

Sitecore Configuration File Changes

Sitecore Experience Platform 8.1

A detailed description of the configuration files changes in Sitecore XP 8.1 rev. 151003 Initial Release



sitecore[®]
Own the experience[™]

Configuring Sitecore 8.1

This document describes the changes that have been made to the configuration files in Sitecore 8.1 Rev. 151003 Initial Release. When you upgrade an existing solution, you must manually implement the configuration file changes described in this document. For more information about upgrading to Sitecore 8.1, see the xDB Upgrade Guide for Sitecore 8.1 that is available on [Sitecore Developer Portal](#).

If you want to configure a specific server role, such as a Content Delivery (CD) server or a Content Management (CM) server, there are a number of changes that you must make to the configuration files.

For more information about configuring server roles, see the xDB configuration documentation that is available on the [Sitecore Documentation site](#).

Sitecore Configuration File Changes

Config file changes in Sitecore 8.1 rev. 151003

There are changes to the configuration file in Sitecore 8.1 rev. 151003 Initial Release compared to Sitecore 8.0 rev. 150812 Update-5. When you upgrade an existing solution, you must manually implement the configuration file changes described in this document. This update requires you to make changes to the following files:

- `Web.config`
- `sitecore_files\Web.config`
- `App_Config\Commands.config`
- `App_Config\Include\.Sitecore.Speak.Important.config`
- `App_Config\Include\Sitecore.Analytics.config`
- `App_Config\Include\Sitecore.Analytics.MarketingTaxonomy.config`
- `App_Config\Include\Sitecore.Analytics.Model.config`
- `App_Config\Include\Sitecore.Analytics.MongoDb.config`
- `App_Config\Include\Sitecore.Analytics.Oracle.config.disabled`
- `App_Config\Include\Sitecore.Analytics.Outcome.config`
- `App_Config\Include\Sitecore.Analytics.Processing.config`
- `App_Config\Include\Sitecore.Analytics.Tracking.config`
- `App_Config\Include\Sitecore.Analytics.Tracking.Database.config`
- `App_Config\Include\Sitecore.Buckets.config` **update**
- `App_Config\Include\Sitecore.ContentSearch.config` **update**
- `App_Config\Include\Sitecore.ContentSearch.DefaultConfigurations.config`
- `App_Config\Include\Sitecore.ExperienceEditor.config`
- `App_Config\Include\Sitecore.ExperienceEditor.Speak.Requests.config`
- `App_Config\Include\Sitecore.ExperienceExplorer.config`
- `App_Config\Include\Sitecore.Marketing.Client.config`
- `App_Config\Include\Sitecore.Marketing.config`
- `App_Config\Include\Sitecore.Marketing.Definitions.MarketingAssets.Repositories.config`
- `App_Config\Include\Sitecore.Media.RequestProtection.config`
- `App_Config\Include\Sitecore.Mvc.config`
- `App_Config\Include\Sitecore.MvcAnalytics.config`
- `App_Config\Include\Sitecore.MvcExperienceEditor.config`
- `App_Config\Include\Sitecore.PathAnalyzer.Client.config`
- `App_Config\Include\Sitecore.PathAnalyzer.config`
- `App_Config\Include\Sitecore.PathAnalyzer.Processing.config`
- `App_Config\Include\Sitecore.PathAnalyzer.Services.config`
- `App_Config\Include\Sitecore.PathAnalyzer.Services.RemoteServer.config.disabled`

Sitecore Experience Platform 8.1

- `App_Config\Include\Sitecore.Speak.Applications.config`
- `App_Config\Include\Sitecore.Speak.config`
- `App_Config\Include\Sitecore.Xdb.Remote.Client.config.disabled`
- `App_Config\Include\Sitecore.Xdb.Remote.Server.config.disabled`
- `App_Config\Include\Sitecore.Xdb.Remote.Server.MarketingAssets.config.disabled`
- `App_Config\Include\SwitchMasterToWeb.config.example`
- `App_Config\Include\ContentTesting\Sitecore.ContentTesting.config`
- `App_Config\Include\ContentTesting\Sitecore.ContentTesting.Intelligence.config`
- `App_Config\Include\ContentTesting\Sitecore.ContentTesting.Mvc.config`
- `App_Config\Include\ContentTesting\Sitecore.ContentTesting.Processing.Aggregation.config`
- `App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.Aggregation.config`
- `App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.Client.config`
- `App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.Reduce.config`
- `App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.StorageProviders.config`
- `App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.WebAPI.config`
- `App_Config\Include\FXM\Sitecore.FXM.config update`
- `App_Config\Include\FXM\Sitecore.FXM.Speak.config update`
- `App_Config\Include\Social\Sitecore.Social.config update`
- `App_Config\Include\Social\Sitecore.Social.ProfileMapping.Facebook.config`
- `App_Config\Include\Social\Sitecore.Social.ScalabilitySettings.config.disabled`
- `App_Config\Include\XdbCloud\Sitecore.Cloud.Xdb.config.disabled`
- `App_Config\Include\ListManagement\Sitecore.ListManagement.Services.config`
- `App_Config\Include\ListManagement\Sitecore.ListManagement.Client.config`
- `App_Config\Include\XdbCloud\Sitecore.ContentSearch.Cloud.Index.Analytics.config.disabled`
- `App_Config\Include\XdbCloud\Sitecore.ContentSearch.Cloud.DefaultIndexConfiguration.config.disabled`
- `App_Config\Include\ExperienceProfile\Sitecore.ExperienceProfile.config`

Sitecore Configuration File Changes

Depending on the search provider, you should also update the following files:

Lucene:

- `App_Config\Include\Sitecore.ContentSearch.Lucene.DefaultIndexConfiguration.config`
- `App_Config\Include\Sitecore.ContentSearch.Lucene.Index.Analytics.config`
- `App_Config\Include\Sitecore.ContentSearch.Lucene.Index.Web.config`
- `App_Config\Include\Sitecore.ContentSearch.Lucene.Index.Master.config`
- `App_Config\Include\ContentTesting\Sitecore.ContentTesting.Lucene.IndexConfiguration.config`

Solr:

- `App_Config\Include\Sitecore.ContentSearch.Solr.DefaultIndexConfiguration.config.example`
- `App_Config\Include\Sitecore.ContentSearch.Solr.Index.Analytics.config.example`
- `App_Config\Include\Sitecore.ContentSearch.Solr.Index.Master.config`
- `App_Config\Include\Sitecore.ContentSearch.Solr.Index.Web.config`
- `App_Config\Include\ContentTesting\Sitecore.ContentTesting.Solr.IndexConfiguration.config.disabled`

Note

Most customers have only applied a small number of changes to these configuration files. If this is the case, to save time and to reduce the risk of making mistakes if you have changed a configuration file, you should simply download the clean configuration file and re-apply any changes that you have made.

You can download the clean configuration files for Sitecore 8.1 rev. 151003 from the [Sitecore XP 8.1 Initial Release](#) page, in the **Upgrade options** section, **Config Files for upgrade** item:

- `Web_81rev151003.config`
- `app_config_files_81rev151003.zip`

Changes to Web.config

To upgrade your `Web.config` config file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Remove the whole `<sitecore>` section and move it to a new separate config file `App_Config\Sitecore.config`.

For more information about the changes in the `<sitecore>` section, see the section *Changes to sitecore_files\Web.config*.

In the `Web.config` file, replace the moved `<sitecore>` section with the following node:

```
<sitecore configSource="App_Config\Sitecore.config" />
```

2. Remove the whole `<log4net>` section and place it in a new configuration file called `App_Config\Sitecore.config` and place it after the `<watchers>` section.

For more information about the changes in the `<log4net>` section, see the section *Changes to sitecore_files\Web.config*.

Sitecore Experience Platform 8.1

In the <handlers> section, after the "Telerik_Web_UI_WebResource_axd" handler, add the following nodes:

```
<add name="LoggerHandler" verb="*" path="*.logger" type="JSNLog.LoggerHandler, Sitecore.Logging.Client" resourceType="Unspecified" precondition="integratedMode" />
<add name="LoggerHandler-Classic" path="*.logger" verb="*" modules="IsapiModule" scriptProcessor="%windir%\Microsoft.NET\Framework64\v4.0.30319\aspnet_isapi.dll" resourceType="Unspecified" precondition="classicMode" />
```

3. Remove the <httpModules> section.
4. Remove the <httpHandlers> section.
5. Locate the <assemblies> section and add "Version=5.2.3.0" to the "System.Web.Mvc", "System.Web.Http", "System.Web.Http.WebHost" and "System.Net.Http.Formatting" assemblies.

After this change, the <assemblies> section should look like this:

```
<assemblies>
  <add assembly="System.Web.Abstractions, Version=4.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  <add assembly="System.Web.Routing, Version=4.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  <add assembly="System.Data.Linq, Version=4.0.0.0, Culture=neutral, PublicKeyToken=B77A5C561934E089" />
  <add assembly="System.Web.Helpers, Version=3.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  <add assembly="System.Web.Mvc, Version=5.2.3.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  <add assembly="System.Web.WebPages, Version=3.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  <add assembly="System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  <add assembly="System.Web.Http, Version=5.2.3.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  <add assembly="System.Web.Http.WebHost, Version=5.2.3.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  <add assembly="System.Net.Http.Formatting, Version=5.2.3.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
</assemblies>
```

6. Replace sessionIdManagerType in <sessionState> section with "Sitecore.SessionManagement.ConditionalSessionIdManager".

After this change, the <sessionState> section should look like this:

```
<!-- SESSION STATE SETTINGS
By default ASP .NET uses cookies to identify which requests belong to a particular session.
If cookies are not available, a session can be tracked by adding a session identifier to the URL.
To disable cookies, in the sessionState element, set the cookieless attribute to "true".

Sitecore does not support cookieless sessions.
<sessionState mode="InProc" cookieless="false" timeout="20"/>
<sessionState mode="StateServer"
stateConnectionString="tcpip=127.0.0.1:42424" sqlConnectionString="data source=127.0.0.1;user id=sa;password=" cookieless="false" timeout="20"/>

To enable an out-of-process sessionState:
1) Set the value of the mode attribute to "custom".
2) Add the customProvider attribute and set the value to one of the providers, e.g. "mongo".
3) Ensure that you have configured a connection string for the out-of-process session provider, e.g. "session".

Example:
<sessionState mode="Custom" customProvider="mongo" cookieless="false" timeout="20" sessionIdManagerType="Sitecore.SessionManagement.ConditionalSessionIdManager">
  <providers>
    <add name="mongo"
type="Sitecore.SessionProvider.MongoDB.MongoSessionStateProvider,
```

Sitecore Configuration File Changes

```
Sitecore.SessionProvider.MongoDB" sessionType="Standard" connectionStringName="session"
pollingInterval="2" compression="true" />
    <add name="mssql"
type="Sitecore.SessionProvider.Sql.SqlSessionStateProvider, Sitecore.SessionProvider.Sql"
sessionType="Standard" connectionStringName="session" pollingInterval="2" compression="true"
/>
    </providers>
</sessionState>
-->
<sessionState mode="InProc" cookieless="false" timeout="20"
sessionIDManagerType="Sitecore.SessionManagement.ConditionalSessionIdManager">
    <providers>
    <add name="mongo"
type="Sitecore.SessionProvider.MongoDB.MongoSessionStateProvider,
Sitecore.SessionProvider.MongoDB" sessionType="Standard" connectionStringName="session"
pollingInterval="2" compression="true" />
    <add name="mssql" type="Sitecore.SessionProvider.Sql.SqlSessionStateProvider,
Sitecore.SessionProvider.Sql" sessionType="Standard" connectionStringName="session"
pollingInterval="2" compression="true" />
    </providers>
</sessionState>
```

Locate the `<runtime>` section and update the new and old versions of the "System.Web.Mvc", "System.Web.Http", "System.Web.Http.WebHost" and "System.Net.Http.Formatting" assemblies to:

```
oldVersion="1.0.0.0-5.2.3.0" newVersion="5.2.3.0"
```

After this change, the whole `<runtime>` section should look like this:

```
<runtime>
  <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
    <dependentAssembly>
      <assemblyIdentity name="Lucene.Net" publicKeyToken="85089178b9ac3181" />
      <bindingRedirect oldVersion="0.0.0.0-2.9.4.0" newVersion="3.0.3.0" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="Newtonsoft.Json" publicKeyToken="30ad4fe6b2a6aed" />
      <bindingRedirect oldVersion="0.0.0.0-6.0.0.0" newVersion="6.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="System.Web.Mvc" publicKeyToken="31bf3856ad364e35"
xmlns="urn:schemas-microsoft-com:asm.v1" />
      <bindingRedirect oldVersion="1.0.0.0-5.2.3.0" newVersion="5.2.3.0"
xmlns="urn:schemas-microsoft-com:asm.v1" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="System.Web.WebPages.Razor"
publicKeyToken="31bf3856ad364e35" xmlns="urn:schemas-microsoft-com:asm.v1" />
      <bindingRedirect oldVersion="1.0.0.0-3.0.0.0" newVersion="3.0.0.0"
xmlns="urn:schemas-microsoft-com:asm.v1" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="System.Web.Http" publicKeyToken="31bf3856ad364e35"
xmlns="urn:schemas-microsoft-com:asm.v1" />
      <bindingRedirect oldVersion="1.0.0.0-5.2.3.0" newVersion="5.2.3.0"
xmlns="urn:schemas-microsoft-com:asm.v1" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="System.Web.Http.WebHost"
publicKeyToken="31bf3856ad364e35" xmlns="urn:schemas-microsoft-com:asm.v1" />
      <bindingRedirect oldVersion="1.0.0.0-5.2.3.0" newVersion="5.2.3.0"
xmlns="urn:schemas-microsoft-com:asm.v1" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="System.Net.Http.Formatting"
publicKeyToken="31bf3856ad364e35" xmlns="urn:schemas-microsoft-com:asm.v1" />
      <bindingRedirect oldVersion="1.0.0.0-5.2.3.0" newVersion="5.2.3.0"
xmlns="urn:schemas-microsoft-com:asm.v1" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="Ninject" publicKeyToken="c7192dc5380945e7"
xmlns="urn:schemas-microsoft-com:asm.v1" />
      <codeBase version="3.2.0.0" href="bin\Social\Ninject.dll" xmlns="urn:schemas-
microsoft-com:asm.v1" />
    </dependentAssembly>
```

```
</assemblyBinding>  
</runtime>
```

Changes to sitecore_files\Web.config

To upgrade your sitecore_files\Web.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. Remove the <system.web> section.

Changes to App_Config\Sitecore.config

To upgrade your App_Config\Sitecore.config configuration file to the Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Optional step:

At the beginning of the <customHandlers> section, add the following handler:

```
<handler trigger="-/media/" handler="sitecore_media.ashx" />
```

2. In the <pipelines> section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation the new node is placed after the <shutdown> node.

```
<initializeManagers>  
  <processor type="Sitecore.Pipelines.InitializeManagers.InitializeEvent,  
Sitecore.Kernel" />  
  <processor type="Sitecore.Pipelines.InitializeManagers.InitializeItemManager,  
Sitecore.Kernel" />  
  <processor type="Sitecore.Pipelines.InitializeManagers.InitializeProxyManager,  
Sitecore.Kernel" />  
  <processor type="Sitecore.Pipelines.InitializeManagers.InitializeHistoryManager,  
Sitecore.Kernel" />  
  <processor  
type="Sitecore.Pipelines.InitializeManagers.InitializeIndexingManager, Sitecore.Kernel" />  
  <processor  
type="Sitecore.Pipelines.InitializeManagers.InitializeLanguageManager, Sitecore.Kernel" />  
  <processor type="Sitecore.Pipelines.InitializeManagers.InitializePublishManager,  
Sitecore.Kernel" />  
  <processor type="Sitecore.Pipelines.InitializeManagers.InitializeSearchManager,  
Sitecore.Kernel" />  
  <processor  
type="Sitecore.Pipelines.InitializeManagers.InitializeSerializationManager, Sitecore.Kernel"  
/>  
  <processor  
type="Sitecore.Pipelines.InitializeManagers.InitializeNotificationManager, Sitecore.Kernel" />  
  <processor type="Sitecore.Pipelines.InitializeManagers.InitializeEventManager,  
Sitecore.Kernel" />  
</initializeManagers>  
<getSessionIdManager>  
</getSessionIdManager>
```

3. In the <pipelines> section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <getContentEditorWarnings> node.

```
<!-- Allows to manipulate the way how an item field value is retrieved.  
Note: Extending the pipeline by unoptimized code might introduce huge  
performance penalty. -->  
<getFieldValue performanceCritical="true">  
  <processor type="Sitecore.Pipelines.GetFieldValue.GetInheritedValue,  
Sitecore.Kernel" />  
  <processor type="Sitecore.Pipelines.GetFieldValue.GetStandardValue,  
Sitecore.Kernel" />  
  <processor type="Sitecore.Pipelines.GetFieldValue.GetDefaultValue,  
Sitecore.Kernel" />  
</getFieldValue>  
<getFieldLabel>
```


Sitecore Configuration File Changes

```
<processor type="Sitecore.Pipelines.GetFieldLabel.ResolveFieldLabel,
Sitecore.Kernel" />
</getFieldLabel>
```

4. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<getRenderedRuleElements>` node.

```
<!-- Controls which fields should be used as the source for the layout field
value.
Processors must accept a single argument of type GetLayoutSourceFieldsArgs
(namespace: Sitecore.Pipelines.GetLayoutSourceFields). -->
<getLayoutSourceFields>
<processor type="Sitecore.Pipelines.GetLayoutSourceFields.GetFinalLayoutField,
Sitecore.Kernel" />
<processor type="Sitecore.Pipelines.GetLayoutSourceFields.GetLayoutField,
Sitecore.Kernel" />
</getLayoutSourceFields>
```

5. In the `<pipelines><getItemPersonalizationVisibility>` section, remove the following processor:

```
<processor
type="Sitecore.Pipelines.GetItemPersonalizationVisibility.CheckAnalyticsConfiguration,
Sitecore.Kernel" />
```

6. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<proposeCopyDevice>` node):

```
<!-- Render the "afterAction" placeholder for the rules editor -->
<renderRulePlaceholder.afterAction>
</renderRulePlaceholder.afterAction>
<!-- Render a rendering in the device editor -->
<renderDeviceEditorRendering>
</renderDeviceEditorRendering>
<!-- Render a rendering on the layout grid -->
<renderLayoutGridRendering>
</renderLayoutGridRendering>
```

7. In the `<pipelines><group><pipelines>` section, in the end of the `<getItem>` node, add the following node:

```
<!-- Returns null if item does not have any version in requested language. -
->
<processor
type="Sitecore.Pipelines.ItemProvider.GetItem.EnforceVersionPresence, Sitecore.Kernel" />
```

8. In the `<files hint="raw:AddCommand">` section, remove the following node:

```
<remove folder="$(tempFolder)/screenshots" pattern="*.*" maxAge="00:15:00"
recursive="true" />
```

9. Optional step:

At the end of the `<encodeNameReplacements>` section, add the following node:

```
<replace mode="on" find=" " replaceWith="-" />
```

10. Replace the `<sites>` section with the following:

```
<sites>
<site name="shell" virtualFolder="/sitecore/shell"
physicalFolder="/sitecore/shell" rootPath="/sitecore/content" startItem="/home" language="en"
database="core" domain="sitecore" loginPage="/sitecore/login" content="master"
contentStartItem="/Home" enableWorkflow="true" enableTracking="false"
analyticsDefinitions="content" xmlControlPage="/sitecore/shell/default.aspx"
browserTitle="Sitecore" htmlCacheSize="10MB" registryCacheSize="15MB" viewStateCacheSize="1MB"
xslCacheSize="25MB" disableBrowserCaching="true" />
<site name="login" virtualFolder="/sitecore/login"
physicalFolder="/sitecore/login" enableTracking="false" database="core" domain="sitecore"
disableXmlControls="true" />
<site name="admin" virtualFolder="/sitecore/admin"
physicalFolder="/sitecore/admin" enableTracking="false" enableWorkflow="true"
domain="sitecore" loginPage="/sitecore/admin/login.aspx" />
```

```
<site name="service" enableTracking="true" virtualFolder="/sitecore/service"
physicalFolder="/sitecore/service" />
<site name="modules shell" virtualFolder="/sitecore modules/shell"
physicalFolder="/sitecore modules/shell" rootPath="/sitecore/content" startItem="/home"
language="en" database="core" domain="sitecore" content="master" enableTracking="false"
enableWorkflow="true" />
<site name="modules_website" virtualFolder="/sitecore modules/web"
physicalFolder="/sitecore modules/web" rootPath="/sitecore/content" startItem="/home"
language="en" database="web" domain="extranet" allowDebug="true" cacheHtml="true" />
<site name="website" enableTracking="true" virtualFolder="/" physicalFolder="/"
rootPath="/sitecore/content" startItem="/home" database="web" domain="extranet"
allowDebug="true" cacheHtml="true" htmlCacheSize="50MB" registryCacheSize="0"
viewStateCacheSize="0" xslCacheSize="25MB" filteredItemsCacheSize="10MB" enablePreview="true"
enableWebEdit="true" enableDebugger="true" disableClientData="false"
cacheRenderingParameters="true" renderingParametersCacheSize="10MB" />
<site name="scheduler" enableTracking="false" domain="sitecore" />
<site name="system" enableTracking="false" domain="sitecore" />
<site name="publisher" domain="sitecore" enableTracking="false"
enableWorkflow="true" />
</sites>
```

11. Optional step:

In the `<mediaLibrary><mediaPrefixes>` section, uncomment the following node:

```
<!-- Example
<prefix value="-/media"/>
-->
```

12. In the `<log4net>` section, remove the following nodes:

```
<appender name="SearchLogFileAppender"
type="log4net.Appender.SitecoreLogFileAppender, Sitecore.Logging">
<file value="$(dataFolder)/logs/Search.log.{date}.txt" />
<appendToFile value="true" />
<layout type="log4net.Layout.PatternLayout">
<conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n" />
</layout>
<encoding value="utf-8" />
</appender>
<appender name="CrawlingLogFileAppender"
type="log4net.Appender.SitecoreLogFileAppender, Sitecore.Logging">
<file value="$(dataFolder)/logs/Crawling.log.{date}.txt" />
<appendToFile value="true" />
<layout type="log4net.Layout.PatternLayout">
<conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n" />
</layout>
<encoding value="utf-8" />
</appender>
```

```
<logger name="Sitecore.Diagnostics.Search" additivity="false">
<level value="INFO" />
<appender-ref ref="SearchLogFileAppender" />
</logger>
<logger name="Sitecore.Diagnostics.Crawling" additivity="false">
<level value="INFO" />
<appender-ref ref="CrawlingLogFileAppender" />
</logger>
```

```
<logger name="Sitecore.FXM.Diagnostics" additivity="false">
<level value="INFO" />
<appender-ref ref="FxmLogFileAppender" />
</logger>
<appender name="FxmLogFileAppender"
type="log4net.Appender.SitecoreLogFileAppender, Sitecore.Logging">
<file value="$(dataFolder)/logs/Fxm.log.{date}.txt" />
<appendToFile value="true" />
<layout type="log4net.Layout.PatternLayout">
<conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n" />
</layout>
<encoding value="utf-8" />
</appender>
```

Sitecore Configuration File Changes

13. In the <settings> section, replace the "IgnoreUrlPrefixes" setting with the following:

```
<!-- IGNORE URLS
      Set IgnoreUrlPrefixes to a '|' separated list of url prefixes that should
not be
      regarded and processed as friendly urls (ie. forms etc.)
-->
<setting name="IgnoreUrlPrefixes"
value="/sitecore/default.aspx|/trace.axd|/webresource.axd|/sitecore/shell/Controls/Rich Text
Editor/Telerik.Web.UI.DialogHandler.aspx|/sitecore/shell/applications/content
manager/telerik.web.ui.dialoghandler.aspx|/sitecore/shell/Controls/Rich Text
Editor/Telerik.Web.UI.SpellCheckHandler.axd|/Telerik.Web.UI.WebResource.axd|/sitecore/admin/up
grade//layouts/testing|/sitecore/service/xdm/disabled.aspx" />
```

14. Remove the following setting in the <settings> section:

```
<!-- LOGIN DISABLE CHANGE PASSWORD
      If true, Sitecore hides the "Change Password" link on the login page and
disables the
      /sitecore/login/changepassword.aspx page.
      Default: false
-->
<setting name="Login.DisableChangePassword" value="false" />
```

15. In the <settings> section, add the following setting:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "PortalStorage" setting.

```
<!-- PREVIEW - RESOLVE SITE
      If false, the Preview.DefaultSite setting specifies the context site to
use when a user previews an item.
      If true, when a user previews an item, Sitecore tries to resolve the root
item and the context site based on the current content language
and the path to the item. If Sitecore cannot resolve the context site, it
uses the site that is specified in the Preview.DefaultSite setting.
      Default value: false (use the value of the Preview.DefaultSite setting)
-->
<setting name="Preview.ResolveSite" value="false" />
```

16. In the <settings> section, add the following setting:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "WordField.InlineEditing.Padding" setting.

```
<!-- WORKBOX - STATE COMMAND FILTERING - ITEM THRESHOLD
      The maximum number of items allowed in a workflow state to perform command
filtering for the state
      when rendered in the workbox. Command filtering per state may have a
negative impact on performance
      for the workbox for large volumes of items in a single workflow state.
      Default value: 2000
-->
<setting name="Workbox.StateCommandFiltering.ItemThreshold" value="2000" />
```

17. In the <mediaPrefixes> section, change the value from:

```
<prefix value="-/media" />
```

to:

```
<prefix value="~/media" />
```

Changes to App_Config\Commands.config

To upgrade your App_Config\Commands.config configuration file to the Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. Remove the "system:webedit" command.

Changes to App_Config\Include\Sitecore.Speak.Important.config

To upgrade your App_Config\Include\Sitecore.Speak.Important.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. Rename the file to "001.Sitecore.Speak.Important.config".

Changes to App_Config\001.Sitecore.Speak.Important.config

To upgrade your App_Config\Include\001.Sitecore.Speak.Important.config configuration file to the Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. At the beginning of the <pipelines> section, add the following nodes:

```
<speack.client.addBinding>
  <processor type="Sitecore.Web.Pipelines.AddBindings.AddConverterBinding,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.AddBindings.AddSimpleBinding,
Sitecore.Speak.Client" />
</speack.client.addBinding>

<speack.client.getClick>
  <processor type="Sitecore.Web.Pipelines.GetClick.HandleClick,
Sitecore.Speak.Client" />
</speack.client.getClick>

<speack.client.getControlId>
  <processor type="Sitecore.Web.Pipelines.GetControlId.HandleEmptyControlId,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetControlId.HandleInvalidId,
Sitecore.Speak.Client" />
</speack.client.getControlId>

<speack.client.getOverlays>
  <processor type="Sitecore.Web.Pipelines.GetOverlays.GetWebConfigOverlays,
Sitecore.Speak.Client">
    <!--
      Example of how to add <overlay> definitions:
    </--
    <overlays hint="raw:AddOverlay">
      <overlay url="/sitecore/shell/client/Speak/Assets/Overlay.js" />
    </overlays>
    -->
  </processor>
</speack.client.getOverlays>

<speack.client.getPageScripts>
  <processor type="Sitecore.Web.Pipelines.GetPageScripts.GetFileNames,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageScripts.Minify,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageScripts.BuildScripts,
Sitecore.Speak.Client" />
</speack.client.getPageScripts>

<speack.client.getPageStylesheets>
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.GetVersionStyles,
Sitecore.Speak.Client">
    <stylesheets hint="raw:AddStylesheet">
      <stylesheet version="1"
path="/sitecore/shell/client/Speak/Assets/css/speak-default-theme.css" />
    </stylesheets>
  </processor>
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.GetLayoutStyles,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.GetFileNames,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.GetTheme,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.GetSubthemes,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.Minify,
Sitecore.Speak.Client" />
```

Sitecore Configuration File Changes

```
        <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.BuildStylesheets,
Sitecore.Speak.Client" />
    </speak.client.getPageStylesheets>

    <speak.client.getStyle>
        <processor type="Sitecore.Web.Pipelines.GetStyle.Margin,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.GetStyle.Padding,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.GetStyle.Border,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.GetStyle.IsVisible,
Sitecore.Speak.Client" />
    </speak.client.getStyle>

    <speak.client.initialize.layout>
        <processor type="Sitecore.Web.Pipelines.InitializeSpeakLayout.CheckUserAccess,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.InitializeSpeakLayout.SetDisplayMode,
Sitecore.Speak.Client" />
        <processor
type="Sitecore.Web.Pipelines.InitializeSpeakLayout.SetAntiForgeryToken, Sitecore.Speak.Client"
/>
        <processor
type="Sitecore.Web.Pipelines.InitializeSpeakLayout.DisableAnalytics, Sitecore.Speak.Client" />
    </speak.client.initialize.layout>

    <speak.client.parseRenderingParameter>
        <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseDataBinding,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseContextItemValue,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseFormValue,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseQueryStringValue,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseSessionValue,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseAppModelValue,
Sitecore.Speak.Client" />
        <processor type="Sitecore.Web.Pipelines.SetAttribute.ParsePageModelValue,
Sitecore.Speak.Client" />
    </speak.client.parseRenderingParameter>

    <speak.client.resolveRequire>
        <processor type="Sitecore.Web.Pipelines.ResolveRequire.CustomHandler,
Sitecore.Speak.Client" />
    </speak.client.resolveRequire>
```

2. At the end of the <pipelines> section, add the following node:

```
    <speak.logout argsType="Sitecore.Pipelines.Logout.LogoutArgs">
        <processor mode="on" type="Sitecore.Pipelines.Logout.ClearCache,
Sitecore.Kernel"/>
        <processor mode="on" type="Sitecore.Pipelines.Logout.ClearSession,
Sitecore.Kernel"/>
        <processor mode="on" type="Sitecore.Pipelines.Logout.RemoveTicket,
Sitecore.Kernel"/>
    </speak.logout>
```

Changes to App_Config\Include\Sitecore.Analytics.config

To upgrade your App_Config\Include\Sitecore.Analytics.config configuration file to the Sitecore 8.1 rev. 151003 (Initial Release), you must make the following changes:

1. Add the following setting:

You can place it at anywhere in the <settings> section, but in a clean Sitecore installation, the new setting is placed after the "Analytics.Automation.EngagementPlanCacheExpiration" setting.

```
<!-- ANALYTICS CONTACT MAXIMUM INTERACTIONS
Maximum number of interactions in contact history that can be loaded
by personalization components on website pages.
```

```
Default: 25
-->
<setting name="Analytics.ContactHistory.MaxInteractions" value="25" />
```

2. Remove the following settings:

```
<!-- ANALYTICS ENABLED
Determines whether analytics is enabled or not.
Default: true
-->
<setting name="Analytics.Enabled" value="true" />

<!-- ANALYTICS FAIL ON DATABASE ERRORS
Note: This is a diagnostics setting that should not be enabled on a live
system.

If set to true, web pages crash and show exception details in case
an operation cannot access the database.
If set to false, exceptions are suppressed and logged, and visit data
is queued until the database is back up. See <submitQueue> section.
Default: false
-->
<setting name="Analytics.FailOnDatabaseErrors" value="false" />
```

3. Add the following setting:

You can place it at anywhere in the <settings> section, but in a clean Sitecore installation, the new setting is placed after the "Analytics.MaxAcceptedClockDeviation" setting.

```
<!-- ANALYTICS PATTERNS MINIMAL PROFILE SCORE COUNT
Specifies the minimum number of content items with profile values that
must be requested before Sitecore
maps the contact's accumulated score to a pattern card.
Default: 3
-->
<setting name="Analytics.Patterns.MinimalProfileScoreCount" value="3" />
```

4. Add the following setting:

You can place it at anywhere in the <settings> section, but in a clean Sitecore installation, the new setting is placed after the "Analytics.PerformLookup" setting.

```
<!-- ANALYTICS - REDACT IP ADDRESS
Determines if the IP addresses that initiated the interaction are redacted
when writing to the database.
Note: IP addresses are hashed by default. Setting this value to true
removes your ability to determine the actual IP address that initiated the interaction.
When the setting is enabled, the database stores an empty IP address
(0.0.0.0) instead of the actual IP address.
Default value: false
-->
<setting name="Analytics.RedactIpAddress" value="false" />
```

5. Add the following settings:

You can place them at anywhere in the <settings> section, but in a clean Sitecore installation, the new settings are placed after the "MaxMind.Url" setting.

```
<!-- WEBEDIT PAGE DAILY VISITS CACHE EXPIRATION
Sets the absolute expiration on the cached daily visits data in Page
Editor.

Makes sense only when analytics is enabled.
Default value: 1.00:00:00 (1 day)
-->
<setting name="WebEdit.PageDailyVisitsCacheExpiration" value="1.00:00:00" />

<!-- WEBEDIT TEST STATISTICS CACHE EXPIRATION
Sets the absolute expiration on the cached test statistics data in Page
Editor.

Makes sense only when analytics is enabled.
Default value: 01:00:00 (1 hour)
-->
<setting name="WebEdit.TestStatisticsCacheExpiration" value="01:00:00" />
```

Sitecore Configuration File Changes

6. Replace the `<interactionRegistry>` section with the following:

```
<interactionRegistry
type="Sitecore.Analytics.Tracking.External.InteractionRegistry, Sitecore.Analytics"
singleInstance="true">
  <EnableProfiling>True</EnableProfiling>
</interactionRegistry>
```

7. In the `<commands>` section, add the following command:

You can place it at anywhere in the `<commands>` section, but in a clean Sitecore installation, the new command is placed in the end of the section.

```
<command name="marketingtaxonomy:deploy"
type="Sitecore.Shell.Applications.Analytics.Reporting.Taxonomies.Deploy, Sitecore.Client" />
```

8. After the `<contactRepository>` section, add the following node:

```
<behaviorProfileConverter type="Sitecore.Analytics.Data.BehaviorProfileConverter,
Sitecore.Analytics" singleInstance="false" />
```

9. After the `<lookupManager>` section, add the following node:

```
<geoIpManager defaultProvider="default">
  <providers>
    <clear/>

    <!-- SALT
           Salt attribute - a string that is added to the IP address when it is
hashed.
           For security reasons, we recommended that the salt contains at least 6
characters.
    -->
    <add name="default" salt="f54RYb4RT4y1Un"
type="Sitecore.Analytics.Lookups.IpHashProvider, Sitecore.Analytics"/>
  </providers>
</geoIpManager>
```

10. Remove the following node:

```
<multiVariateTesting>
  <multiPageTesting
type="Sitecore.Analytics.Testing.TestingUtils.MultiPageTesting, Sitecore.Analytics" />
  <multiComponentTesting
type="Sitecore.Analytics.Testing.TestingUtils.MultiComponentTesting, Sitecore.Analytics" />
</multiVariateTesting>
```

11. At the beginning of the `<pipelines><deployDefinition>` section, add the following processor:

```
<processor
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Deployment.Processors.Deploy,
Sitecore.Analytics" />
```

12. Remove the following node:

```
<getChromeData>
  <processor
type="Sitecore.Analytics.Pipelines.GetChromeData.GetRenderingTestVariations,
Sitecore.Analytics"
patch:after="processor[@type='Sitecore.Pipelines.GetChromeData.GetRenderingChromeData,
Sitecore.Kernel']" />
</getChromeData>
```

13. In the `<pipelines>` section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation the new node is placed after the `<getContentEditorWarnings>` node.

```
<getDictionaryDataStorage>
  <processor
type="Sitecore.Analytics.Data.Dictionaries.DictionaryData.Xdb.GetDictionaryDataProcessor,
Sitecore.Analytics" />
</getDictionaryDataStorage>

<getRenderingRules>
```

```
        <processor type="Sitecore.Analytics.Pipelines.GetRenderingRules.FromRendering,
Sitecore.Analytics"/>
        <processor
type="Sitecore.Analytics.Pipelines.GetRenderingRules.FilterForEditing, Sitecore.Analytics"/>
    </getRenderingRules>
```

14. In the `<pipelines><initializeExternalSession>` section, add the following processor:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `"Sitecore.Analytics.Pipelines.InitializeExternalSession.EnsureContact"` processor.

```
        <processor
type="Sitecore.Analytics.Pipelines.InitializeExternalSession.LoadKeyBehaviorCache,
Sitecore.Analytics" />
```

15. In the `<pipelines><insertRenderings>` node, remove the following processors:

```
        <processor
type="Sitecore.Analytics.Pipelines.InsertRenderings.Testing,Sitecore.Analytics"
patch:before="processor[@type='Sitecore.Pipelines.InsertRenderings.Processors.EvaluateConditio
ns, Sitecore.Kernel']"/>
        <processor
type="Sitecore.Analytics.Pipelines.InsertRenderings.PageEditorTesting,Sitecore.Analytics"
patch:before="processor[@type='Sitecore.Pipelines.InsertRenderings.Processors.EvaluateConditio
ns, Sitecore.Kernel']"/>
```

16. In the `<pipelines>` section, add the following nodes:

You can place them anywhere in the section, but in a clean Sitecore installation the new nodes are placed after the `<insertRenderings>` node.

```
        <initializeInteractionProfile>
            <processor
type="Sitecore.Analytics.Pipelines.InitializeInteractionProfile.ResetProfiles,
Sitecore.Analytics" />
            <processor
type="Sitecore.Analytics.Pipelines.InitializeInteractionProfile.CopyProfiles,
Sitecore.Analytics" />
            <processor
type="Sitecore.Analytics.Pipelines.InitializeInteractionProfile.ApplyDecay,
Sitecore.Analytics" />
        </initializeInteractionProfile>

        <updateContactBehaviorProfile>
            <processor
type="Sitecore.Analytics.Pipelines.UpdateContactBehaviorProfile.CopyProfiles,
Sitecore.Analytics" />
        </updateContactBehaviorProfile>
```

17. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<parseReferrer>` node):

```
        <postContactObsoletion>
            <processor
type="Sitecore.Analytics.Automation.Pipelines.PostContactObsoletion.RemoveAutomationStates,
Sitecore.Analytics.Automation"/>
        </postContactObsoletion>
```

18. In the `<pipelines><mergeContacts>` section, add the following processor:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `"Sitecore.Analytics.Pipelines.MergeContacts.MergeContactAttributes"` processor.

```
        <processor
type="Sitecore.Analytics.Pipelines.MergeContacts.MergeContactBehaviorProfile,
Sitecore.Analytics"/>
```


Sitecore Configuration File Changes

19. At the end of the `<pipelines><mergeContacts>` node, add the following processor:

```
<processor
type="Sitecore.Analytics.Pipelines.MergeContacts.MergeKeyBehaviorCaches, Sitecore.Analytics"/>
```

20. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<mergeContacts>` node.

```
<rebuildKeyBehaviorCache>
  <processor
type="Sitecore.Analytics.Pipelines.RebuildKeyBehaviorCache.CheckPreconditions,
Sitecore.Analytics" />
  <processor
type="Sitecore.Analytics.Pipelines.RebuildKeyBehaviorCache.ReadInteractionsFromHistory,
Sitecore.Analytics" />
  <processor
type="Sitecore.Analytics.Pipelines.RebuildKeyBehaviorCache.UpdateKeyBehaviorCacheForAllRelated
Interactions, Sitecore.Analytics" />
</rebuildKeyBehaviorCache>
```

21. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<recordTouchPoint>` node.

```
<renderingRuleEvaluated>
</renderingRuleEvaluated>
```

22. In the `<pipelines>` section, remove the following node:

```
<renderLayout>
  <!-- This processor should insert just after
Sitecore.Analytics.Pipelines.HttpRequest.StartAnalytics defined in Analytics.Tracking.config -
-->
  <processor
type="Sitecore.Analytics.Pipelines.RenderLayout.PageLevelTestItemResolver, Sitecore.Analytics"
patch:before="processor[@type='Sitecore.Pipelines.RenderLayout.InsertRenderings,
Sitecore.Kernel']" />
</renderLayout>
```

23. In the `<pipelines>` section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<updateContactClassifications>` node.

```
<updateKeyBehaviorCache>
  <processor
type="Sitecore.Analytics.Pipelines.UpdateKeyBehaviorCache.CheckPreconditions,
Sitecore.Analytics" />
  <processor
type="Sitecore.Analytics.Pipelines.UpdateKeyBehaviorCache.UpdateCampaignsModelData,
Sitecore.Analytics" />
  <processor
type="Sitecore.Analytics.Pipelines.UpdateKeyBehaviorCache.UpdateGoalsModelData,
Sitecore.Analytics" />
  <processor
type="Sitecore.Analytics.Pipelines.UpdateKeyBehaviorCache.UpdatePageEventsModelData,
Sitecore.Analytics" />
  <processor
type="Sitecore.Analytics.Pipelines.UpdateKeyBehaviorCache.UpdateChannelsModelData,
Sitecore.Analytics" />
  <processor
type="Sitecore.Analytics.Pipelines.UpdateKeyBehaviorCache.UpdateVenuesModelData,
Sitecore.Analytics" />
</updateKeyBehaviorCache>
```

24. In the `<pipelines>` section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<reconcileRdbClassifications>` node.

```
<group name="marketingDefinitions" groupName="marketingDefinitions">
  <pipelines>
    <deleteCampaign>
```

```

        <processor
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Pipelines.DeleteDefinition.RemoveFromRepository`1[[Sitecore.Marketing.Definitions.Campaigns.Data.CampaignActivityDefinitionRecord, Sitecore.Marketing]], Sitecore.Analytics">
        <param desc="repository"
ref="marketingDefinitions/campaign/repositories/${marketingDefinitions.deploymentManager.targetRepository}" />
        </processor>
    </deleteCampaign>
    <deleteGoal>
        <processor
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Pipelines.DeleteDefinition.RemoveFromRepository`1[[Sitecore.Marketing.Definitions.Goals.Data.GoalDefinitionRecord, Sitecore.Marketing]], Sitecore.Analytics">
        <param desc="repository"
ref="marketingDefinitions/goal/repositories/${marketingDefinitions.deploymentManager.targetRepository}" />
        </processor>
    </deleteGoal>
    <deleteOutcome>
        <processor
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Pipelines.DeleteDefinition.RemoveFromRepository`1[[Sitecore.Marketing.Definitions.Outcomes.Data.OutcomeDefinitionRecord, Sitecore.Marketing]], Sitecore.Analytics">
        <param desc="repository"
ref="marketingDefinitions/outcome/repositories/${marketingDefinitions.deploymentManager.targetRepository}" />
        </processor>
    </deleteOutcome>
</pipelines>
</group>

```

25. Between the <scheduling> and <tracking> sections, add the following nodes:

```

    <marketingDefinitions>
        <sc.variable name="marketingDefinitions.deploymentManager.targetRepository"
value="rdb" />
        <deploymentManagerTargetRepository>rdb</deploymentManagerTargetRepository>
        <deploymentManager
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Deployment.DeploymentManager, Sitecore.Analytics" singleInstance="true">
            <!--
            specifies which of the repositories for the definition is used to deploy from
            this server i.e. rdb, remote.
            When using remote repositories, configure
            marketingDefinitions/httpTransportFactory -->
            <param desc="targetRepository"
ref="marketingDefinitions/deploymentManagerTargetRepository" />
            </deploymentManager>
        </campaign
definitionInterface="Sitecore.Marketing.Definitions.Campaigns.ICampaignActivityDefinition, Sitecore.Marketing">
            <repositories>
                <rdb
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCampaignDefinitionRepository, Sitecore.Analytics" singleInstance="true">
                    <param desc="connectionStringName">reporting</param>
                    <param desc="cache"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCache.DefinitionCache`1[[Sitecore.Marketing.Definitions.Campaigns.Data.CampaignActivityDefinitionRecord, Sitecore.Marketing]], Sitecore.Analytics">
                        <param desc="name">marketing.rdb.campaign</param>
                        <param desc="maxSize">20MB</param>
                    </param>
                    <param desc="availableCulturesCache"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCache.Cache`2[[Sitecore.Data.ID, Sitecore.Kernel], [System.Collections.Generic.IReadOnlyList`1[[System.Globalization.CultureInfo]]], Sitecore.Analytics">
                        <param desc="name">marketing.rdb.campaign.cultures</param>
                        <param desc="maxSize">20MB</param>
                    </param>
                </rdb>
            </repositories>
        </campaign>
        <goal definitionInterface="Sitecore.Marketing.Definitions.Goals.IGoalDefinition, Sitecore.Marketing">

```

Sitecore Configuration File Changes

```
        <repositories>
          <rdb
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.GoalDefinitionRdbRepository,
Sitecore.Analytics" singleInstance="true">
            <param desc="connectionStringName">reporting</param>
            <param desc="cache"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCache.DefinitionCache`1[[Sitecore
re.Marketing.Definitions.Goals.Data.GoalDefinitionRecord, Sitecore.Marketing]],
Sitecore.Analytics">
                <param desc="name">marketing.rdb.goal</param>
                <param desc="maxSize">20MB</param>
            </param>
            <param desc="availableCulturesCache"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCache.Cache`2[[Sitecore.Data.ID
,
Sitecore.Kernel],[System.Collections.Generic.IReadOnlyList`1[[System.Globalization.CultureInfo
]]], Sitecore.Analytics">
                <param desc="name">marketing.rdb.goal.cultures</param>
                <param desc="maxSize">20MB</param>
            </param>
          </rdb>
        </repositories>
      </goal>
    <outcome
definitionInterface="Sitecore.Marketing.Definitions.Outcomes.Model.IOutcomeDefinition,
Sitecore.Marketing">
      <repositories>
        <rdb
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbOutcomeDefinitionRepository,
Sitecore.Analytics" singleInstance="true">
          <param desc="connectionStringName">reporting</param>
          <param desc="cache"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCache.DefinitionCache`1[[Sitecore
re.Marketing.Definitions.Outcomes.Data.OutcomeDefinitionRecord, Sitecore.Marketing]],
Sitecore.Analytics">
            <param desc="name">marketing.rdb.outcome</param>
            <param desc="maxSize">20MB</param>
          </param>
          <param desc="typeCache"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCache.Cache`2[[Sitecore.Data.ID
, Sitecore.Kernel],[Sitecore.Marketing.Definitions.Outcomes.Model.IOutcomeDefinitionType,
Sitecore.Marketing]], Sitecore.Analytics">
            <param desc="name">marketing.rdb.outcome.type</param>
            <param desc="maxSize">20MB</param>
          </param>
          <param desc="availableCulturesCache"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCache.Cache`2[[Sitecore.Data.ID
,
Sitecore.Kernel],[System.Collections.Generic.IReadOnlyList`1[[System.Globalization.CultureInfo
]]], Sitecore.Analytics">
            <param desc="name">marketing.rdb.outcome.cultures</param>
            <param desc="maxSize">20MB</param>
          </param>
        </rdb>
      </repositories>
    </outcome>
  </marketingDefinitions>
</taxonomy>
<repositories>
  <rdbTaxonomyRepository
type="Sitecore.Analytics.Reporting.DefinitionData.Taxonomy.RdbTaxonomyRepository,
Sitecore.Analytics" singleInstance="true">
    <param desc="connectionStringName">reporting</param>
  </rdbTaxonomyRepository>
</repositories>
<deployHandler ref="taxonomy/repositories/rdbTaxonomyRepository" />
</taxonomy>
```

26. In the start of the <campaign> section, add the following node:

```
    <definitionManager
type="Sitecore.Marketing.Definitions.Campaigns.CampaignDefinitionManager, Sitecore.Marketing"
singleInstance="true">
      <config>
        <activationFeed>
          <observer
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Observers.SaveDefinitionToReposito
```

Sitecore Experience Platform 8.1

```
ryObserver`1[[Sitecore.Marketing.Definitions.Campaigns.ICampaignActivityDefinition,
Sitecore.Marketing]], Sitecore.Analytics">
  <param desc="repositoryName"
ref="marketingDefinitions/deploymentManagerTargetRepository" />
  </observer>
</activationFeed>
</config>
</definitionManager>
```

27. After the <campaign> section, add the following node:

```
<asset
definitionInterface="Sitecore.Marketing.Definitions.MarketingAssets.IMarketingAssetDefinition,
Sitecore.Marketing">
  <definitionManager
type="Sitecore.Marketing.Definitions.MarketingAssets.MarketingAssetDefinitionManager,
Sitecore.Marketing" singleInstance="true">
    <config>
      <activationFeed>
        <observer
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Observers.SaveDefinitionToRepositoryObserver`1[[Sitecore.Marketing.Definitions.MarketingAssets.IMarketingAssetDefinition,
Sitecore.Marketing]], Sitecore.Analytics">
          <param desc="repositoryName"
ref="marketingDefinitions/deploymentManagerTargetRepository" />
        </observer>
      </activationFeed>
    </config>
  </definitionManager>
</asset>
```

28. In the <goal> section, before the <repositories> node, add the following node:

```
<definitionManager
type="Sitecore.Marketing.Definitions.Goals.GoalDefinitionManager, Sitecore.Marketing"
singleInstance="true">
  <config>
    <activationFeed>
      <observer
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Observers.SaveDefinitionToRepositoryObserver`1[[Sitecore.Marketing.Definitions.Goals.IGoalDefinition, Sitecore.Marketing]],
Sitecore.Analytics">
        <param desc="repositoryName"
ref="marketingDefinitions/deploymentManagerTargetRepository" />
      </observer>
    </activationFeed>
  </config>
</definitionManager>
```

29. In the <outcome> section, before <repositories> node, add the following node:

```
<definitionManager
type="Sitecore.Marketing.Definitions.Outcomes.OutcomeDefinitionManager, Sitecore.Marketing"
singleInstance="true">
  <config>
    <activationFeed>
      <observer
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Observers.SaveDefinitionToRepositoryObserver`1[[Sitecore.Marketing.Definitions.Outcomes.Model.IOutcomeDefinition,
Sitecore.Marketing]], Sitecore.Analytics">
        <param desc="repositoryName"
ref="marketingDefinitions/deploymentManagerTargetRepository" />
      </observer>
    </activationFeed>
  </config>
</definitionManager>
```

30. In the <taxonomy> section, after <repositories> node, add the following node:

```
<deployManager
type="Sitecore.Analytics.Reporting.DefinitionData.Taxonomy.Deployment.DeployManager,
Sitecore.Analytics" singleInstance="true">
  <param desc="feed"
type="Sitecore.Marketing.Core.ObservableFeed.RetryingObservableFeed`1[[Sitecore.Marketing.Taxonomy.Data.Entities.TaxonEntity, Sitecore.Marketing.Taxonomy]], Sitecore.Marketing.Core">
    <observers hint="list:AddObserver">
```

Sitecore Configuration File Changes

```
        <observer
type="Sitecore.Analytics.Reporting.DefinitionData.Taxonomy.Observers.DeployTaxonObserver,
Sitecore.Analytics">
            <param desc="handler" ref="taxonomy/deployHandler" />
        </observer>
    </observers>
</param>
</deployManager>
```

Changes to App_Config\Include\Sitecore.Analytics.MarketingTaxonomy.config

To upgrade your App_Config\Include\Sitecore.Analytics.MarketingTaxonomy.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Remove the following nodes:

```
        <commands>
            <command name="marketingtaxonomy:deploy"
type="Sitecore.Marketing.Taxonomy.Shell.Commands.Taxonomies.Deploy,
Sitecore.Marketing.Taxonomy" />
        </commands>
```

```
        <!-- Initializes the deploy manager -->
        <hook type="Sitecore.Marketing.Taxonomy.Hooks.DeployInitializer,
Sitecore.Marketing.Taxonomy" />
```

2. At the beginning of the <taxonomy> section, add the following node:

```
        <sc.variable name="taxonomy.repository" value="itemTaxonomyRepository" />
```

3. Replace the following node:

```
        <param desc="repository" ref="taxonomy/repositories/itemTaxonomyRepository"
/>
```

with

```
        <param desc="repository" ref="taxonomy/repositories/${taxonomy.repository}"
/>
```

4. In the <knownManagers> section, add the following node:

You can add it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <channelTaxonomyManager> node.

```
        <venueTaxonomyManager type="Sitecore.Marketing.Taxonomy.VenueTaxonomyManager,
Sitecore.Marketing.Taxonomy" singleInstance="true">
            <param desc="repository" ref="taxonomy/repositories/${taxonomy.repository}"
/>
            <param desc="mapper" ref="taxonomy/mappers/taxonomyTypeMapper" />
            <param desc="cacheSize">20MB</param>
        </venueTaxonomyManager>
```

5. In the <knownManagers> section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <assetTaxonomyManager> node

```
        <outcomeGroupTaxonomyManager
type="Sitecore.Marketing.Taxonomy.OutcomeGroupTaxonomyManager, Sitecore.Marketing.Taxonomy"
singleInstance="true">
            <param desc="repository" ref="taxonomy/repositories/${taxonomy.repository}"
/>
            <param desc="mapper" ref="taxonomy/mappers/taxonomyTypeMapper" />
            <param desc="cacheSize">20MB</param>
        </outcomeGroupTaxonomyManager>
```

6. Remove the following nodes:

```
        <rdbTaxonomyRepository
type="Sitecore.Marketing.Taxonomy.Data.Rdb.RdbTaxonomyRepository, Sitecore.Marketing.Taxonomy"
singleInstance="true">
            <param desc="connectionStringName">reporting</param>
        </rdbTaxonomyRepository>
```

```
<!-- Deployment -->  
<!-- Use the rdb repository-->  
<deployHandler ref="taxonomy/repositories/rdbTaxonomyRepository" />
```

7. In the `<mappers>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `Channel` node.

```
<!-- Venue -->  
<venueTaxonomyMapper  
type="Sitecore.Marketing.Taxonomy.Mapping.Venue.VenueTaxonomyMapper,  
Sitecore.Marketing.Taxonomy"/>  
<venueTypeMapper  
type="Sitecore.Marketing.Taxonomy.Mapping.Venue.VenueTypeMapper,  
Sitecore.Marketing.Taxonomy"/>  
<venueGroupMapper  
type="Sitecore.Marketing.Taxonomy.Mapping.Venue.VenueGroupMapper,  
Sitecore.Marketing.Taxonomy"/>  
<venueMapper type="Sitecore.Marketing.Taxonomy.Mapping.Venue.VenueMapper,  
Sitecore.Marketing.Taxonomy"/>
```

8. In the `<mappers>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `Asset` node.

```
<!-- Outcome Group -->  
<outcomeGroupTaxonomyMapper  
type="Sitecore.Marketing.Taxonomy.Mapping.OutcomeGroup.OutcomeGroupTaxonomyMapper,  
Sitecore.Marketing.Taxonomy"/>  
<outcomeGroupMapper  
type="Sitecore.Marketing.Taxonomy.Mapping.OutcomeGroup.OutcomeGroupMapper,  
Sitecore.Marketing.Taxonomy"/>
```

Changes to `App_Config\Include\Sitecore.Analytics.Model.config`

To upgrade your `App_Config\Include\Sitecore.Analytics.Model.config` configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the `<elements>` section, after the `"Sitecore.Analytics.Model.Entities.IContactPhoneNumbers"` element, add the following element:

```
<element  
interface="Sitecore.Analytics.Model.Entities.IContactBehaviorProfiles,  
Sitecore.Analytics.Model"  
implementation="Sitecore.Analytics.Model.Generated.ContactBehaviorProfiles,  
Sitecore.Analytics.Model" />
```

2. In the end of the `<elements>` section, add the following elements:

```
<element interface="Sitecore.Analytics.Model.Entities.IBehaviorProfile,  
Sitecore.Analytics.Model" implementation="Sitecore.Analytics.Model.Generated.BehaviorProfile,  
Sitecore.Analytics.Model"/>  
<element interface="Sitecore.Analytics.Model.Entities.IBehaviorProfileValue,  
Sitecore.Analytics.Model"  
implementation="Sitecore.Analytics.Model.Generated.BehaviorProfileValue,  
Sitecore.Analytics.Model"/>
```

Changes to `App_Config\Include\Sitecore.Analytics.MongoDb.config`

To upgrade your `App_Config\Include\Sitecore.Analytics.MongoDb.config` configuration file to Sitecore 8.1 rev. 151003 (Initial Release), you must make the following changes:

1. Replace the existing `"failOnReadErrors"` param with the following one:

```
<param desc="failOnReadErrors">false</param>
```

Sitecore Configuration File Changes

2. In the end of <sitecore> section, add the following node:

```
<pipelines>
  <updateMongoDriverSettings>
</updateMongoDriverSettings>
</pipelines>
```

Changes to App_Config\Include\Sitecore.Analytics.Oracle.config.disabled

To upgrade your App_Config\Include\Sitecore.Analytics.Oracle.config.disabled configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Remove the following nodes:

```
<!-- ANALYTICS DISABLE DATABASE
      Disables the database so that no reading or writing to the database
occurs.
      Default: false
-->
<setting name="Analytics.DisableDatabase" value="false" />
```

```
<!-- ANALYTICS ENABLED
      Determines whether analytics is enabled or not.
      Default: true
-->
<setting name="Analytics.Enabled" value="true" />
```

Changes to App_Config\Include\Sitecore.Analytics.Outcome.config

To upgrade your App_Config\Include\Sitecore.Analytics.Outcome.config configuration file to the Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <pipelines> section, replace the following node:

```
<submitContact>
  <processor
type="Sitecore.Analytics.Outcome.Pipelines.SubmitContact.SaveOutcomesProcessor,
Sitecore.Analytics.Outcome">
    <OutcomeManager ref="outcome/outcomeManager" />
  </processor>
</submitContact>
```

with

```
<rebuildKeyBehaviorCache>
  <processor
type="Sitecore.Analytics.Outcome.Pipelines.RebuildKeyBehaviorCache.UpdateArgumentsWithOutcomes
RelatedToInteractions, Sitecore.Analytics.Outcome"
patch:after="processor[@type='Sitecore.Analytics.Pipelines.RebuildKeyBehaviorCache.ReadInterac
tionsFromHistory, Sitecore.Analytics']"/>
  </rebuildKeyBehaviorCache>

  <updateKeyBehaviorCache>
  <processor
type="Sitecore.Analytics.Outcome.Pipelines.UpdateKeyBehaviorCache.UpdateOutcomesModelData,
Sitecore.Analytics.Outcome"
patch:after="processor[@type='Sitecore.Analytics.Pipelines.UpdateKeyBehaviorCache.UpdateGoalsM
odelData, Sitecore.Analytics']"/>
  </updateKeyBehaviorCache>
```

Changes to App_Config\Include\Sitecore.Analytics.Processing.config

To upgrade your Sitecore.Analytics.Processing.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. At the end of <processing> section, add the following node:

```
<contactsProcessingManager
type="Sitecore.Analytics.Processing.Contact.ContactsProcessingManager">
  <param desc="taskManager" ref="processing/taskManager"/>
```

```
</contactsProcessingManager>
```

Changes to App_Config\Include\Sitecore.Analytics.Tracking.config

To upgrade your App_Config\Include\Sitecore.Analytics.Tracking.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Replace the following node:

```
<!-- ANALYTICS CLUSTER NAME
      Domain name of the web cluster this instance belongs to.
      Default: <None>
-->
<setting name="Analytics.ClusterName" value="" />
```

with

```
<!-- ANALYTICS CLUSTER NAME
      Domain name of the web cluster this instance belongs to.
      Default: default-cd-cluster
-->
<setting name="Analytics.ClusterName" value="default-cd-cluster" />
```

2. In the <settings> section, add the following setting:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "Analytics.ClusterName" setting.

```
<!-- ANALYTICS DEFAULT DEFINITION DATABASE
      Specifies the name of default database where
      content item definitions are stored.
-->
<setting name="Analytics.DefaultDefinitionDatabase" value="master" />
```

3. Remove the following node:

```
<!-- ANALYTICS CONTACT MAXIMUM INTERACTIONS
      Maximum number of interactions in contact history that can be loaded
      by personalization components on website pages.
      Default: 0
-->
<setting name="Analytics.ContactHistory.MaxInteractions" value="0" />
```

4. In the <settings> section, add the following settings:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "Analytics.Sampling.Percentage" setting.

```
<!-- ANALYTICS SUPPRESS TRACKING INITIALIZATION EXCEPTIONS
      Specifies whether exceptions thrown during tracking initialization should
      be suppressed.
      Default: true
-->
<setting name="Analytics.SuppressTrackingInitializationExceptions" value="true"
/>

<!-- ANALYTICS USE SUBMIT QUEUE
      Specifies if the submit queue should be used when the contact or session
      submit operations cannot access the database.
      If set to true, the contact or session is queued until the database is
      backed up (see the <submitQueue> section).
      Default: true
-->
<setting name="Analytics.UseSubmitQueue" value="true" />
```

5. At the end of <pipelines><createVisit> section, add the following processor:

```
<processor type="Sitecore.Analytics.Pipelines.CreateVisits.InitializeProfile,
Sitecore.Analytics" />
```

6. In the <pipelines><createVisit> section, replace

```
<processor type="Sitecore.Analytics.Pipelines.CreateVisits.XForwardedFor,
Sitecore.Analytics" />
```


Sitecore Configuration File Changes

with

```
<processor type="Sitecore.Analytics.Pipelines.CreateVisits.XForwardedFor,
Sitecore.Analytics">
  <HeaderIpIndex>0</HeaderIpIndex>
</processor>
```

7. In the <pipelines><endAnalytics> section, replace

```
<processor type="Sitecore.Analytics.Pipelines.EndAnalytics.ReleaseContact,
Sitecore.Analytics" />
```

with

```
<processor type="Sitecore.Analytics.Pipelines.EndAnalytics.ReleaseContact,
Sitecore.Analytics" runIfAborted="true"/>
```

8. In the <pipelines><ensureSessionContext> section, replace the following processor:

```
<processor
type="Sitecore.Analytics.Pipelines.EnsureSessionContext.LoadContact, Sitecore.Analytics" />
```

with

```
<processor
type="Sitecore.Analytics.Pipelines.EnsureSessionContext.LoadContact, Sitecore.Analytics">
  <ContactManager ref="tracking/contactManager" />
  <LoadContactTimeout>5000</LoadContactTimeout>
  <LoadContactSleepTime>500</LoadContactSleepTime>
</processor>
```

9. In the <pipelines><ensureSessionContext> section, replace the following processor:

```
<processor
type="Sitecore.Analytics.Pipelines.EnsureSessionContext.CreateContact, Sitecore.Analytics"/>
```

with

```
<processor
type="Sitecore.Analytics.Pipelines.EnsureSessionContext.CreateContact, Sitecore.Analytics">
  <ContactManager ref="tracking/contactManager" />
</processor>
<processor
type="Sitecore.Analytics.Pipelines.EnsureSessionContext.LoadKeyBehaviorCache,
Sitecore.Analytics"/>
```

10. In the <pipelines> section, add the following node:

You can add it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <excludeRobots> node.

```
<getDictionaryDataStorage>
  <processor
type="Sitecore.Analytics.Data.Dictionaries.DictionaryData.Session.GetDictionaryDataProcessor,
Sitecore.Analytics"
patch:before="processor[@type='Sitecore.Analytics.Data.Dictionaries.DictionaryData.Xdb.GetDict
ionaryDataProcessor, Sitecore.Analytics']" >
    <DictionaryData
type="Sitecore.Analytics.Data.Dictionaries.DictionaryData.Session.SessionDictionaryData,
Sitecore.Analytics" singleInstance="true">
      <param desc="configuration" ref="tracking/sharedSessionState/config" />
    </DictionaryData>
  </processor>
</getDictionaryDataStorage>
```

11. In the beginning of <pipelines><initialize> section, add the following processor:

```
<processor type="Sitecore.Analytics.Pipelines.Loader.InitializeTracking,
Sitecore.Analytics" />
```

Changes to App_Config\Include\Sitecore.Analytics.Tracking.Database.config

To upgrade your App_Config\Include\Sitecore.Analytics.Tracking.Database.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <pipelines><commitSession> section, after the "Sitecore.Analytics.Pipelines.CommitSession.EnsureClassification " processor, add the following processor:

```
<processor
type="Sitecore.Analytics.Pipelines.CommitSession.UpdateContactBehaviorProfiles,
Sitecore.Analytics" />
```

2. At the end of the <pipelines><submitSessionContext> section, add the following processors:

```
<processor type="Sitecore.Analytics.Pipelines.SubmitSessionContext.RenumberInteractions,
Sitecore.Analytics"
patch:after="processor[@type='Sitecore.Analytics.Pipelines.SubmitSessionContext.SaveVisit,
Sitecore.Analytics']" />
<processor type="Sitecore.Analytics.Pipelines.SubmitSessionContext.UpdateKeyBehaviorCache,
Sitecore.Analytics"
patch:after="processor[@type='Sitecore.Analytics.Pipelines.SubmitSessionContext.RenumberVisitI
ndexes, Sitecore.Analytics']" >
  <ContactManager ref="tracking/contactManager" />
</processor>
```

3. In the <tracking><contactManager> section, replace the following node:

```
<patch:attribute name="ref">contactRepository</patch:attribute>
```

with

```
<patch:delete />
```

Changes to App_Config\Include\Sitecore.Buckets.config

To upgrade your App_Config\Include\Sitecore.Buckets.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the <pipelines> section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <publish> node.

```
<publishItem>
  <processor
patch:after="processor[@type='Sitecore.Publishing.Pipelines.PublishItem.DetermineAction,
Sitecore.Kernel']"
type="Sitecore.Buckets.Pipelines.PublishItem.ProcessActionForBucketStructure,
Sitecore.Buckets" />
</publishItem>
```

Changes to App_Config\Include\Sitecore.ContentSearch.config

To upgrade your App_Config\Include\Sitecore.ContentSearch.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <events> section, replace the following event node:

```
<event name="indexing:start" />
```

with

```
<event name="indexing:start">
  <handler type="Sitecore.ContentSearch.Events.IndexingEventHandler,
Sitecore.ContentSearch" method="IndexingStartedHandler" />
</event>
```

Sitecore Configuration File Changes

2. In the end of the `<events>` `<event name="indexing:end">` node, add the following handler:

```
<handler type="Sitecore.ContentSearch.Events.IndexingEventHandler,
Sitecore.ContentSearch" method="IndexingEndedHandler" />
```

3. Between the `<hooks>` and `<pipelines>` sections, add the following node:

```
<log4net>
  <appender name="SearchLogFileAppender"
type="log4net.Appender.SitecoreLogFileAppender, Sitecore.Logging">
    <file value="$(dataFolder)/logs/Search.log.{date}.txt"/>
    <appendToFile value="true"/>
    <layout type="log4net.Layout.PatternLayout">
      <conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n"/>
    </layout>
    <encoding value="utf-8"/>
  </appender>
  <appender name="CrawlingLogFileAppender"
type="log4net.Appender.SitecoreLogFileAppender, Sitecore.Logging">
    <file value="$(dataFolder)/logs/Crawling.log.{date}.txt"/>
    <appendToFile value="true"/>
    <layout type="log4net.Layout.PatternLayout">
      <conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n"/>
    </layout>
    <encoding value="utf-8"/>
  </appender>
  <logger name="Sitecore.Diagnostics.Search" additivity="false">
    <level value="INFO"/>
    <appender-ref ref="SearchLogFileAppender"/>
  </logger>
  <logger name="Sitecore.Diagnostics.Crawling" additivity="false">
    <level value="INFO"/>
    <appender-ref ref="CrawlingLogFileAppender"/>
  </logger>
</log4net>
```

4. In the `<scheduling>` section, change the interval of the "Sitecore.ContentSearch.Tasks.Optimize" agent to "12:00:00".

After this change, the agent should look like this:

```
<!-- An agent to optimize the specified indexes periodically. -->
<agent type="Sitecore.ContentSearch.Tasks.Optimize" method="Run"
interval="12:00:00">
```

Changes to

App_Config\Include\Sitecore.ContentSearch.DefaultConfigurations.config

To upgrade your

App_Config\Include\Sitecore.ContentSearch.DefaultConfigurations.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. After the `<indexUpdateStrategies>``<onPublishEndAsync>` section, add the following node:

```
<!-- REINDEX ON PUBLISH END SINGLE INSTANCE
This strategy is triggered on publish:end and uses the EventQueue to
incrementally rebuild the index. The strategy contains all indexes which belong to it.
-->
<onPublishEndAsyncSingleInstance
type="Sitecore.ContentSearch.Maintenance.Strategies.OnPublishEndAsynchronousSingleInstanceStrategy, Sitecore.ContentSearch" singleInstance="true">
  <param desc="database">web</param>
  <!-- Whether or not a full index rebuild should be triggered when the
number of items in the EventQueue exceeds the number specified
in ContentSearch.FullRebuildItemCountThreshold. -->
  <CheckForThreshold>true</CheckForThreshold>
</onPublishEndAsyncSingleInstance>
```

2. After the `<databasePropertyStore>` section, add the following node:

```
<filesystemPropertyStore
type="Sitecore.ContentSearch.Maintenance.IndexFileSystemPropertyStore,
Sitecore.ContentSearch">
  <Key>$(1)</Key>
</filesystemPropertyStore>
```

Changes to App_Config\Include\Sitecore.ExperienceEditor.config

To upgrade your `App_Config\Include\Sitecore.ExperienceEditor` configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. At the beginning of the `<pipelines>` section, add the following nodes:

```
<getLayoutSourceFields>
  <processor
type="Sitecore.ExperienceEditor.Speak.Ribbon.Pipelines.GetLayoutSourceFields.SetLayoutRenderin
gs, Sitecore.ExperienceEditor.Speak.Ribbon" />
  </getLayoutSourceFields>
  <renderField>
    <processor
type="Sitecore.ExperienceEditor.Pipelines.RenderField.EditAllVersions,
Sitecore.ExperienceEditor"
patch:before="processor[@type='Sitecore.Pipelines.RenderField.RenderWebEditing,
Sitecore.Kernel']" />
  </renderField>
```

2. In the end of the `<pipelines><getPageEditorNotifications>` section, add the following processors:

```
<processor
type="Sitecore.Pipelines.GetPageEditorNotifications.NeverPublishNotification,
Sitecore.ExperienceEditor" />
<processor
type="Sitecore.Pipelines.GetPageEditorNotifications.FallbackFieldsCountNotification,
Sitecore.ExperienceEditor" />
<processor
type="Sitecore.Pipelines.GetPageEditorNotifications.ReadOnlyNotification,
Sitecore.ExperienceEditor" />
```

3. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<getPageEditorValidators>` node.

```
<getChromeData>
  <processor
patch:after="processor[@type='Sitecore.Pipelines.GetChromeData.GetFieldChromeData,
Sitecore.Kernel']"
type="Sitecore.ExperienceEditor.Pipelines.GetChromeData.InitializeChromeFieldDisplayName,
Sitecore.ExperienceEditor" />
</getChromeData>
```

4. At the beginning of the `<settings>` section, add the following setting:

```
<!-- WEB EDIT ALL VERSIONS
      Default value: true
-->
<setting name="WebEdit.EditAllVersions" value="true" />
```

5. Remove the following settings:

```
<!-- WEBEDIT PAGE DAILY VISITS CACHE EXPIRATION
      Sets the absolute expiration on the cached daily visits data in Page
Editor.
      Makes sense only when analytics is enabled.
      Default value: 1.00:00:00 (1 day)
-->
<setting name="WebEdit.PageDailyVisitsCacheExpiration" value="1.00:00:00" />
<!-- WEBEDIT TEST STATISTICS CACHE EXPIRATION
      Sets the absolute expiration on the cached test statistics data in Page
Editor.
      Makes sense only when analytics is enabled.
```

Sitecore Configuration File Changes

```
Default value: 01:00:00 (1 hour)
-->
<setting name="WebEdit.TestStatisticsCacheExpiration" value="01:00:00" />
```

6. Remove the following commands:

```
<command name="webedit:beginedit"
type="Sitecore.Shell.Applications.WebEdit.Commands.BeginEdit, Sitecore.ExperienceEditor" />
```

```
<command name="webedit:editplaceholderproperties"
type="Sitecore.Shell.Applications.WebEdit.Commands.EditPlaceholderProperties,
Sitecore.ExperienceEditor" />
```

```
<command name="webedit:saved"
type="Sitecore.Shell.Applications.WebEdit.Commands.Saved, Sitecore.ExperienceEditor" />
```

```
<command name="webedit:toggleselect"
type="Sitecore.Shell.Applications.WebEdit.Commands.ToggleSelect, Sitecore.ExperienceEditor" />
```

7. At the end of the <commands> section, add the following commands:

```
<command name="webedit:hidecontrol"
type="Sitecore.ExperienceEditor.WebEdit.Commands.HideControl, Sitecore.ExperienceEditor" />
<command name="webedit:openexperienceeditor"
type="Sitecore.Shell.Applications.WebEdit.Commands.OpenExperienceEditor,
Sitecore.ExperienceEditor" />
```

Changes to

App_Config\Include\Sitecore.ExperienceEditor.Speak.Requests.config

To upgrade your

App_Config\Include\Sitecore.ExperienceEditor.Speak.Requests.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Remove the following node:

```
<!-- Logout Start -->
<request name="ExperienceEditor.Logout.ClearCache"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Logout.ClearCacheRequest,
Sitecore.ExperienceEditor.Speak.Ribbon"/>
<request name="ExperienceEditor.Logout.ClearSession"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Logout.ClearSessionRequest,
Sitecore.ExperienceEditor.Speak.Ribbon"/>
<request name="ExperienceEditor.Logout.RemoveTicket"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Logout.RemoveTicketRequest,
Sitecore.ExperienceEditor.Speak.Ribbon"/>
<request name="ExperienceEditor.Logout"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Logout.LogoutRequest,
Sitecore.ExperienceEditor.Speak.Ribbon"/>
<!-- Logout End -->
```

2. In the "ToggleRegistryKey" section, add the following request:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "ExperienceEditor.ToggleRegistryKey.Get" request.

```
<request name="ExperienceEditor.ToggleRegistryKeys.Get"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.ToggleRegistryKey.GetRegistryKeysRequest,
Sitecore.ExperienceEditor.Speak.Ribbon"/>
```

3. In the "ProfileCards" section, after "ExperienceEditor.SelectProfileCardDialog.Url", add the following request

```
<request name="ExperienceEditor.ProfileCardsPanel.CanOpenProfileCard"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.ProfileCards.CanOpenProfileCard,
Sitecore.ExperienceEditor.Speak.Ribbon" />
```

4. In the "Common" section, add the following requests:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "ExperienceEditor.Item.HasPresentation" request.

```
<request name="ExperienceEditor.Item.GetUri"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Common.GetItemUri,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.ControlState.True"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Common.AlwaysTruePipelineProcessorControlStateRequest, Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.TranslateText"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Common.TranslateText,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.IsAnalyticsEnabled"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Common.IsAnalyticsEnabled,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.IsEditAllVersionsTicked"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Common.IsEditAllVersionsTicked,
Sitecore.ExperienceEditor.Speak.Ribbon" />
```

5. At the end of the <sitecore.experienceeditor.speak.requests> section, add the following nodes:

```
<!-- Reset Fields -->
  <request name="ExperienceEditor.ResetFields.CanResetFields"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.ResetFields.CanResetFieldsRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.ResetFields.GetDialogUrl"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.ResetFields.GetDialogUrlRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <!-- Reset Fields -->

  <!-- Compare Versions -->
  <request name="ExperienceEditor.CompareVersions.CanCompareVersions"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.CompareVersions.CanCompareVersionsRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.CompareVersions.GetDialogUrl"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.CompareVersions.GetDialogUrlRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <!-- Compare Versions -->

  <!-- Remove Versions -->
  <request name="ExperienceEditor.RemoveVersions.CanRemoveVersion"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.RemoveVersions.CanRemoveVersionRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.RemoveVersions.GetIconLabel"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.RemoveVersions.IconLabelRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.RemoveVersions.GetCommand"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.RemoveVersions.GetCommandRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.RemoveVersions.Confirm"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.RemoveVersions.ConfirmRemoveVersionsRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.RemoveVersions.CheckReferrers"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.RemoveVersions.CheckReferrersRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.RemoveVersions.UncloneItems"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.RemoveVersions.UncloneItemsRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.RemoveVersions.Execute"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.RemoveVersions.ExecuteRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <!-- Remove Versions -->

  <!-- Remove Language -->
  <request name="ExperienceEditor.RemoveLanguage.Confirm"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.RemoveLanguage.ConfirmRemoveLanguageRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.RemoveLanguage.Execute"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.RemoveLanguage.ExecuteRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <!-- Remove Language -->

  <!-- Add Version -->
```

Sitecore Configuration File Changes

```
<request name="ExperienceEditor.AddVersion.CanAddVersion"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.AddVersion.CanAddVersionRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.AddVersion.Execute"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.AddVersion.ExecuteRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <!-- Add Version -->

  <!-- Select Version -->
  <request name="ExperienceEditor.SelectVersion.CanSelectVersion"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.SelectVersion.CanSelectVersionRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.SelectVersion.CheckLatestVersion"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.SelectVersion.CheckLatestVersionRequest,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <!-- Select Version -->

  <!-- Proofing -->
  <request name="ExperienceEditor.Proofing.Validation"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Proofing.Validation,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.Proofing.Markup"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.Proofing.Markup,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <!-- Proofing -->

  <!-- Edit all versions -->
  <request name="ExperienceEditor.Versions.GetStatus"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.EditAllVersions.GetStatus,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.Versions.NotificationMessage"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.EditAllVersions.NotificationMessage,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.Versions.SelectLayout"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.EditAllVersions.SelectLayout,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <request name="ExperienceEditor.Versions.IconLabel"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.EditAllVersions.IconLabel,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <!-- Edit all versions -->

  <!-- Fields validation -->
  <request name="ExperienceEditor.FieldsValidation.ValidateFields"
type="Sitecore.ExperienceEditor.Speak.Ribbon.Requests.FieldsValidation.ValidateFields,
Sitecore.ExperienceEditor.Speak.Ribbon" />
  <!-- Fields validation -->
```

Changes to App_Config\Include\Sitecore.ExperienceExplorer.config

To upgrade your App_Config\Include\Sitecore.ExperienceExplorer.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Remove the following node:

```
<!-- EXPERIENCE EXPLORER CONTEXT DEVICE QUALIFIER
The query string key for passing the id of current Sitecore Device
Default value: sc_exp_deviceid
-->
<setting name="ExperienceExplorer.ContextDeviceIdQueryStringKey"
value="sc_exp_deviceid" />
```

2. Remove the following setting:

```
<!-- EXPERIENCE EXPLORER PREVIEW DATE QUALIFIER
The query string key for passing the preset for the of current Sitecore
session in GUID or name
Allows preview via query string: ?sc preset={0B56B799-14E8-4EF3-BE06-
50F093434E39} or ?sc preset=cecile
Default value: sc_preset
Note: this setting has been deprecated. It will be removed in the next
product version
-->
<setting name="ExperienceExplorer.PresetQueryStringKey" value="sc_preset" />
```

3. At the end of the <settings> section, add the following setting:

```
<setting name="Query.MaxItems">
  <patch:attribute name="value">260</patch:attribute>
</setting>
```

4. In the <pipelines><httpRequestBegin> section, replace the following processor:

```
<processor
type="Sitecore.ExperienceExplorer.Business.Pipelines.HttpRequest.ExecuteRequest,
Sitecore.ExperienceExplorer.Business"

patch:before="processor[@type='Sitecore.Pipelines.HttpRequest.ExecuteRequest,
Sitecore.Kernel']"></processor>
```

with

```
<processor
type="Sitecore.ExperienceExplorer.Business.Pipelines.HttpRequest.RedirectOnAccessDenied,
Sitecore.ExperienceExplorer.Business"

patch:before="processor[@type='Sitecore.Pipelines.HttpRequest.ExecuteRequest,
Sitecore.Kernel']"></processor>
```

5. In the <pipelines><httpRequestEnd> section, remove the following processor:

```
<processor
type="Sitecore.ExperienceExplorer.Business.Pipelines.HttpRequestProcessed.LoginVirtualUser,
Sitecore.ExperienceExplorer.Business"

patch:before="processor[@type='Sitecore.Pipelines.PreprocessRequest.CheckIgnoreFlag,
Sitecore.Kernel']" />
```

Changes to App_Config\Include\Sitecore.Marketing.Client.config

To upgrade your App_Config\Include\Sitecore.Marketing.Client.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. Replace the following node:

```
<source
folder="/sitecore/shell/client/Applications/Marketing/Utilities/DeployMarketingDefinitions"
deep="true" category="deploymarketingdefinitions" pattern="*.js,*.css" />
```

with

```
<source folder="/sitecore/shell/client/Applications/Marketing/Utilities"
deep="true" category="marketingutilities" pattern="*.js,*.css" />
```

Changes to App_Config\Include\Sitecore.Marketing.config

To upgrade your App_Config\Include\Sitecore.Marketing.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Remove the following nodes:

```
<pipelines>
  <!-- hooks into the analytics deployDefinition pipeline -->
  <deployDefinition>
    <processor type="Sitecore.Marketing.Definitions.Deployment.Processors.Deploy,
Sitecore.Marketing"
patch:before="processor[@type='Sitecore.Analytics.Pipelines.DeployDefinition.SavePageEvent,Sitecore.Analytics']"/>
  </deployDefinition>
</pipelines>
```

and

```
<deploymentManager
type="Sitecore.Marketing.Definitions.Deployment.DeploymentManager, Sitecore.Marketing"
singleInstance="true">
  <!--
specifies which of the repositories for the definition is used to deploy from
this server i.e. rdb, remote.
-->
```


Sitecore Configuration File Changes

```
When using remote repositories, configure
marketingDefinitions/httpTransportFactory -->
  <param desc="targetRepository">rdb</param>
</deploymentManager>
```

2. At the beginning of the <marketingDefinitions> section, add the following node:

```
<sc.variable name="marketingDefinitions.isReadOnly" value="false" />
<sc.variable name="marketingDefinitions.repository" value="item" />
<sc.variable name="marketingDefinitions.repositories.item.assumeActive"
value="false" />
<itemRepositoriesDatabase>master</itemRepositoriesDatabase>
```

3. Replace all of the existing following node:

```
<param desc="repository"
ref="marketingDefinitions/campaign/repositories/item" />
```

with

```
<param desc="repository"
ref="marketingDefinitions/campaign/repositories/${marketingDefinitions.repository}" />
```

4. In the <campaign><definitionManager> section before the <config> node, add the following nodes:

```
<param desc="definitionFieldLabelResolver"
type="Sitecore.Marketing.Definitions.ItemBasedDefinitionFieldLabelResolver,
Sitecore.Marketing">
  <param desc="databaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
</param>
<param desc="searchProvider"
ref="marketingDefinitions/campaign/searchProviders/notSupported" />
<param desc="isReadOnly" type="System.Boolean" factoryMethod="Parse"
arg0="${marketingDefinitions.isReadOnly}" />
```

5. In the <campaign><definitionManager><config> section, after the </knownTaxonomyFieldMappings> node, add the following node

```
<activationFeed>
  <observer
type="Sitecore.Marketing.Observers.PublishItemObserver`1[[Sitecore.Marketing.Definitions.Campaigns.ICampaignActivityDefinition, Sitecore.Marketing]], Sitecore.Marketing">
  <param desc="authoringItemDatabaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
  </observer>
</activationFeed>
```

6. In the <campaign><repositories> section, replace the following node:

```
<param desc="databaseName">master</param>
```

with

```
<param desc="databaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
<param desc="assumeActive" type="System.Boolean" factoryMethod="Parse"
arg0="${marketingDefinitions.repositories.item.assumeActive}" />
```

7. In the <campaign><repositories> section, remove the following node:

```
<rdb
type="Sitecore.Marketing.Definitions.Campaigns.Data.Rdb.RdbCampaignDefinitionRepository,
Sitecore.Marketing" singleInstance="true">
  <param desc="connectionStringName">reporting</param>
  <param desc="cache"
type="Sitecore.Marketing.Definitions.Repository.RdbCache.DefinitionCache`1[[Sitecore.Marketing
.Definitions.Campaigns.Data.CampaignActivityDefinitionRecord, Sitecore.Marketing]],
Sitecore.Marketing">
  <param desc="name">marketing.rdb.campaign</param>
  <param desc="maxSize">20MB</param>
  </param>
</rdb>
```

8. In the end of `<campaign>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<repositories>` node.

```
<searchProviders>
  <notSupported
type="Sitecore.Marketing.Search.NotSupportedSearchProvider`1[[Sitecore.Marketing.Definitions.Campaigns.ICampaignActivityDefinition, Sitecore.Marketing]]" />
</searchProviders>
```

9. In the `<asset><definitionManager>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<param desc="classificationResolver" ...>` node.

```
<param desc="definitionFieldLabelResolver"
type="Sitecore.Marketing.Definitions.ItemBasedDefinitionFieldLabelResolver,
Sitecore.Marketing">
  <param desc="databaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
</param>
<param desc="searchProvider"
ref="marketingDefinitions/asset/searchProviders/notSupported" />
<param desc="isReadOnly" type="System.Boolean" factoryMethod="Parse"
arg0="$ (marketingDefinitions.isReadOnly)" />
```

10. In `<asset><definitionManager><config>` section, after the `</knownTaxonomyFieldMappings>` node, add the following node:

```
<activationFeed>
  <observer
type="Sitecore.Marketing.Observers.PublishItemObserver`1[[Sitecore.Marketing.Definitions.MarketingAssets.IMarketingAssetDefinition, Sitecore.Marketing]], Sitecore.Marketing">
  <param desc="authoringItemDatabaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
</observer>
</activationFeed>
```

11. At the end of `<asset>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<repositories>` node.

```
<searchProviders>
  <notSupported
type="Sitecore.Marketing.Search.NotSupportedSearchProvider`1[[Sitecore.Marketing.Definitions.MarketingAssets.IMarketingAssetDefinition, Sitecore.Marketing]], Sitecore.Marketing" />
</searchProviders>
```

12. Replace of the following node:

```
<param desc="repository" ref="marketingDefinitions/goal/repositories/item" />
```

with

```
<param desc="repository"
ref="marketingDefinitions/goal/repositories/$(marketingDefinitions.repository)" />
```

13. In the `<goal><definitionManager>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `"Sitecore.Marketing.Definitions.DefaultClassificationResolver"` node.

```
<param desc="definitionFieldLabelResolver"
type="Sitecore.Marketing.Definitions.ItemBasedDefinitionFieldLabelResolver,
Sitecore.Marketing">
  <param desc="databaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
</param>
<param desc="searchProvider"
ref="marketingDefinitions/goal/searchProviders/notSupported" />
<param desc="isReadOnly" type="System.Boolean" factoryMethod="Parse"
arg0="$ (marketingDefinitions.isReadOnly)" />
```

Sitecore Configuration File Changes

14. In the `<goal><definitionManager><config>` section, after the `</knownTaxonomyFieldMappings>` node, add the following node:

```
<activationFeed>
  <observer
type="Sitecore.Marketing.Observers.PublishItemObserver`1[[Sitecore.Marketing.Definitions.Goals
.IGoalDefinition, Sitecore.Marketing]], Sitecore.Marketing">
    <param desc="authoringItemDatabaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
  </observer>
</activationFeed>
```

15. In the `<goal><repositories>` section, replace the following node:

```
<param desc="databaseName">master</param>
```

with

```
<param desc="databaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
<param desc="assumeActive" type="System.Boolean" factoryMethod="Parse"
arg0="$ (marketingDefinitions.repositories.item.assumeActive)" />
```

16. In the `<goal>` section, remove the following node:

```
<rdb
type="Sitecore.Marketing.Definitions.Goals.Data.Rdb.GoalDefinitionRdbRepository,
Sitecore.Marketing" singleInstance="true">
  <param desc="connectionStringName">reporting</param>
  <param desc="cache"
type="Sitecore.Marketing.Definitions.Repository.RdbCache.DefinitionCache`1[[Sitecore.Marketing
.Definitions.Goals.Data.GoalDefinitionRecord, Sitecore.Marketing]], Sitecore.Marketing">
    <param desc="name">marketing.rdb.goal</param>
    <param desc="maxSize">20MB</param>
  </param>
</rdb>
```

17. At the end of `<goal>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<repositories>` node.

```
<searchProviders>
  <notSupported
type="Sitecore.Marketing.Search.NotSupportedSearchProvider`1[[Sitecore.Marketing.Definitions.G
oals.IGoalDefinition, Sitecore.Marketing]], Sitecore.Marketing" />
</searchProviders>
```

18. Replace the following node:

```
<param desc="repository" ref="marketingDefinitions/outcome/repositories/item" />
```

with

```
<param desc="repository" ref="marketingDefinitions/
outcome/repositories/$ (marketingDefinitions.repository)" />
```

19. In the `<outcome><definitionManager>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<param desc="classificationResolver"...">` node.

```
<param desc="definitionFieldLabelResolver"
type="Sitecore.Marketing.Definitions.ItemBasedDefinitionFieldLabelResolver,
Sitecore.Marketing">
  <param desc="databaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
  </param>
  <param desc="searchProvider"
ref="marketingDefinitions/outcome/searchProviders/notSupported" />
  <param desc="isReadOnly" type="System.Boolean" factoryMethod="Parse"
arg0="$ (marketingDefinitions.isReadOnly)" />
  <config>
    <!--Maps known classification fields to their correlated taxonomy-->
    <knownTaxonomyFieldMappings>
    <!--Outcome Group-->
```

```

        <mapping fieldId="{6AE27532-BAC3-42C3-B91F-B4F1F20711C0}"
taxonomyRootId="{03DAC2CB-CAC1-4621-81F8-E7B56490F1BE}"/>
    </knownTaxonomyFieldMappings>
    <activationFeed>
        <observer
type="Sitecore.Marketing.Observers.PublishItemObserver`1[[Sitecore.Marketing.Definitions.Outcomes.Model.IOutcomeDefinition, Sitecore.Marketing]], Sitecore.Marketing">
            <param desc="authoringItemDatabaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
        </observer>
    </activationFeed>
</config>

```

20. In the <outcome><repositories> section, replace the following node:

```
<param desc="databaseName">master</param>
```

with

```

        <param desc="databaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
        <param desc="assumeActive" type="System.Boolean" factoryMethod="Parse"
arg0="$ (marketingDefinitions.repositories.item.assumeActive)" />

```

21. In the <outcome> section, remove the following node:

```

        <rdb
type="Sitecore.Marketing.Definitions.Outcomes.Data.Rdb.RdbOutcomeDefinitionRepository,
Sitecore.Marketing" singleInstance="true">
            <param desc="connectionStringName">reporting</param>
            <param desc="cache"
type="Sitecore.Marketing.Definitions.Repository.RdbCache.DefinitionCache`1[[Sitecore.Marketing
.Definitions.Outcomes.Data.OutcomeDefinitionRecord, Sitecore.Marketing]], Sitecore.Marketing">
                <param desc="name">marketing.rdb.outcome</param>
                <param desc="maxSize">20MB</param>
            </param>
            <param desc="typeCache"
type="Sitecore.Marketing.Definitions.Repository.RdbCache.Cache`2[[Sitecore.Data.ID,
Sitecore.Kernel], [Sitecore.Marketing.Definitions.Outcomes.Model.IOutcomeDefinitionType,
Sitecore.Marketing]], Sitecore.Marketing">
                <param desc="name">marketing.rdb.outcome.type</param>
                <param desc="maxSize">20MB</param>
            </param>
        </rdb>

```

22. At the end of <outcome> section, after the <repositories> node, add the following node:

```

        <searchProviders>
            <notSupported
type="Sitecore.Marketing.Search.NotSupportedSearchProvider`1[[Sitecore.Marketing.Definitions.O
utcomes.Model.IOutcomeDefinition, Sitecore.Marketing]], Sitecore.Marketing" />
        </searchProviders>

```

23. After the <marketingDefinitions> section, add the following node:

```

<pipelines>
    <group name="marketingDefinitions" groupName="marketingDefinitions">
        <types>
            <generalUnpublishItemProcessor
type="Sitecore.Marketing.Pipelines.DeleteDefinition.UnPublishItem, Sitecore.Marketing">
                <param desc="authoringItemDatabaseName"
ref="marketingDefinitions/itemRepositoriesDatabase" />
            </generalUnpublishItemProcessor>
        </types>
        <pipelines>
            <deleteCampaign>
                <processor ref="generalUnpublishItemProcessor" />
            </deleteCampaign>
            <deleteGoal>
                <processor ref="generalUnpublishItemProcessor" />
            </deleteGoal>
            <deleteOutcome>
                <processor ref="generalUnpublishItemProcessor" />
            </deleteOutcome>
        </pipelines>
    </group>
</pipelines>

```

Sitecore Configuration File Changes

Changes to

App_Config\Include\Sitecore.Marketing.Definitions.MarketingAssets.Repositories.config

To upgrade your

App_Config\Include\Sitecore.Marketing.Definitions.MarketingAssets.Repositories.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <definitionManager> section, replace the following node:

```
<patch:attribute  
name="ref">marketingDefinitions/asset/repositories/item</patch:attribute>
```

with

```
<patch:attribute  
name="ref">marketingDefinitions/asset/repositories/${marketingDefinitions.repository}</patch:attribute>
```

2. In the <repositories> section, replace the following node:

```
<param desc="databaseName">master</param>
```

with

```
<param desc="databaseName"  
ref="marketingDefinitions/itemRepositoriesDatabase" />
```

3. In the <repositories> section, replace the following node:

```
<param desc="cache"  
type="Sitecore.Marketing.Definitions.Repository.RdbCache.DefinitionCache`1[[Sitecore.Marketing.Definitions.MarketingAssets.Data.MarketingAssetDefinitionRecord, Sitecore.Marketing]], Sitecore.Marketing">
```

with

```
<param desc="cache"  
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCache.DefinitionCache`1[[Sitecore.Marketing.Definitions.MarketingAssets.Data.MarketingAssetDefinitionRecord, Sitecore.Marketing]], Sitecore.Analytics">
```

4. In the <repositories><rdb ...> section, add the following node as the last node:

```
<param desc="availableCulturesCache"  
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.RdbCache.Cache`2[[Sitecore.Data.ID, Sitecore.Kernel], [System.Collections.Generic.IReadOnlyList`1[[System.Globalization.CultureInfo]]], Sitecore.Analytics">  
  <param desc="name">marketing.rdb.asset.cultures</param>  
  <param desc="maxSize">20MB</param>  
</param>
```

Changes to App_Config\Include\Sitecore.Media.RequestProtection.config

To upgrade your App_Config\Include\Sitecore.Media.RequestProtection.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. Remove the following setting:

```
<!-- Obsolete. Use "Media.RequestProtection.HashParameterName" instead.  
-->  
<setting name="Media.RequestProtection.HashParamaterName" value="" />
```

Changes to App_Config\Include\Sitecore.Mvc.config

To upgrade your App_Config\Include\Sitecore.Mvc.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <pipelines><mvc.renderRendering> section, after:

```
<processor type="Sitecore.Mvc.Pipelines.Response.RenderRendering.InitializeProfiling, Sitecore.Mvc"/>
```

Add the following node:

```
<processor type="Sitecore.Mvc.Pipelines.Response.RenderRendering.ResolveArea, Sitecore.Mvc">
  <param desc="areaResolver"
type="Sitecore.Mvc.Pipelines.Response.RenderRendering.ChainedAreaResolveStrategy, Sitecore.Mvc">
    <Resolvers hint="list">
      <resolver
type="Sitecore.Mvc.Pipelines.Response.RenderRendering.RenderingDefinitionAreaResolveStrategy, Sitecore.Mvc"/>
      <resolver
type="Sitecore.Mvc.Pipelines.Response.RenderRendering.RenderingParametersAreaResolveStrategy, Sitecore.Mvc"/>
      <resolver
type="Sitecore.Mvc.Pipelines.Response.RenderRendering.RenderingLayoutAreaResolveStrategy, Sitecore.Mvc"/>
    </Resolvers>
  </param>
</processor>
```

2. At the end of the <sitecore> section, add the following node:

```
<mvc>
  <areas>
    <!-- MVC: Sitecore will by default register all areas in the initialize pipeline.
Use the below list to specify areas that should not be registered in the initialize pipeline.
-->
    <excludedAreas>
      <area type="Sitecore.Social.Client.Mvc.Areas.Social.SocialAreaRegistration, Sitecore.Social.Client.Mvc" />
    </excludedAreas>
  </areas>
</mvc>
```

Changes to App_Config\Include\Sitecore.MvcAnalytics.config

To upgrade your App_Config\Include\Sitecore.MvcAnalytics.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. Remove the following processor:

```
<processor
type="Sitecore.Mvc.Analytics.Pipelines.Response.CustomizeRendering.SelectVariation, Sitecore.Mvc.Analytics"/>
```

Changes to App_Config\Include\Sitecore.MvcExperienceEditor.config

To upgrade your App_Config\Include\Sitecore.MvcExperienceEditor.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the <mvc.customizeRendering> node, remove the following processors:

```
<processor
type="Sitecore.Mvc.ExperienceEditor.Pipelines.Response.CustomizeRendering.SelectVariation, Sitecore.Mvc.ExperienceEditor"
patch:before="processor[@type='Sitecore.Mvc.Analytics.Pipelines.Response.CustomizeRendering.SelectVariation, Sitecore.Mvc.Analytics']" />
<processor
type="Sitecore.Mvc.ExperienceEditor.Pipelines.Response.CustomizeRendering.Personalize, Sitecore.Mvc.ExperienceEditor"
```

Sitecore Configuration File Changes

```
patch:before="processor[@type='Sitecore.Mvc.Analytics.Pipelines.Response.CustomizeRendering.Personalize, Sitecore.Mvc.Analytics']"/>
```

Changes to App_Config\Include\Sitecore.PathAnalyzer.Client.config

To upgrade your App_Config\Include\Sitecore.PathAnalyzer.Client.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the end of the <commands> section, add the following command:

```
<command name="pathanalyzer:create-site-specific-map-group"
type="Sitecore.PathAnalyzer.Client.Commands.CreateSiteSpecificMapGroup,
Sitecore.PathAnalyzer.Client" />
```

2. In the <pipelines><getContentEditorWarnings> section, replace the following processors:

```
<processor
type="Sitecore.PathAnalyzer.Client.Pipelines.GetContentEditorWarnings.TreeDefinitionDeployment, Sitecore.PathAnalyzer.Client" />
<processor
type="Sitecore.PathAnalyzer.Client.Pipelines.GetContentEditorWarnings.StartDateNotDefined, Sitecore.PathAnalyzer.Client" />
```

with

```
<processor
type="Sitecore.PathAnalyzer.Client.Pipelines.GetContentEditorWarnings.MapStatus,
Sitecore.PathAnalyzer.Client" />
```

3. In the end of the <pipelines> section, add the following node:

```
<processors>
  <uiDeleteItems>
    <processor mode="on"
type="Sitecore.PathAnalyzer.Client.Pipelines.DeleteItems.DeletePathAnalyzerItems, Sitecore.PathAnalyzer.Client"
method="CheckDefaultSiteMapGroup"
patch:before="processor[@method='UncloneItems']" />
    <processor mode="on"
type="Sitecore.PathAnalyzer.Client.Pipelines.DeleteItems.DeletePathAnalyzerItems, Sitecore.PathAnalyzer.Client"
method="CheckMapItems"
patch:before="processor[@method='UncloneItems']" />
  </uiDeleteItems>
</processors>
```

Changes to App_Config\Include\Sitecore.PathAnalyzer.config

To upgrade your App_Config\Include\Sitecore.PathAnalyzer.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <settings> section, add the following setting:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "PathAnalyzer.Caching.TreeCacheExpiration" setting.

```
<!-- PATH ANALYZER - AGGREGATION - MAP DEPLOY DATE OFFSET PADDING
Controls additional padding when interaction's SaveDateTime is compared
with map deploy date.
The timespan built from the value of this setting is added to the map
deploy date.
When a map is being deployed, the DeployDate will be
DateTime.UtcNow.Add(MapDeployDateOffsetPadding)
Interaction data for the particular map will be processed if
interaction.SaveDateTime > map.DeployDate
Default value: 00:30:00 (30 minutes)
-->
<setting name="PathAnalyzer.Aggregation.MapDeployDateOffsetPadding"
value="00:30:00" />
```

2. In the <settings> section, add the following setting:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "PathAnalyzer.MaxStoredContacts" setting.

```
<!-- PATH ANALYZER - MAX NODES TO RETURN
    Sets the maximum number of child nodes that we can return from the server.
    Default value: 30
-->
<setting name="PathAnalyzer.MaxNodeCount" value="30" />
```

3. In the <sitecore><pathAnalyzer> section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <configuration> node.

```
<!-- CONTACT EVALUATOR
    This service is used to evaluate if given contact is relevant.
-->
<contactEvaluator
type="Sitecore.PathAnalyzer.Pipelines.EvaluateContact.ContactEvaluator, Sitecore.PathAnalyzer"
/>
```

4. In the <sitecore><pathAnalyzer> section, replace the <definitionService> node with the following:

```
<definitionService type="Sitecore.PathAnalyzer.Data.TreeDefinitionService,
Sitecore.PathAnalyzer">
  <TreeDefinitionStores hint="list:AddDefinitionStore">
    <primary ref="pathAnalyzer/definitionStorage" />
    <secondary ref="pathAnalyzer/definitionStorageSecondary" />
  </TreeDefinitionStores>
</definitionService>
```

5. In the <sitecore><pathAnalyzer> section, replace the <definitionStorage> node with the following:

```
<definitionStorage
type="Sitecore.PathAnalyzer.Data.Storage.SqlDefinitionStorage, Sitecore.PathAnalyzer">
  <param desc="connectionString">reporting</param>
</definitionStorage>
```

6. In the <sitecore><pathAnalyzer> section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <definitionStorage> node.

```
<!-- DEFINITION STORAGE - SECONDARY
    This service is used to perform CRUD operations against a specific map
    definition data store. e.g. SQL Server.
-->
<definitionStorageSecondary
type="Sitecore.PathAnalyzer.Data.Storage.SqlDefinitionStorage, Sitecore.PathAnalyzer">
  <param desc="connectionString">reporting.secondary</param>
</definitionStorageSecondary>

<!-- ITEM REPOSITORY
    A service used to retrieve Sitecore items from Sitecore databases.
-->
<itemRepository type="Sitecore.PathAnalyzer.Data.SitecoreData.ItemRepository,
Sitecore.PathAnalyzer" singleInstance="true">
  <param desc="configuration" ref="pathAnalyzer/configuration" />
</itemRepository>

<!-- MAP ITEM DEPLOYMENT MANAGER
    This service is responsible for managing the deployment/re-deployment of
    map items.
-->
<mapItemDeploymentManager
type="Sitecore.PathAnalyzer.Data.MapItemDeploymentManager, Sitecore.PathAnalyzer">
  <param desc="mapItemRepository" ref="pathAnalyzer/mapItemRepository" />
  <param desc="definitionService" ref="pathAnalyzer/definitionService" />
  <param desc="configuration" ref="pathAnalyzer/configuration" />
</mapItemDeploymentManager>
```


Sitecore Configuration File Changes

7. In the `<sitecore><pathAnalyzer>` section, replace the `<mapRepository>` node with the following:

```
<!-- MAP ITEM REPOSITORY
      This service is responsible for creating and managing map objects from
Sitecore database.
-->
<mapItemRepository type="Sitecore.PathAnalyzer.Data.MapItemRepository,
Sitecore.PathAnalyzer">
  <param desc="itemRepository" ref="pathAnalyzer/itemRepository" />
  <param desc="configuration" ref="pathAnalyzer/configuration" />
</mapItemRepository>
```

8. In the `<sitecore><pathAnalyzer>` section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<mapRepository>` node.

```
<!-- MAP STATUS SERVICE
      Resolves map status for a given map/tree definition.
-->
<mapStatusService type="Sitecore.PathAnalyzer.Data.MapStatusService,
Sitecore.PathAnalyzer">
  <param desc="mapItemRepository" ref="pathAnalyzer/mapItemRepository" />
  <param desc="mapItemDeploymentManager"
ref="pathAnalyzer/mapItemDeploymentManager" />
  <param desc="resourceManager" ref="pathAnalyzer/resourceManager" />
  <param desc="definitionService" ref="pathAnalyzer/definitionService" />
</mapStatusService>

<!-- NODE FILTER FACTORY -->
<nodeFilterFactory
type="Sitecore.PathAnalyzer.TreeConversions.NodeFilterFactory, Sitecore.PathAnalyzer">
  <param desc="itemRepository" ref="pathAnalyzer/itemRepository" />
  <param desc="configuration" ref="pathAnalyzer/configuration" />
</nodeFilterFactory>

<!-- NODE GROUPING FACTORY -->
<nodeGroupingFactory
type="Sitecore.PathAnalyzer.TreeConversions.NodeGroupingFactory, Sitecore.PathAnalyzer">
  <param desc="configuration" ref="pathAnalyzer/configuration" />
  <param desc="itemRepository" ref="pathAnalyzer/itemRepository" />
</nodeGroupingFactory>
```

9. In the `<sitecore><pathAnalyzer>` section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<pruningConfiguration>` node.

```
<!-- RESOURCE MANAGER
      This service is used to retrieve translated strings from the Path Analyzer
dictionary
-->
<resourceManager type="Sitecore.PathAnalyzer.Localization.ResourceManager,
Sitecore.PathAnalyzer" singleInstance="true" />

<!-- PRIMARY STORAGE
      This service is used to perform CRUD operations against a specific map data
store. e.g. SQL Server.
-->
<primaryStorage type="Sitecore.PathAnalyzer.Data.Storage.SqlStorage,
Sitecore.PathAnalyzer">
  <param desc="connectionString">reporting</param>
</primaryStorage>

<!-- SECONDARY STORAGE
      This service is used to perform CRUD operations against a specific map data
store. e.g. SQL Server.
-->
<secondaryStorage type="Sitecore.PathAnalyzer.Data.Storage.SqlStorage,
Sitecore.PathAnalyzer">
  <param desc="connectionString">reporting.secondary</param>
</secondaryStorage>
<!-- TREE STORAGE MANAGER
      Responsible for maintaining tree storage state.
```

```
-->
<treeStorageManager type="Sitecore.PathAnalyzer.Data.Storage.TreeStorageManager,
Sitecore.PathAnalyzer">
  <Stores hint="list:AddTreeStore">
    <primary ref="pathAnalyzer/primaryStorage" />
    <secondary ref="pathAnalyzer/secondaryStorage" />
  </Stores>
</treeStorageManager>
```

10. In the `<sitecore><pathAnalyzer>` section, remove the following node:

```
<!-- PROPERTY STORE
      This service provides access to RDB's Properties table that stores all
      utility information related to tree construction.
-->
<propertyStore type="Sitecore.PathAnalyzer.Processing.SqlPropertyStore,
Sitecore.PathAnalyzer" singleInstance="true">
  <param desc="connectionString">reporting</param>
</propertyStore>

<!-- STORAGE
      This service is used to perform CRUD operations against a specific map data
      store. e.g. SQL Server.
-->
<storage type="Sitecore.PathAnalyzer.Data.Storage.SqlStorage,
Sitecore.PathAnalyzer" />
```

11. In the `<sitecore><pathAnalyzer>` section, remove the following node:

```
<!-- SOURCE DATA READER
      This service is responsible for retrieving source data from the xDB.
-->
<sourceDataReader
type="Sitecore.PathAnalyzer.Data.DataReaders.InteractionDataReader, Sitecore.PathAnalyzer" />
```

12. In the beginning of the `<models>` section, add the following node:

```
<xNode type="Sitecore.PathAnalyzer.Data.Models.ExperienceNode,
Sitecore.PathAnalyzer" />
<xTree type="Sitecore.PathAnalyzer.Data.Models.ExperienceTree,
Sitecore.PathAnalyzer" />
```

13. In the `<models>` section, remove the following node:

```
<pageTree type="Sitecore.PathAnalyzer.Data.Models.PageTree,
Sitecore.PathAnalyzer" />
```

14. Before the `<pipelines>` section, add the following node:

```
<!-- APP DEPENDENCIES -->
<appDependencies>
  <xdb>
    <app id="{C15CD34F-C772-4B34-84D7-D04E61D72FDB}" name="PathAnalyzer" />
  </xdb>
</appDependencies>
```

15. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<initialize>` node.

```
<!-- EVALUATE CONTACT
      When a tree is being constructed, relevant contacts may be added to each
      tree node. This pipeline determines whether or not a contact is relevant and
      therefore whether or not the contact should be added to the tree node being
      processed. NOTE: the PathAnalyzer.MaxStoredContacts setting determines
      how many relevant contacts can be added to a tree node.
-->
<group groupName="PathAnalyzer.Construction">
  <pipelines>
    <evaluateContact>
      <processor
type="Sitecore.PathAnalyzer.Pipelines.EvaluateContact.IsContactIdentified,
Sitecore.PathAnalyzer" />
      <processor
type="Sitecore.PathAnalyzer.Pipelines.EvaluateContact.MeetsVisitCountThreshold,
Sitecore.PathAnalyzer">
        <VisitCountThreshold>2</VisitCountThreshold>
```

Sitecore Configuration File Changes

```
        </processor>
      </processor>
    type="Sitecore.PathAnalyzer.Pipelines.EvaluateContact.MeetsValueThreshold,
    Sitecore.PathAnalyzer">
      <ValueThreshold>100</ValueThreshold>
    </processor>
  </evaluateContact>
</pipelines>
</group>
```

Changes to App_Config\Include\Sitecore.PathAnalyzer.Processing.config

To upgrade your App_Config\Include\Sitecore.PathAnalyzer.Processing.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. At the beginning of the <sitecore> section, add the following node:

```
<pipelines>
  <group groupName="analytics.aggregation">
    <pipelines>
      <interactions>
        <processor
type="Sitecore.PathAnalyzer.Pipelines.Interactions.TreeProcessor, Sitecore.PathAnalyzer">
          <LivePool ref="aggregationProcessing/processingPools/pathAnalyzerLive"
/>
          <HistoryPool
ref="aggregationProcessing/processingPools/pathAnalyzerHistory" />
        </processor>
      </interactions>
    </pipelines>
  </group>
</pipelines>
```

2. At the beginning of the <pathAnalyzer> section, add the following node:

```
<mapWorker type="Sitecore.PathAnalyzer.Processing.Aggregation.MapWorker,
Sitecore.PathAnalyzer" />
<newMapAggregator type="Sitecore.PathAnalyzer.Processing.TreeAggregator,
Sitecore.PathAnalyzer" singleInstance="true">
  <Context ref="aggregation/aggregationContexts/pathAnalyzer/live" />
  <DateTimeStrategy ref="aggregation/dateTimePrecisionStrategy" />
</newMapAggregator>
```

3. In the <BackgroundServices><newMap> section, change the interval to:

```
<Interval>0.00:01:00</Interval>
```

4. In the <pathAnalyzer><BackgroundServices> section, remove the following nodes:

```
<dailyMap type="Sitecore.Analytics.Core.BackgroundService">
  <param desc="agentName">pathAnalyzer/dailyMapAgent</param>
  <Interval>0.00:10:00</Interval>
  <MaxThreads>1</MaxThreads>
</dailyMap>
```

5. In the <pathAnalyzer><subsystem><BackgroundServices> section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <smartMerge> node.

```
<liveAgent type="Sitecore.Analytics.Core.BackgroundService">
  <param desc="agentName">aggregation/pathAnalyzerLiveAgent</param>
  <Interval>0.00:00:15</Interval>
  <MaxThreads>1</MaxThreads>
</liveAgent>
<historyAgent type="Sitecore.Analytics.Core.BackgroundService">
  <param desc="agentName">aggregation/pathAnalyzerHistoryAgent</param>
  <Interval>0.00:01:00</Interval>
  <MaxThreads>1</MaxThreads>
</historyAgent>
<trailCleanup type="Sitecore.Analytics.Core.BackgroundService">
  <param desc="agentName">pathAnalyzer/trailCleanupAgent</param>
  <Interval>0.00:05:00</Interval>
  <MaxThreads>1</MaxThreads>
```

```

</trailCleanup>
<mapRebuildStatusChecker type="Sitecore.Analytics.Core.BackgroundService">
  <param desc="agentName">pathAnalyzer/mapRebuildStatusCheckerAgent</param>
  <Interval>0.00:01:00</Interval>
  <MaxThreads>1</MaxThreads>
</mapRebuildStatusChecker>

```

6. In the `<pathAnalyzer>` section, remove the following node:

```

<!-- DAILY MAP AGENT
      This agent is responsible for creating maps from relevant visit data on a
daily basis.
-->
<dailyMapAgent type="Sitecore.PathAnalyzer.Processing.Agents.DailyMapAgent,
Sitecore.PathAnalyzer"/>

```

7. In the end of the `<pathAnalyzer>` section, add the following nodes:

```

<!-- TRAIL CLEANUP AGENT
      This agent is responsible for truncating the Trail PathAnalyzer table in
the corresponding
instance of ITreeStorage that is passed via TreeStores child element.
-->
<trailCleanupAgent
type="Sitecore.PathAnalyzer.Processing.Agents.TrailCleanupAgent, Sitecore.PathAnalyzer">
  <BatchSize>8096</BatchSize>
  <DaysToKeep>3</DaysToKeep>
  <TreeStores hint="list:AddTreeStore">
    <primary ref="pathAnalyzer/primaryStorage" />
    <secondary ref="pathAnalyzer/secondaryStorage" />
  </TreeStores>
</trailCleanupAgent>
<!-- MAP REBUILD STATUS CHECKER AGENT
      This agent is responsible for checking and updating the build status of
map definitions.
-->
<mapRebuildStatusCheckerAgent
type="Sitecore.PathAnalyzer.Processing.Agents.MapRebuildStatusCheckerAgent,
Sitecore.PathAnalyzer">
  <TreeDefinitionStores hint="list:AddDefinitionStore">
    <primary ref="pathAnalyzer/definitionStorage" />
    <secondary ref="pathAnalyzer/definitionStorageSecondary" />
  </TreeDefinitionStores>
</mapRebuildStatusCheckerAgent>

```

8. After the `<pathAnalyzer>` section, add the following nodes:

```

<aggregationProcessing>
  <processingPools>
    <pathAnalyzerLive type="Sitecore.PathAnalyzer.Processing.ProcessingPool,
Sitecore.PathAnalyzer" singleInstance="true" >
      <param desc="connectionStringName">tracking.live</param>
      <param desc="collectionName">PathAnalyzerProcessingPool</param>
      <DuplicateKeyStrategy>AllowAndMerge</DuplicateKeyStrategy>
      <Name>trees</Name>
      <Enabled>true</Enabled>
    </pathAnalyzerLive>
    <pathAnalyzerHistory type="Sitecore.PathAnalyzer.Processing.ProcessingPool,
Sitecore.PathAnalyzer" singleInstance="true" >
      <param desc="connectionStringName">tracking.history</param>
      <param desc="collectionName">PathAnalyzerProcessingPool</param>
      <DuplicateKeyStrategy>AllowAndMerge</DuplicateKeyStrategy>
      <Name>trees</Name>
      <Enabled>true</Enabled>
    </pathAnalyzerHistory>
  </processingPools>
</aggregationProcessing>
<aggregation>
  <aggregationContexts>
    <pathAnalyzer>
      <live type="Sitecore.PathAnalyzer.Processing.TreeAggregationContext,
Sitecore.PathAnalyzer">
        <Pool ref="aggregationProcessing/processingPools/pathAnalyzerLive" />
        <Source ref="aggregation/collectionData" />
        <TreeDefinitionStores hint="list:AddDefinitionStore">
          <primary ref="pathAnalyzer/definitionStorage" />
          <secondary ref="pathAnalyzer/definitionStorageSecondary" />
        </TreeDefinitionStores>
      </live>
    </pathAnalyzer>
  </aggregationContexts>
</aggregation>

```

Sitecore Configuration File Changes

```
</TreeDefinitionStores>
<TreeStores hint="list:AddTreeStore">
  <primary ref="pathAnalyzer/primaryStorage" />
  <secondary ref="pathAnalyzer/secondaryStorage" />
</TreeStores>
</live>
<history type="Sitecore.PathAnalyzer.Processing.TreeAggregationContext,
Sitecore.PathAnalyzer">
  <Pool ref="aggregationProcessing/processingPools/pathAnalyzerHistory" />
  <Source ref="aggregation/collectionData" />
  <TreeDefinitionStores hint="list:AddDefinitionStore">
    <primary ref="pathAnalyzer/definitionStorage" />
    <secondary ref="pathAnalyzer/definitionStorageSecondary" />
  </TreeDefinitionStores>
  <TreeStores hint="list:AddTreeStore">
    <secondary ref="pathAnalyzer/secondaryStorage" />
  </TreeStores>
</history>
</pathAnalyzer>
</aggregationContexts>

<pathAnalyzerLiveAgent
type="Sitecore.PathAnalyzer.Processing.Agents.TreeAggregatorAgent, Sitecore.PathAnalyzer">
  <Aggregator type="Sitecore.PathAnalyzer.Processing.TreeAggregator,
Sitecore.PathAnalyzer" singleInstance="true">
    <Mode>Live</Mode>
  </Aggregator>
  <Context ref="aggregation/aggregationContexts/pathAnalyzer/live" />
  <DateTimeStrategy ref="aggregation/dateTimePrecisionStrategy" />
  <MaximumBatchSize>128</MaximumBatchSize>
</pathAnalyzerLiveAgent>

<pathAnalyzerHistoryAgent
type="Sitecore.PathAnalyzer.Processing.Agents.TreeAggregatorAgent, Sitecore.PathAnalyzer">
  <Aggregator type="Sitecore.PathAnalyzer.Processing.TreeAggregator,
Sitecore.PathAnalyzer" singleInstance="true">
    <Mode>Historic</Mode>
  </Aggregator>
  <Context ref="aggregation/aggregationContexts/pathAnalyzer/history" />
  <DateTimeStrategy ref="aggregation/dateTimePrecisionStrategy" />
  <MaximumBatchSize>128</MaximumBatchSize>
</pathAnalyzerHistoryAgent>
</aggregation>
```

Changes to App_Config\Include\Sitecore.PathAnalyzer.Services.config

To upgrade your App_Config\Include\Sitecore.PathAnalyzer.Services.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. At the beginning of the <sitecore> section, add the following node:

```
<settings>
  <!-- PATH ANALYZER - CACHING - RESPONSE CACHE EXPIRATION
    Sets the absolute expiration on cached controller response data.
    A value of 00:00:00 disables automatic expiration.

    Default value: 00:01:00 (1 minute)
  -->
  <setting name="PathAnalyzer.Caching.ResponseCacheExpiration" value="00:01:00" />
</settings>
```

2. In the <pipelines><initialize> section, remove the following nodes:

```
<processor
type="Sitecore.PathAnalyzer.Services.Pipelines.Initialize.RegisterHttpRoutes,
Sitecore.PathAnalyzer.Services" />
<processor
type="Sitecore.PathAnalyzer.Services.Pipelines.Initialize.RegisterFormatters,
Sitecore.PathAnalyzer.Services" />
<processor
type="Sitecore.PathAnalyzer.Services.Pipelines.Initialize.RegisterFilters,
Sitecore.PathAnalyzer.Services" />
<processor
type="Sitecore.PathAnalyzer.Services.Pipelines.Initialize.RegisterModelBinding,
Sitecore.PathAnalyzer.Services" />
```

```

    <processor
type="Sitecore.PathAnalyzer.Services.Pipelines.Initialize.RegisterHttpControllerActivator,
Sitecore.PathAnalyzer.Services" />

```

3. In the `<pipelines><initialize>` section, add the following processor:

```

    <processor
type="Sitecore.PathAnalyzer.Services.Pipelines.Initialize.WebApiInitializer,
Sitecore.PathAnalyzer.Services" />

```

4. At the beginning of the `<sitecore><pathAnalyzer>` section, add the following node:

```

<!-- CONFIGURATION
    Responsible for managing global configuration of Path Analyzer Web API
    (e.g. routes, filters, model binding, etc...)
-->
<apiConfiguration
type="Sitecore.PathAnalyzer.Services.Configuration.ApiConfiguration" singleInstance="true">
    <param desc="settings" ref="pathAnalyzer/apiSettings" />
</apiConfiguration>

<!-- API SETTINGS
    Responsible for providing access to settings.
-->
<apiSettings type="Sitecore.PathAnalyzer.Services.Configuration.Settings"
singleInstance="true" />

<!-- NODE FACTORY
    A factory used to construct the various node types returned by the Path
    Analyzer Web API controllers.
-->
<nodeFactory type="Sitecore.PathAnalyzer.Services.Data.NodeFactory,
Sitecore.PathAnalyzer.Services" singleInstance="true">
    <param desc="itemRepository" ref="pathAnalyzer/itemRepository" />
    <param desc="resourceManager" ref="pathAnalyzer/resourceManager" />
</nodeFactory>

<!-- PATH SET BUILDER
    Responsible for building PathSet objects consumed by Path Analyzer
    clients.
-->
<pathSetBuilder type="Sitecore.PathAnalyzer.Services.Response.PathSetBuilder,
Sitecore.PathAnalyzer.Services">
    <param desc="itemRepository" ref="pathAnalyzer/itemRepository" />
    <param desc="nodeFactory" ref="pathAnalyzer/nodeFactory" />
</pathSetBuilder>

<!-- REPORT SERVICE
    Responsible for retrieving registered reports from the system and running
    those on a given tree.
-->
<reportService type="Sitecore.PathAnalyzer.Reports.ReportService,
Sitecore.PathAnalyzer" />

<!-- REPORT SET BUILDER
    Responsible for building ReportSet objects consumed by Path Analyzer
    clients.
-->
<reportSetBuilder
type="Sitecore.PathAnalyzer.Services.PathExplorer.Reports.ReportSetBuilder,
Sitecore.PathAnalyzer.Services">
    <param desc="nodeFactory" ref="pathAnalyzer/nodeFactory" />
    <param desc="reportService" ref="pathAnalyzer/reportService" />
</reportSetBuilder>

<!-- RESPONSE CACHE
    Responsible for caching various Path Analyzer controller output.
-->
<responseCache type="Sitecore.PathAnalyzer.Services.Caching.ResponseCache,
Sitecore.PathAnalyzer.Services" singleInstance="true">
    <param desc="setting" ref="pathAnalyzer/apiSettings" />
</responseCache>

```

5. At the end of the `<sitecore><pathAnalyzer>` section, add the following node:

```

<!-- TREE SERVICE

```

Sitecore Configuration File Changes

A facade service used by the Path Analyzer Web API controllers for retrieving, filtering and grouping map data.

```
-->
<treeService type="Sitecore.PathAnalyzer.Services.Data.TreeService,
Sitecore.PathAnalyzer.Services" singleInstance="true">
  <param desc="treeManager" ref="pathAnalyzer/treeManager" />
  <param desc="nodeGroupingFactory" ref="pathAnalyzer/nodeGroupingFactory" />
  <param desc="nodeFilterFactory" ref="pathAnalyzer/nodeFilterFactory" />
  <param desc="resourceManager" ref="pathAnalyzer/resourceManager" />
</treeService>
```

6. At the beginning of the <sitecore><controllers> section, add the following controller:

```
<controller
type="Sitecore.PathAnalyzer.Services.Controllers.AuthenticationController,
Sitecore.PathAnalyzer.Services" />
```

7. In the <sitecore><controllers> section, replace the "Sitecore.PathAnalyzer.Services.Controllers.PathsController" controller with the following:

```
<!-- PATHS CONTOLLER
A Web API controller with actions related to retrieving path data.
-->
<controller type="Sitecore.PathAnalyzer.Services.Controllers.PathsController,
Sitecore.PathAnalyzer.Services">
  <param desc="treeService" ref="pathAnalyzer/treeService" />
  <param desc="pathSetBuilder" ref="pathAnalyzer/pathSetBuilder" />
  <param desc="cache" ref="pathAnalyzer/responseCache" />
</controller>
```

8. In the <sitecore><controllers> section, replace the "Sitecore.PathAnalyzer.Services.Controllers.ContactsByPathController, Sitecore.PathAnalyzer.Services" controller with the following:

```
<!-- CONTACTS BY PATH CONTOLLER
A Web API controller with actions related to retrieving contacts based on a
particular path.
-->
<controller
type="Sitecore.PathAnalyzer.Services.Controllers.ContactsByPathController,
Sitecore.PathAnalyzer.Services">
  <param desc="treeService" ref="pathAnalyzer/treeService" />
  <param desc="contactReader" ref="pathAnalyzer/contactReader" />
  <param desc="cache" ref="pathAnalyzer/responseCache" />
</controller>
```

9. In the <sitecore><controllers> section, replace the "Sitecore.PathAnalyzer.Services.Controllers.TreeController" controller with the following:

```
<!-- TREE CONTOLLER
A Web API controller with actions related to retrieving map data.
-->
<controller type="Sitecore.PathAnalyzer.Services.Controllers.TreeController,
Sitecore.PathAnalyzer.Services">
  <param desc="treeService" ref="pathAnalyzer/treeService" />
  <param desc="nodeFactory" ref="pathAnalyzer/nodeFactory" />
  <param desc="cache" ref="pathAnalyzer/responseCache" />
</controller>
```

10. In the <sitecore><controllers> section, replace the "Sitecore.PathAnalyzer.Services.PathExplorer.Controllers.ExplorerController" controller with the following:

```
<!-- EXPLORER CONTOLLER
A Web API controller with actions related to retrieving map and report
data for the
Path Analyzer Silverlight application.
-->
<controller
type="Sitecore.PathAnalyzer.Services.PathExplorer.Controllers.ExplorerController,
Sitecore.PathAnalyzer.Services">
  <param desc="treeService" ref="pathAnalyzer/treeService" />
  <param desc="nodeFactory" ref="pathAnalyzer/nodeFactory" />
```

```
<param desc="reportSetBuilder" ref="pathAnalyzer/reportSetBuilder" />
<param desc="cache" ref="pathAnalyzer/responseCache" />
</controller>
```

11. In the `<sitecore><controllers>` section, add the following controller:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `"Sitecore.PathAnalyzer.Services.PathExplorer.Controllers.ExplorerController" controller`.

```
<!-- TREE DEFINITION CONTROLLER
      A Web API controller with actions related to retrieving tree definition
data.
-->
<controller
type="Sitecore.PathAnalyzer.Services.Controllers.TreeDefinitionController,
Sitecore.PathAnalyzer.Services">
  <param desc="definitionService" ref="pathAnalyzer/definitionService" />
  <param desc="mapStatusService" ref="pathAnalyzer/mapStatusService" />
  <param desc="cache" ref="pathAnalyzer/responseCache" />
</controller>
```

12. In the `<services><configuration><allowedControllers>` section, add the following `allowedController`:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed before the `<allowedController desc="PA_ExplorerController">` `allowedController`.

```
<allowedController
desc="PA AuthenticationController">Sitecore.PathAnalyzer.Services.Controllers.AuthenticationCo
ntroller, Sitecore.PathAnalyzer.Services</allowedController>
```

13. At the end of `<configuration><allowedControllers>` section, add the following `allowedController`:

```
<allowedController
desc="PA_TreeDefinitionController">Sitecore.PathAnalyzer.Services.Controllers.TreeDefinitionCo
ntroller, Sitecore.PathAnalyzer.Services</allowedController>
```

Changes to

App_Config\Include\Sitecore.PathAnalyzer.Services.RemoteServer.config.disabled

To upgrade your `App_Config\Include\Sitecore.PathAnalyzer.Services.RemoteServer.config.disabled` configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the `<pathAnalyzer>` section, remove the following node:

```
<propertyStore type="Sitecore.PathAnalyzer.Processing.SqlPropertyStore,
Sitecore.PathAnalyzer" singleInstance="true">
  <param desc="connectionString">reporting</param>
</propertyStore>
```

2. Remove the following nodes:

```
<!-- PIPELINES -->
<pipelines>
  <initialize>
    <processor
type="Sitecore.PathAnalyzer.Services.Pipelines.Initialize.RegisterRemoteFilters,
Sitecore.PathAnalyzer.Services" patch:after="processor[@type =
'Sitecore.PathAnalyzer.Services.Pipelines.Initialize.RegisterFilters,
Sitecore.PathAnalyzer.Services']" />
  </initialize>
</pipelines>
```

```
<param desc="propertyStore" ref="pathAnalyzer/propertyStore" />
```


Sitecore Configuration File Changes

3. In the end of the `<controllers><controller type="Sitecore.PathAnalyzer.Services.Controllers.RemoteAdminController, Sitecore.PathAnalyzer.Services"> node`, add the following node:

```
<param desc="treeDefinitionService" ref="pathAnalyzer/definitionService" />
```

Changes to App_Config\Include\Sitecore.Speak.Applications.config

To upgrade your `App_Config\Include\Sitecore.Speak.Applications.config` configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the end of the `<pipelines>` section, add the following node:

```
<speak.client.initialize.layout>  
  <processor mode="on"  
type="Sitecore.Speak.Applications.Pipelines.InitializeLayout.AuthorizeXdbAccess,  
Sitecore.Speak.Applications"/>  
</speak.client.initialize.layout>
```

2. After the `<pipelines>` section, add the following node:

```
<appDependencies>  
  <xdb>  
  </xdb>  
</appDependencies>
```

Changes to App_Config\Include\Sitecore.Speak.config

To upgrade your `App_Config\Include\Sitecore.Speak.config` configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the `<settings>` section, replace the `"Speak.Html.RequireJsMainFile"` setting with the following:

```
<!-- SPEAK HTML REQUIRE JS MAIN FILE  
  Specifies the path of the main.js version SPEAK 2.0 file which configures  
Require.js.  
  Default: /-/speak/v1/assets/main-2.0.js  
-->  
<setting name="Speak.Html.RequireJsMainFile" value="/-/speak/v1/assets/main-  
2.0.js"/>
```

2. In the `<settings>` section, replace the `"Speak.Html.RequireJsMainFileMinified"` setting with the following:

```
<!-- SPEAK HTML REQUIRE JS MAIN FILE  
  Specifies the path of the minified SPEAK version for 2.0 of main.js file  
which configures Require.js.  
  Default: /-/speak/v1/assets/main-2.0.min.js  
-->  
<setting name="Speak.Html.RequireJsMainFileMinified" value="/-  
/speak/v1/assets/main-2.0.min.js"/>
```

3. In the `<settings>` section, replace the `"Speak.Html.BindingPluginFile"` setting with the following:

```
<!-- SPEAK BINDING JS FILE  
  Specifies the path of the binding plugin required by SPEAK to apply  
bindings.  
  Default:  
/sitecore/shell/client/Speak/Assets/lib/core/2.0/deps/scBindingPlugin.js  
-->  
<setting name="Speak.Html.BindingPluginFile"  
value="/sitecore/shell/client/Speak/Assets/lib/core/2.0/deps/scBindingPlugin.js"/>
```

4. In the `<settings>` section, replace the `"Speak.Html.BindingPluginFileMinified"` setting with the following:

```
<!-- SPEAK BINDING JS FILE MINIFIED  
  Specifies the path of the binding plugin minified required by SPEAK to  
apply bindings.
```

```

Default:
/sitecore/shell/client/Speak/Assets/lib/core/2.0/deps/scBindingPlugin.min.js
-->
<setting name="Speak.Html.BindingPluginFileMinified"
value="/sitecore/shell/client/Speak/Assets/lib/core/2.0/deps/scBindingPlugin.min.js"/>

```

5. In the `<pipelines>` section, remove the following node:

```

<speak.client.addBinding>
  <processor type="Sitecore.Web.Pipelines.AddBindings.AddConverterBinding,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.AddBindings.AddSimpleBinding,
Sitecore.Speak.Client" />
</speak.client.addBinding>

<speak.client.getClick>
  <processor type="Sitecore.Web.Pipelines.GetClick.HandleClick,
Sitecore.Speak.Client" />
</speak.client.getClick>

<speak.client.getControlId>
  <processor type="Sitecore.Web.Pipelines.GetControlId.HandleEmptyControlId,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetControlId.HandleInvalidId,
Sitecore.Speak.Client" />
</speak.client.getControlId>

<speak.client.getOverlays>
  <processor type="Sitecore.Web.Pipelines.GetOverlays.GetWebConfigOverlays,
Sitecore.Speak.Client">
    <!--
    Example of how to add <overlay> definitions:
    <overlays hint="raw:AddOverlay">
      <overlay url="/sitecore/shell/client/Speak/Assets/Overlay.js" />
    </overlays>
    -->
  </processor>
</speak.client.getOverlays>

<speak.client.getPageScripts>
  <processor type="Sitecore.Web.Pipelines.GetPageScripts.GetFileNames,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageScripts.Minify,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageScripts.BuildScripts,
Sitecore.Speak.Client" />
</speak.client.getPageScripts>

<speak.client.getPageStylesheets>
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.GetFileNames,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.GetTheme,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.GetSubthemes,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.Minify,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetPageStylesheets.BuildStylesheets,
Sitecore.Speak.Client" />
</speak.client.getPageStylesheets>

<speak.client.getStyle>
  <processor type="Sitecore.Web.Pipelines.GetStyle.Margin,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetStyle.Padding,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetStyle.Border,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.GetStyle.IsVisible,
Sitecore.Speak.Client" />
</speak.client.getStyle>

<speak.client.initialize.layout>
  <processor type="Sitecore.Web.Pipelines.InitializeSpeakLayout.CheckUserAccess,
Sitecore.Speak.Client" />
  <processor type="Sitecore.Web.Pipelines.InitializeSpeakLayout.SetDisplayMode,
Sitecore.Speak.Client" />

```

Sitecore Configuration File Changes

```
<processor
type="Sitecore.Web.Pipelines.InitializeSpeakLayout.SetAntiForgeryToken, Sitecore.Speak.Client"
/>
  <processor
type="Sitecore.Web.Pipelines.InitializeSpeakLayout.DisableAnalytics, Sitecore.Speak.Client" />
  </speak.client.initialize.layout>

  <speak.client.parseRenderingParameter>
    <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseDataBinding,
Sitecore.Speak.Client" />
    <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseContextItemValue,
Sitecore.Speak.Client" />
    <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseFormValue,
Sitecore.Speak.Client" />
    <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseQueryStringValue,
Sitecore.Speak.Client" />
    <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseSessionValue,
Sitecore.Speak.Client" />
    <processor type="Sitecore.Web.Pipelines.SetAttribute.ParseAppModelValue,
Sitecore.Speak.Client" />
    <processor type="Sitecore.Web.Pipelines.SetAttribute.ParsePageModelValue,
Sitecore.Speak.Client" />
  </speak.client.parseRenderingParameter>

  <speak.client.resolveRequire>
    <processor type="Sitecore.Web.Pipelines.ResolveRequire.CustomHandler,
Sitecore.Speak.Client" />
  </speak.client.resolveRequire>

  <speak.logout argsType="Sitecore.Pipelines.Logout.LogoutArgs">
    <processor mode="on" type="Sitecore.Pipelines.Logout.ClearCache,
Sitecore.Kernel"/>
    <processor mode="on" type="Sitecore.Pipelines.Logout.ClearSession,
Sitecore.Kernel"/>
    <processor mode="on" type="Sitecore.Pipelines.Logout.RemoveTicket,
Sitecore.Kernel"/>
  </speak.logout>
```

Changes to App_Config\Include\Sitecore.Xdb.Remote.Client.config.disabled

To upgrade your App_Config\Include\Sitecore.Xdb.Remote.Client.config.disabled configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. At the end of the <reporting><remote><paths> section, add the following node:

```
<ReportingStorageManager>/~/v81/reporting/reportingstoragemanager/</ReportingStorageManager>
```

2. Replace the <marketingDefinitions><deploymentManager> node with the following:

```
<deploymentManagerTargetRepository>remote</deploymentManagerTargetRepository>
<sc.variable name="marketingDefinitions.deploymentManager.targetRepository">
  <patch:attribute name="value">remote</patch:attribute>
</sc.variable>
```

3. Replace the <marketingDefinitions><campaign><repositories><remote> node with the following:

```
<remote
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Remote.CampaignRemoteDefinitionRepository, Sitecore.Analytics" singleInstance="true">
  <param desc="httpTransport" ref="httpTransportFactory" />
  <param desc="handler">/~/v80/marketingdefinitions/remote/campaign/</param>
</remote>
```

4. Replace the <marketingDefinitions><goal><repositories><remote> node with the following:

```
<remote
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Remote.GoalRemoteDefinitionRepository, Sitecore.Analytics" singleInstance="true">
  <param desc="httpTransport" ref="httpTransportFactory" />
  <param desc="handler">/~/v80/marketingdefinitions/remote/goal/</param>
</remote>
```

- Replace the `<outcome><repositories><remote>` node with the following:

```
<remote
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Remote.OutcomeRemoteDefinitionRepository, Sitecore.Analytics" singleInstance="true">
  <param desc="httpTransport" ref="httpTransportFactory" />
  <param desc="handler">/~/v80/marketingdefinitions/remote/outcome/</param>
</remote>
```

- Replace the `<taxonomy><deployHandler`
`type="Sitecore.Marketing.Taxonomy.Deploy.HttpDeployHandler">` node with the following:

```
<deployHandler
type="Sitecore.Analytics.Reporting.DefinitionData.Taxonomy.Deployment.HttpDeployHandler, Sitecore.Analytics" singleInstance="true">
  <param desc="httpTransport" ref="httpTransportFactory"/>
  <param desc="publishPath">/~/v80/publish/taxonomy/</param>
</deployHandler>
```

Changes to App_Config\Include\Sitecore.Xdb.Remote.Server.config.disabled

To upgrade your `App_Config\Include\Sitecore.Xdb.Remote.Server.config.disabled` configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

- In the `<customHandlers>` section, replace the following handlers:

```
<handler trigger="/~/v80/publish/taxonomy/"
type="Sitecore.Marketing.Taxonomy.Deploy.TaxonomyDeployRequestHandler, Sitecore.Marketing" />

<!-- remote definition handlers to receive requests from remote repositories -->
<handler trigger="/~/v80/marketingdefinitions/remote/campaign"
type="Sitecore.Marketing.Definitions.Campaigns.Data.Remote.CampaignRemoteDefinitionHandler, Sitecore.Marketing" />
<handler trigger="/~/v80/marketingdefinitions/remote/goal"
type="Sitecore.Marketing.Definitions.Goals.Data.Remote.GoalRemoteDefinitionHandler, Sitecore.Marketing" />
<handler trigger="/~/v80/marketingdefinitions/remote/outcome"
type="Sitecore.Marketing.Definitions.Outcomes.Data.Remote.OutcomeRemoteDefinitionHandler, Sitecore.Marketing" />
```

with

```
<handler trigger="/~/v81/reporting/reportingstoragemanager/"
type="Sitecore.Analytics.Aggregation.History.Remoting.ReportingStorageManagerHandler, Sitecore.Analytics.Aggregation" />
<handler trigger="/~/v80/publish/taxonomy/"
type="Sitecore.Analytics.Reporting.DefinitionData.Taxonomy.Deployment.TaxonomyDeployRequestHandler, Sitecore.Analytics" />

<!-- remote definition handlers to receive requests from remote repositories -->
<handler trigger="/~/v80/marketingdefinitions/remote/campaign"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Remote.CampaignRemoteDefinitionHandler, Sitecore.Analytics" />
<handler trigger="/~/v80/marketingdefinitions/remote/goal"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Remote.GoalRemoteDefinitionHandler, Sitecore.Analytics" />
<handler trigger="/~/v80/marketingdefinitions/remote/outcome"
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Remote.OutcomeRemoteDefinitionHandler, Sitecore.Analytics" />
```

- In the `<taxonomy>` section, remove the following node:

```
<knownManagers>
  <campaignGroupTaxonomyManager
type="Sitecore.Marketing.Taxonomy.CampaignGroupTaxonomyManager, Sitecore.Marketing.Taxonomy" singleInstance="true">
    <param desc="repository">
      <patch:attribute
name="ref">taxonomy/repositories/rdbTaxonomyRepository</patch:attribute>
    </param>
  </campaignGroupTaxonomyManager>
```

Sitecore Configuration File Changes

```
        <channelTaxonomyManager
type="Sitecore.Marketing.Taxonomy.ChannelTaxonomyManager, Sitecore.Marketing.Taxonomy"
singleInstance="true">
    <param desc="repository">
        <patch:attribute
name="ref">taxonomy/repositories/rdbTaxonomyRepository</patch:attribute>
    </param>
    </channelTaxonomyManager>

        <assetTaxonomyManager type="Sitecore.Marketing.Taxonomy.AssetTaxonomyManager,
Sitecore.Marketing.Taxonomy" singleInstance="true">
    <param desc="repository">
        <patch:attribute
name="ref">taxonomy/repositories/rdbTaxonomyRepository</patch:attribute>
    </param>
    </assetTaxonomyManager>
</knownManagers>

        <customTaxonomyManager type="Sitecore.Marketing.Taxonomy.CustomTaxonomyManager,
Sitecore.Marketing.Taxonomy" singleInstance="true">
    <param desc="repository">
        <patch:attribute
name="ref">taxonomy/repositories/rdbTaxonomyRepository</patch:attribute>
    </param>
    </customTaxonomyManager>
```

3. At the beginning of the <taxonomy> section, add the following node:

```
<sc.variable name="taxonomy.repository">
    <patch:attribute name="value">rdbTaxonomyRepository</patch:attribute>
</sc.variable>
```

4. In the <marketingDefinitions> section, remove the following node:

```
        <campaign
definitionInterface="Sitecore.Marketing.Definitions.Campaigns.ICampaignActivityDefinition,
Sitecore.Marketing">
    <definitionManager
type="Sitecore.Marketing.Definitions.Campaigns.CampaignDefinitionManager, Sitecore.Marketing"
singleInstance="true">
        <param desc="repository">
            <patch:attribute
name="ref">marketingDefinitions/campaign/repositories/rdb</patch:attribute>
        </param>
    </definitionManager>
</campaign>

        <goal definitionInterface="Sitecore.Marketing.Definitions.Goals.IGoalDefinition,
Sitecore.Marketing">
    <definitionManager
type="Sitecore.Marketing.Definitions.Goals.GoalDefinitionManager, Sitecore.Marketing"
singleInstance="true">
        <param desc="repository">
            <patch:attribute
name="ref">marketingDefinitions/goal/repositories/rdb</patch:attribute>
        </param>
    </definitionManager>
</goal>

        <outcome
definitionInterface="Sitecore.Marketing.Definitions.Outcomes.Model.IOutcomeDefinition,
Sitecore.Marketing">
    <definitionManager
type="Sitecore.Marketing.Definitions.Outcomes.OutcomeDefinitionManager, Sitecore.Marketing"
singleInstance="true">
        <param desc="repository">
            <patch:attribute
name="ref">marketingDefinitions/outcome/repositories/rdb</patch:attribute>
        </param>
    </definitionManager>
</outcome>
```

5. At the beginning of the <marketingDefinitions> section, add the following node:

```
<sc.variable name="marketingDefinitions.isReadOnly">
    <patch:attribute name="value">true</patch:attribute>
</sc.variable>
```

```
<sc.variable name="marketingDefinitions.repository">  
  <patch:attribute name="value">rdb</patch:attribute>  
</sc.variable>
```

Changes to

App_Config\Include\Sitecore.Xdb.Remote.Server.MarketingAssets.config.disabled

To upgrade your

App_Config\Include\Sitecore.Xdb.Remote.Server.MarketingAssets.config.disabled configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change :

1. Remove the following node:

```
<marketingDefinitions>  
  <asset  
definitionInterface="Sitecore.Marketing.Definitions.MarketingAssets.IMarketingAssetDefinition,  
Sitecore.Marketing">  
    <definitionManager  
type="Sitecore.Marketing.Definitions.MarketingAssets.MarketingAssetDefinitionManager,  
Sitecore.Marketing" singleInstance="true">  
      <param desc="repository">  
        <patch:attribute  
name="ref">marketingDefinitions/asset/repositories/rdb</patch:attribute>  
      </param>  
    </definitionManager>  
  </asset>  
</marketingDefinitions>
```

Changes to App_Config\Include\SwitchMasterToWeb.config.example

To upgrade your App_Config\Include\SwitchMasterToWeb.config.example configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. Move this config file to this location:
App_Config\Include\Z.SwitchMasterToWeb\SwitchMasterToWeb.config.example
2. In the <settings> section, replace the following node:

```
<setting name="Analytics.DefaultDefinitionDatabase" value="web"/>
```

with

```
<setting name="Analytics.DefaultDefinitionDatabase" set:value="web"/>
```

Changes to App_Config\Include\ContentTesting\Sitecore.ContentTesting.config

To upgrade your

App_Config\Include\ContentTesting\Sitecore.ContentTesting.config config file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. At the beginning of the <settings> section, add the following setting:

```
<!-- CONTENT TESTING - ALWAYS SHOW TEST CANDIDATE NOTIFICATION  
Determines whether show test candidate notification is always enabled in  
the Content Testing.  
Default value: false  
-->  
<setting name="ContentTesting.AlwaysShowTestCandidateNotification" value="false"  
>
```

2. In the <settings> section, replace the "ContentTesting.EndTestRuleSet" setting with the following:

```
<!-- CONTENT TESTING - END TEST RULESET  
The path to the ruleset that determines whether a test can finish  
automatically.  
Default value: /sitecore/system/Settings/Content Testing/End Test Behavior
```

Sitecore Configuration File Changes

```
-->
<setting name="ContentTesting.EndTestRuleset"
value="/sitecore/system/Settings/Content Testing/End Test Behavior" />
```

3. Change value of the `ContentTesting.PhantomJS.EnableDiskCache` setting to `true`
4. In the `<settings>` section, add the following setting:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `"ContentTesting.PhantomJS.ExecutablePath"` setting.

```
<!-- CONTENT TESTING - PHANTOM JS - IGNORE SSL ERRORS
Determines whether the PhantomJS tool should ignore errors with SSL when
accessing resources.
Default value: true
-->
<setting name="ContentTesting.PhantomJS.IgnoreSSLErrors" value="true"/>
```

5. In the `<settings>` section, add the following setting:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `"ContentTesting.PhantomJS.LockNavigation"` setting.

```
<!-- CONTENT TESTING - PHANTOM JS - SSL PROTOCOL
The SSL protocol to instruct the PhantomJS tool to use for SSL resources.
Must be one of ( SSLv3 | SSLv2 | TLSv1 | any )
Default value: any
-->
<setting name="ContentTesting.PhantomJS.SSLProtocol" value="any"/>
```

6. In the `<settings>` section, replace the `"ContentTesting.TestStrategy"` setting with the following:

```
<!-- CONTENT TESTING - TEST STRATEGY
The default content test strategy.
Default value: /sitecore/system/Settings/Content Testing/Test
Strategies/Subgroup Round Robin Sticky
-->
<setting name="ContentTesting.TestStrategy"
value="/sitecore/system/Settings/Content Testing/Test Strategies/Subgroup Round Robin Sticky"
/>
```

7. Between the `<settings>` and the `<commands>` sections, add the following node:

```
<!-- API -->
<api>
  <services>
    <configuration
type="Sitecore.Services.Infrastructure.Configuration.ServicesConfiguration,
Sitecore.Services.Infrastructure">
      <allowedControllers hint="list:AddController">
        <allowedController
desc="CT_CreateTestDialogController">Sitecore.ContentTesting.Requests.Controllers.CreateTestDi
alogController, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_ActivityController">Sitecore.ContentTesting.Requests.Controllers.Optimization.Activit
yController, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_DateController">Sitecore.ContentTesting.Requests.Controllers.Optimization.DateContro
ller, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_ItemInfoController">Sitecore.ContentTesting.Requests.Controllers.Optimization.ItemInf
oController, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_TestOutcomesController">Sitecore.ContentTesting.Requests.Controllers.Optimization.Tes
tOutcomesController, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_TestsController">Sitecore.ContentTesting.Requests.Controllers.Optimization.TestsContr
oller, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_PersonalizationController">Sitecore.ContentTesting.Requests.Controllers.Personaliza
tion.PersonalizationController, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_ActionController">Sitecore.ContentTesting.Requests.Controllers.TestResults.ActionCont
roller, Sitecore.ContentTesting</allowedController>
```

```

        <allowedController
desc="CT ReachController">Sitecore.ContentTesting.Requests.Controllers.TestResults.ReachContro
ller, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT TestDefinitionController">Sitecore.ContentTesting.Requests.Controllers.TestResults.Te
stDefinitionController, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT TopClicksToPagesController">Sitecore.ContentTesting.Requests.Controllers.TestResults.
TopClicksToPagesController, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_TopGoalsController">Sitecore.ContentTesting.Requests.Controllers.TestResults.TopGoals
Controller, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT ContentTestingController">Sitecore.ContentTesting.Requests.Controllers.ContentTesting
Controller, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_OptionsMapperController">Sitecore.ContentTesting.Requests.Controllers.OptionsMapperCo
ntroller, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT QueryController">Sitecore.ContentTesting.Requests.Controllers.QueryController,
Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT_TestObjectivesController">Sitecore.ContentTesting.Requests.Controllers.TestObjectives
Controller, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT TestResultsController">Sitecore.ContentTesting.Requests.Controllers.TestResultsContro
ller, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT TestThumbnailsController">Sitecore.ContentTesting.Requests.Controllers.TestThumbnails
Controller, Sitecore.ContentTesting</allowedController>
        <allowedController
desc="CT TestVariablesController">Sitecore.ContentTesting.Requests.Controllers.TestVariablesCo
ntroller, Sitecore.ContentTesting</allowedController>
    </allowedControllers>
</configuration>
</services>
</api>

<appDependencies>
<xdb>
  <app id="{2D77A85B-40AD-4376-B44B-1D567B4FE438}" name="Experience
Optimization"/>
</xdb>
<contentTesting>
  <app id="{2D77A85B-40AD-4376-B44B-1D567B4FE438}" name="Experience
Optimization"/>
</contentTesting>
</appDependencies>

```

8. In the end of the <commands> section, add the following command:

```

<command name="test:createTest"
type="Sitecore.ContentTesting.Commands.CreateTest, Sitecore.ContentTesting" />

```

9. After <commands> section, add the following section:

```

<!-- Content Testing Factory configuration
The types listed here are used by the ContentTestingFactory. Override these
settings to override the individual factories.
-->
<contentTesting>
  <!-- Concrete implementation types -->
  <contentTestingFactory type="Sitecore.ContentTesting.ContentTestingFactory,
Sitecore.ContentTesting" />

  <!-- Content Test Performance Factory implementation type-->
  <contentTestPerformanceFactory
type="Sitecore.ContentTesting.Reports.ContentTestPerformanceFactory, Sitecore.ContentTesting"
/>

  <!-- Content Test Store implementation type -->
  <contentTestStore type="Sitecore.ContentTesting.Data.SitecoreContentTestStore,
Sitecore.ContentTesting" />

  <editModeContext type="Sitecore.ContentTesting.Editing.EditModeContext,
Sitecore.ContentTesting" />

```


Sitecore Configuration File Changes

```
        <forceWinnerBehaviorFactory
type="Sitecore.ContentTesting.Rules.ForceWinnerBehavior.ForcedWinnerBehaviorFactory,
Sitecore.ContentTesting">
        <forceWinnerBehaviors hint="raw:AddBehaviorRaw">
        <new name="New"
type="Sitecore.ContentTesting.Rules.ForceWinnerBehavior.ForceNewExperienceWinner,
Sitecore.ContentTesting" />
        <original name="Original"
type="Sitecore.ContentTesting.Rules.ForceWinnerBehavior.ForceOriginalExperienceWinner,
Sitecore.ContentTesting" />
        </forceWinnerBehaviors>
    </forceWinnerBehaviorFactory>

    <personalizationTestStore
type="Sitecore.ContentTesting.Data.SitecorePersonalizationTestStore, Sitecore.ContentTesting"
/>

    <personalizationTracker
type="Sitecore.ContentTesting.Analytics.PersonalizationTracker, Sitecore.ContentTesting"/>

    <personalizationService
type="Sitecore.ContentTesting.Services.PersonalizationService, Sitecore.ContentTesting">
        <param desc="contentTestStore" ref="contentTesting/contentTestStore" />
        <param desc="personalizationConfiguration"
ref="contentTesting/personalizationTestStore" />
        <param desc="performanceFactory"
ref="contentTesting/contentTestPerformanceFactory" />
        <param desc="testValueInspector"
type="Sitecore.ContentTesting.Inspectors.TestValueInspector, Sitecore.ContentTesting" />
    </personalizationService>

    <screenshotContextFactory
type="Sitecore.ContentTesting.Screenshot.ScreenshotContextFactory, Sitecore.ContentTesting" />

    <screenshotGenerator
type="Sitecore.ContentTesting.Screenshot.ScreenshotGenerator, Sitecore.ContentTesting"
singleInstance="true" />

    <testingSearch type="Sitecore.ContentTesting.ContentSearch.TestingSearch,
Sitecore.ContentTesting" />

    <testCombinationContext
type="Sitecore.ContentTesting.Web.TestCombinationContext, Sitecore.ContentTesting">
        <param desc="httpContext" />
    </testCombinationContext>

    <testingTracker type="Sitecore.ContentTesting.Analytics.TestingTracker,
Sitecore.ContentTesting"/>

    <testRunEstimator type="Sitecore.ContentTesting.Data.TestRunEstimator,
Sitecore.ContentTesting" />
</contentTesting>
```

10. In the `<events>` section, replace the following node:

```
<event name="publish:end">
    <handler type="Sitecore.ContentTesting.Events.ActiveTestCacheClearer,
Sitecore.ContentTesting" method="Process"/>
</event>
```

with

```
<event name="publish:end">
<!-- ACTIVE TEST CACHE CLEARER
This event handler clears data from the ActiveTest cache
-->
    <handler type="Sitecore.ContentTesting.Events.ActiveTestCacheClearer,
Sitecore.ContentTesting" method="Process" />
</event>
<event name="publish:end:remote">
<!-- ACTIVE TEST CACHE CLEARER
This event handler clears data from the ActiveTest cache
-->
    <handler type="Sitecore.ContentTesting.Events.ActiveTestCacheClearer,
Sitecore.ContentTesting" method="Process" />
</event>
```

11. Remove <scheduling> section.

12. In the beginning of the <pipelines> section, add the following node:

```
<!-- ADD PERSONALIZATION VARIABLES
      Loads and filters the personalization test variables in the test set
-->
<addPersonalizationVariables>
  <processor
type="Sitecore.ContentTesting.Pipelines.AddPersonalizationVariables.FilterRules,
Sitecore.ContentTesting" />
  <processor
type="Sitecore.ContentTesting.Pipelines.AddPersonalizationVariables.AddRules,
Sitecore.ContentTesting" />
</addPersonalizationVariables>
```

13. In the <pipelines> section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <calculateTestScore> node.

```
<!-- CAN CANCEL TEST
      Determine if a test can be cancelled
-->
<canCancelTest>
  <processor type="Sitecore.ContentTesting.Pipelines.CanControlTest.IsAdmin,
Sitecore.ContentTesting" />
  <processor type="Sitecore.ContentTesting.Pipelines.CanControlTest.IsTestOwner,
Sitecore.ContentTesting" />
</canCancelTest>

<!-- CANCEL TEST
      Cancels a test and reverts test candidates back to their original state
-->
<cancelTest>
  <processor
type="Sitecore.ContentTesting.Pipelines.CancelTest.CheckCanCancelTest,
Sitecore.ContentTesting" />
  <processor
type="Sitecore.ContentTesting.Pipelines.CancelTest.CreateHistoricalTestData,
Sitecore.ContentTesting" />
  <processor type="Sitecore.ContentTesting.Pipelines.CancelTest.RevertContent,
Sitecore.ContentTesting" />
  <processor type="Sitecore.ContentTesting.Pipelines.CancelTest.PublishHostItem,
Sitecore.ContentTesting" />
  <processor
type="Sitecore.ContentTesting.Pipelines.CancelTest.ProcessTestWorkflow,
Sitecore.ContentTesting" />
  <processor
type="Sitecore.ContentTesting.Pipelines.CancelTest.RemoveDraftTestDefinition,
Sitecore.ContentTesting" />
  <processor type="Sitecore.ContentTesting.Pipelines.CancelTest.ClearFromCache,
Sitecore.ContentTesting" />
</cancelTest>

<!-- CAN STOP TEST
      Determine if a test can be stopped
-->
<canStopTest>
  <processor type="Sitecore.ContentTesting.Pipelines.CanControlTest.IsAdmin,
Sitecore.ContentTesting" />
  <processor type="Sitecore.ContentTesting.Pipelines.CanControlTest.IsTestOwner,
Sitecore.ContentTesting" />
</canStopTest>
```

14. In the <pipelines><generateVariantDescription> section, after the "Sitecore.ContentTesting.Pipelines.GenerateVariantDescription.GetPageVersionTestDescription" processor, add the following processor:

```
<processor
type="Sitecore.ContentTesting.Pipelines.GenerateVariantDescription.GetContentTestTestDescription,
Sitecore.ContentTesting" />
```

Sitecore Configuration File Changes

15. In the beginning of the `<pipelines><getChromeData>` section, add the following processor:

```
<processor
type="Sitecore.ContentTesting.Pipelines.GetChromeData.GetRenderingTestVariations,
Sitecore.ContentTesting"
patch:after="processor[@type='Sitecore.Pipelines.GetChromeData.GetRenderingChromeData,
Sitecore.Kernel']" />
```

16. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<getCurrentTestCombination>` node.

```
<!-- GET DATASOURCE WARNINGS FOR TEST
Inspect an item being used as a datasource in a test and raise issues that
could prevent it from acting within the test
-->
<getDatasourceWarningsForTest>
<processor
type="Sitecore.ContentTesting.Pipelines.GetItemWarningsForTest.Publishable,
Sitecore.ContentTesting" />
<processor
type="Sitecore.ContentTesting.Pipelines.GetItemWarningsForTest.PublishingRestrictions,
Sitecore.ContentTesting" />
<processor
type="Sitecore.ContentTesting.Pipelines.GetItemWarningsForTest.Workflow,
Sitecore.ContentTesting">
<InspectHostItem>false</InspectHostItem>
</processor>
</getDatasourceWarningsForTest>
```

17. Change `<getItemWarningsForTest>` processor to look like this:

```
<getItemWarningsForTest>
<processor
type="Sitecore.ContentTesting.Pipelines.GetItemWarningsForTest.Publishable,
Sitecore.ContentTesting" />
<processor
type="Sitecore.ContentTesting.Pipelines.GetItemWarningsForTest.PublishingRestrictions,
Sitecore.ContentTesting" />
<processor
type="Sitecore.ContentTesting.Pipelines.GetItemWarningsForTest.Workflow,
Sitecore.ContentTesting">
<InspectHostItem>true</InspectHostItem>
</processor>
<processor
type="Sitecore.ContentTesting.Pipelines.GetItemWarningsForTest.Presentation,
Sitecore.ContentTesting" />
</getItemWarningsForTest>
```

18. In the `<pipelines>` section; add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<getItemWarningsForTest>` node.

```
<!-- GET VERSIONED TEST CANDIDATES
Inspect an item with workflow and identify test candidates for it
-->
<getNonVersionedTestCandidates>
<processor
type="Sitecore.ContentTesting.Pipelines.GetTestCandidates.GetComponentTestCandidates,
Sitecore.ContentTesting" />
<processor
type="Sitecore.ContentTesting.Pipelines.GetTestCandidates.GetPersonalizationTestCandidates,
Sitecore.ContentTesting" />
</getNonVersionedTestCandidates>
```

19. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<getPageEditorNotifications>` node.

```
<getRenderingRules>
<processor
type="Sitecore.ContentTesting.Pipelines.GetRenderingRules.FilterForEditing,
Sitecore.ContentTesting"
```

```
patch:before="processor[@type='Sitecore.Analytics.Pipelines.GetRenderingRules.FilterForEditing
, Sitecore.Analytics']" />
</getRenderingRules>
```

20. In the <pipelines> section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <getTestObjectives> node.

```
<!-- GET TEST TO RUN
Inspect an item for a test to run
-->
<getTestToRun>
  <processor type="Sitecore.ContentTesting.Pipelines.GetTestToRun.GetFromCache,
Sitecore.ContentTesting"/>
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestToRun.GetFromQueryString,
Sitecore.ContentTesting"/>
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestToRun.GetFromFinalLayout,
Sitecore.ContentTesting"/>
  <processor type="Sitecore.ContentTesting.Pipelines.GetTestToRun.GetFromField,
Sitecore.ContentTesting">
    <param desc="fieldId">{8546D6E6-0749-4591-90F3-CEC033D6E8D8}</param> <!--
Page Level Test Definition -->
  </processor>
  <processor type="Sitecore.ContentTesting.Pipelines.GetTestToRun.GetFromField,
Sitecore.ContentTesting">
    <param desc="fieldId">{700F4AAD-AD3B-4058-8673-A0CEE765A1F7}</param> <!--
Content Test -->
  </processor>
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestToRun.GetFromVisualization,
Sitecore.ContentTesting"/>
  <processor type="Sitecore.ContentTesting.Pipelines.GetTestToRun.CheckDevice,
Sitecore.ContentTesting"/>
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestToRun.EnsureCorrectLanguage,
Sitecore.ContentTesting"/>
  <processor type="Sitecore.ContentTesting.Pipelines.GetTestToRun.SetCache,
Sitecore.ContentTesting"/>
</getTestToRun>

<!-- GET VERSIONED TEST CANDIDATES
Inspect an item with workflow and identify test candidates for it
-->
<getVersionedTestCandidates>
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestCandidates.GetComponentTestCandidates,
Sitecore.ContentTesting" />
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestCandidates.GetPersonalizationTestCandidates,
Sitecore.ContentTesting" />
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestCandidates.GetPageVersionTestCandidates,
Sitecore.ContentTesting">
    <IgnoreRuleChanges>True</IgnoreRuleChanges>
    <IgnoreComponentTestChanges>True</IgnoreComponentTestChanges>
    <excludeFields hint="list:ExcludeFieldFromComparison">
      <created>__created</created>
      <createdby> created by</createdby>
      <updated> updated</updated>
      <updatedby> updated by</updatedby>
      <revision>__revision</revision>
      <sortorder>__sortorder</sortorder>
      <validfrom>__valid from</validfrom>
      <workflow> workflow</workflow>
      <workflowstate> workflow state</workflowstate>
      <lock> lock</lock>
      <pageleveltestsetdefinition>__Page Level Test Set
Definition</pageleveltestsetdefinition>
      <renderings>__Renderings</renderings>
      <finalrenderings> Final Renderings</finalrenderings>
    </excludeFields>
  </processor>
</getVersionedTestCandidates>
```

Sitecore Configuration File Changes

21. In the `<pipelines>` section, remove the following node:

```
<!-- GET TEST CANDIDATES
    Inspect an item and identify test candidates for it
-->
<getTestCandidates>
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestCandidates.GetComponentTestCandidates,
Sitecore.ContentTesting" />
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestCandidates.GetPersonalizationTestCandidates,
Sitecore.ContentTesting" />
  <processor
type="Sitecore.ContentTesting.Pipelines.GetTestCandidates.GetPageVersionTestCandidates,
Sitecore.ContentTesting">
    <IgnoreRuleChanges>True</IgnoreRuleChanges>
    <IgnoreComponentTestChanges>True</IgnoreComponentTestChanges>
    <excludeFields hint="list:ExcludeFieldFromComparison">
      <created> created</created>
      <createdby> created by</createdby>
      <updated>__updated</updated>
      <updatedby>__updated by</updatedby>
      <revision>__revision</revision>
      <sortorder>__sortorder</sortorder>
      <validfrom> valid from</validfrom>
      <workflow> workflow</workflow>
      <workflowstate>__workflow state</workflowstate>
      <lock>__lock</lock>
      <pageleveltestsetdefinition>__Page Level Test Set
Definition</pageleveltestsetdefinition>
    </excludeFields>
  </processor>
</getTestCandidates>
```

22. In the `<getTests>` section, after `GetPageLevelTest` processor, add the following node:

```
<processor type="Sitecore.ContentTesting.Pipelines.GetTests.GetContentTests,
Sitecore.ContentTesting" />
```

23. In the `<pipelines><httpRequestBegin>` section, replace the following processor:

```
<processor
type="Sitecore.ContentTesting.Pipelines.HttpRequest.SetReadOnlySessionStateForScreenshot,
Sitecore.ContentTesting"/>
```

with

```
<processor
type="Sitecore.ContentTesting.Pipelines.HttpRequest.SetReadOnlySessionStateForScreenshot,
Sitecore.ContentTesting"
patch:after="processor[@type='Sitecore.Pipelines.HttpRequest.ItemResolver, Sitecore.Kernel']"
/>
<processor
type="Sitecore.ContentTesting.Pipelines.HttpRequest.ForcedEditingTestCombination,
Sitecore.ContentTesting"
patch:after="processor[@type='Sitecore.Pipelines.HttpRequest.ItemResolver, Sitecore.Kernel']"
/>
```

24. In the `<pipelines><initialize>` section, remove the following processor:

```
<processor
type="Sitecore.ContentTesting.Pipelines.Initialize.RegisterContentTestingCommandRoute,
Sitecore.ContentTesting"
patch:before="processor[@type='Sitecore.Mvc.Pipelines.Loader.InitializeRoutes, Sitecore.Mvc']"
/>
```

25. In the beginning of the `<pipelines><initialize>` section, add the following processor:

```
<processor
type="Sitecore.ContentTesting.Pipelines.Initialize.RegisterWebApiRoutes,
Sitecore.ContentTesting"
patch:before="processor[@type='Sitecore.Mvc.Pipelines.Loader.InitializeRoutes, Sitecore.Mvc']"
/>
```

26. In the end of the `<pipelines><insertRenderings>` section, add the following processors:

```
<processor type="Sitecore.ContentTesting.Pipelines.InsertRenderings.Testing,
Sitecore.ContentTesting"
```

```
patch:before="processor[@type='Sitecore.Pipelines.InsertRenderings.Processors.EvaluateConditions, Sitecore.Kernel']" />
```

27. In the `<pipelines>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<publishVersion>` node.

```
<renderDeviceEditorRendering>
  <processor
type="Sitecore.ContentTesting.Pipelines.RenderDeviceEditorRendering.ComponentTestIndicator,
Sitecore.ContentTesting" />
</renderDeviceEditorRendering>
```

28. In the `<pipelines><renderLayout>` section, remove the following processor:

```
<processor
type="Sitecore.ContentTesting.Pipelines.RenderLayout.EvaluateTestExposure,
Sitecore.ContentTesting"
patch:before="processor[@type='Sitecore.Analytics.Pipelines.RenderLayout.PageLevelTestItemResolver, Sitecore.Analytics']" />
```

29. At the beginning of the `<pipelines><renderLayout>` section, add the following processors:

```
<processor
type="Sitecore.ContentTesting.Pipelines.RenderLayout.EvaluateTestExposure,
Sitecore.ContentTesting"
patch:before="processor[@type='Sitecore.Pipelines.RenderLayout.InsertRenderings,
Sitecore.Kernel']" />
  <processor
type="Sitecore.ContentTesting.Pipelines.RenderLayout.PageLevelTestItemResolver,
Sitecore.ContentTesting"
patch:before="processor[@type='Sitecore.Pipelines.RenderLayout.InsertRenderings,
Sitecore.Kernel']" />
  <processor
type="Sitecore.ContentTesting.Pipelines.RenderLayout.ContentTestDataSourceResolver,
Sitecore.ContentTesting"
patch:before="processor[@type='Sitecore.Pipelines.RenderLayout.InsertRenderings,
Sitecore.Kernel']" />
```

30. In the `<pipelines>` section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<renderLayout>` node.

```
<renderLayoutGridRendering>
  <processor
type="Sitecore.ContentTesting.Pipelines.RenderLayoutGridRendering.ComponentTestIndicator,
Sitecore.ContentTesting" />
</renderLayoutGridRendering>

<renderingRuleEvaluated>
  <processor
type="Sitecore.ContentTesting.Pipelines.RenderingRuleEvaluated.TestingRule,
Sitecore.ContentTesting" />
</renderingRuleEvaluated>

<renderRulePlaceholder.afterAction>
  <!-- Enable these processors to view personalization data for each rule in the
personalization dialog -->
  <!-- Processor to display reach (exposure) for rule in rules editor -->
  <!--<processor
type="Sitecore.ContentTesting.Pipelines.RenderRulePlaceholder.AfterAction.Reach,
Sitecore.ContentTesting" />-->
  <!-- Processor to display effect of the rule in the rules editor -->
  <!--<processor
type="Sitecore.ContentTesting.Pipelines.RenderRulePlaceholder.AfterAction.Effect,
Sitecore.ContentTesting" />-->
</renderRulePlaceholder.afterAction>

<!-- REVERT CONTENT
  Remove a test from an item and revert content to its original state
-->
<revertContent>
  <processor
type="Sitecore.ContentTesting.Pipelines.RevertContent.IdentifyHostItem,
Sitecore.ContentTesting" />
```

Sitecore Configuration File Changes

```
        <processor
type="Sitecore.ContentTesting.Pipelines.RevertContent.AddVersionToHost,
Sitecore.ContentTesting" />
        <processor type="Sitecore.ContentTesting.Pipelines.RevertContent.ContentTest,
Sitecore.ContentTesting" />
        <processor
type="Sitecore.ContentTesting.Pipelines.RevertContent.PageLevelTest, Sitecore.ContentTesting"
/>
        <processor
type="Sitecore.ContentTesting.Pipelines.RevertContent.ComponentTest, Sitecore.ContentTesting"
/>
        <processor
type="Sitecore.ContentTesting.Pipelines.RevertContent.PersonalizationTest,
Sitecore.ContentTesting" />
    </revertContent>
```

31. In the `<pipelines>` section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<saveTestOutcome>` node.

```
    <!-- SESSIOND END
        Performs cleanup on session end
    -->
    <sessionEnd>
    <processor
type="Sitecore.ContentTesting.Pipelines.SessionEnd.CleanupPreservedWorkflowArgs,
Sitecore.ContentTesting" />
    </sessionEnd>

    <speake.client.initialize.layout>
    <processor mode="on"
type="Sitecore.ContentTesting.Pipelines.InitializeSpeakLayout.AuthorizeContentTestingAccess,
Sitecore.ContentTesting"/>
    </speake.client.initialize.layout>

    <!-- START PAGE TEST
        Starts the page test
    -->
    <startPageTest>
    <processor
type="Sitecore.ContentTesting.Pipelines.StartPageTest.DeployPageTestDependencies,
Sitecore.ContentTesting" />
    <processor
type="Sitecore.ContentTesting.Pipelines.StartPageTest.DeployComponentTestDependencies,
Sitecore.ContentTesting" />
    <processor type="Sitecore.ContentTesting.Pipelines.StartPageTest.DeployTest,
Sitecore.ContentTesting" />
    <processor
type="Sitecore.ContentTesting.Pipelines.StartPageTest.ClearActiveTestCacheForHost,
Sitecore.ContentTesting" />
    </startPageTest>
```

32. In the `<pipelines><startTest>` section, remove the following processors:

```
    <processor
type="Sitecore.ContentTesting.Pipelines.StartTest.DeployPageTestDependencies,
Sitecore.ContentTesting"/>
    <processor
type="Sitecore.ContentTesting.Pipelines.StartTest.DeployComponentTestDependencies,
Sitecore.ContentTesting"/>
    <processor type="Sitecore.ContentTesting.Pipelines.StartTest.DeployTest,
Sitecore.ContentTesting"/>
```

33. At the beginning of the `<pipelines><startTest>` section, add the following processors:

```
    <processor type="Sitecore.ContentTesting.Pipelines.StartTest.SetTestSettings,
Sitecore.ContentTesting" />
    <processor
type="Sitecore.ContentTesting.Pipelines.StartTest.EnsureTestCandidates,
Sitecore.ContentTesting" />
    <processor
type="Sitecore.ContentTesting.Pipelines.StartTest.DisableTestElements,
Sitecore.ContentTesting" />
    <processor
type="Sitecore.ContentTesting.Pipelines.StartTest.ResolveTestLanguage,
Sitecore.ContentTesting" />
```

```
        <processor
type="Sitecore.ContentTesting.Pipelines.StartTest.DetermineTestOwner, Sitecore.ContentTesting"
/>
        <processor type="Sitecore.ContentTesting.Pipelines.StartTest.SetTestObjective,
Sitecore.ContentTesting" />
        <processor
type="Sitecore.ContentTesting.Pipelines.StartTest.DetermineDeviceBound,
Sitecore.ContentTesting" />
        <processor
type="Sitecore.ContentTesting.Pipelines.StartTest.CreateTestDefinition,
Sitecore.ContentTesting" />
        <processor type="Sitecore.ContentTesting.Pipelines.StartTest.Deploy,
Sitecore.ContentTesting" />
        <processor
type="Sitecore.ContentTesting.Pipelines.StartTest.ClearActiveTestCacheForHost,
Sitecore.ContentTesting" />
```

34. In the `<pipelines><stopTest>` section, remove the following processor:

```
        <processor
type="Sitecore.ContentTesting.Pipelines.StopTest.CreateWinnerVersion, Sitecore.ContentTesting"
/>
```

35. In the `<pipelines><stopTest>` section, after the
"Sitecore.ContentTesting.Pipelines.StopTest.ProcessTestWorkflow"
processor, add the following processors:

```
        <processor
type="Sitecore.ContentTesting.Pipelines.StopTest.CreatePageLevelWinnerVersion,
Sitecore.ContentTesting" />
        <processor type="Sitecore.ContentTesting.Pipelines.StopTest.EnsureValidWinner,
Sitecore.ContentTesting" />
        <processor
type="Sitecore.ContentTesting.Pipelines.StopTest.CreateHistoricalTestData,
Sitecore.ContentTesting" />
        <processor
type="Sitecore.ContentTesting.Pipelines.StopTest.RemoveContentTests, Sitecore.ContentTesting"
/>
```

36. After `<suggestTests>` node, add the following nodes:

```
<!-- SUSPEND TEST
      Suspend the test.
-->
  <suspendTest>
    <processor
type="Sitecore.ContentTesting.Pipelines.SuspendTest.ProcessTestWorkflow,
Sitecore.ContentTesting" />
  </suspendTest>

  <!-- VALIDATE DATA SOURCE CONFIGURATION
      Validates whethr data source for specified Test Value Item is not
corrupted.
-->
    <validateDataSourceConfiguration>
      <processor
type="Sitecore.ContentTesting.Pipelines.ValidateDataSourceConfiguration.ValidateContentTestDat
aSource, Sitecore.ContentTesting" />
      <processor
type="Sitecore.ContentTesting.Pipelines.ValidateDataSourceConfiguration.ValidatePageTestDataSo
urce, Sitecore.ContentTesting" />
      <processor
type="Sitecore.ContentTesting.Pipelines.ValidateDataSourceConfiguration.ValidateComponentTestD
ataSource, Sitecore.ContentTesting" />
      <processor
type="Sitecore.ContentTesting.Pipelines.ValidateDataSourceConfiguration.ValidatePersonalizatio
nTestDataSource, Sitecore.ContentTesting" />
    </validateDataSourceConfiguration>
```

37. In the `<validateStopAction>` section replace the following node:

```
        <processor
type="Sitecore.ContentTesting.Pipelines.ValidateStopAction.ValidateTestOwner,
Sitecore.COntentTesting"/>
```


Sitecore Configuration File Changes

with

```
<processor
type="Sitecore.ContentTesting.Pipelines.ValidateStopAction.ValidateUserCanStopTest,
Sitecore.ContentTesting" />
```

38. After the `<pipelines>` section, add the following node:

```
<processors>
  <uiDeleteItems>
    <processor mode="on"
type="Sitecore.ContentTesting.Pipelines.DeleteItems.DeleteTestDefinitionItems, Sitecore.Content
Testing"
      method="CheckActiveTests"
      patch:before="processor[@method='UncloneItems']" />
    </uiDeleteItems>
  </processors>

  <scheduling>
    <agent type="Sitecore.Tasks.CleanupAgent" method="Run">
      <files hint="raw:AddCommand">
        <remove folder="$(tempFolder)/screenshots" pattern="*.*" maxAge="7.00:00:00"
recursive="true" />
      </files>
    </agent>
  </scheduling>
```

39. At the beginning of the `<sitecore.experienceeditor.speak.requests>` node, add the following request:

```
<request name="Optimization.ItemVersions.Count"
type="Sitecore.ContentTesting.Requests.ExperienceEditor.ItemVersionsCountRequest,
Sitecore.ContentTesting" />
```

40. In the `<sitecore.experienceeditor.speak.requests>` section, after the "Optimization.HistoricalTests.Count" request, add the following request:

```
<request name="Optimization.IsContentTestingEnabledRequest"
type="Sitecore.ContentTesting.Requests.ExperienceEditor.IsContentTestingEnabledRequest,
Sitecore.ContentTesting" />
```

41. In the end of the `<sitecore.experienceeditor.speak.requests>` section, after the "OptimizationView.Toogle.GetUrl" request node, add the following node:

```
<!-- Delete -->
<request name="ExperienceEditor.Delete.CheckActiveTestsRequest"
type="Sitecore.ContentTesting.Requests.ExperienceEditor.Delete.CheckActiveTestsRequest,
Sitecore.ContentTesting"/>
<request name="ExperienceEditor.Delete.DeleteActiveTestsRequest"
type="Sitecore.ContentTesting.Requests.ExperienceEditor.Delete.DeleteActiveTestsRequest,
Sitecore.ContentTesting"/>
<!-- Delete -->
```

42. In the `<contentTesting>` section, add the following node:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<contentTestStore>` node.

```
<editModeContext type="Sitecore.ContentTesting.Editing.EditModeContext,
Sitecore.ContentTesting" />
```

43. In the `<contentTesting>` section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `<forceWinnerBehaviorFactory>` node.

```
<personalizationTestStore
type="Sitecore.ContentTesting.Data.SitecorePersonalizationTestStore, Sitecore.ContentTesting"
/>

<personalizationTracker
type="Sitecore.ContentTesting.Analytics.PersonalizationTracker, Sitecore.ContentTesting"/>

<personalizationService
type="Sitecore.ContentTesting.Services.PersonalizationService, Sitecore.ContentTesting">
  <param desc="contentTestStore" ref="contentTesting/contentTestStore" />
```

```
<param desc="personalizationConfiguration"
ref="contentTesting/personalizationTestStore" />
<param desc="performanceFactory"
ref="contentTesting/contentTestPerformanceFactory" />
<param desc="testValueInspector"
type="Sitecore.ContentTesting.Inspectors.TestValueInspector, Sitecore.ContentTesting" />
</personalizationService>
```

44. Remove the following nodes:

```
<!-- Content Testing Factory configuration
The types listed here are used by the ContentTestingFactory. Override these
settings to override the individual factories.
-->
<contentTesting>
  <!-- Concrete implementation types -->
  <contentTestingFactory type="Sitecore.ContentTesting.ContentTestingFactory,
Sitecore.ContentTesting"/>

  <!-- Content Test Performance Factory implementation type-->
  <contentTestPerformanceFactory
type="Sitecore.ContentTesting.Reports.ContentTestPerformanceFactory,
Sitecore.ContentTesting"/>

  <!-- Content Test Store implementation type -->
  <contentTestStore type="Sitecore.ContentTesting.Data.SitecoreContentTestStore,
Sitecore.ContentTesting"/>

  <forceWinnerBehaviorFactory
type="Sitecore.ContentTesting.Rules.ForceWinnerBehavior.ForcedWinnerBehaviorFactory,
Sitecore.ContentTesting">
    <forceWinnerBehaviors hint="raw:AddBehaviorRaw">
      <new name="New"
type="Sitecore.ContentTesting.Rules.ForceWinnerBehavior.ForceNewExperienceWinner,
Sitecore.ContentTesting"/>
      <original name="Original"
type="Sitecore.ContentTesting.Rules.ForceWinnerBehavior.ForceOriginalExperienceWinner,
Sitecore.ContentTesting"/>
    </forceWinnerBehaviors>
  </forceWinnerBehaviorFactory>

  <testingSearch type="Sitecore.ContentTesting.ContentSearch.TestingSearch,
Sitecore.ContentTesting"/>
</contentTesting>
```

Changes to

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Intelligence.config

To upgrade your

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Intelligence.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the <pipelines><calculateStatisticalRelevancy> section, remove the following processor:

```
<processor
type="Sitecore.ContentTesting.Intelligence.Pipelines.CalculateStatisticalRelevancy.GetData,
Sitecore.ContentTesting.Intelligence"/>
```

Sitecore Configuration File Changes

Changes to

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Mvc.config

To upgrade your

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Mvc.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <pipelines><mvc.getPageItem> section, remove the following processor:

```
<processor
type="Sitecore.ContentTesting.Mvc.Pipelines.Response.GetPageItem.GetFromTestSet,
Sitecore.ContentTesting.Mvc"/>
```

2. In the <pipelines><mvc.getPageItem> section, add the following processors:

```
<processor
type="Sitecore.ContentTesting.Mvc.Pipelines.Response.GetPageItem.PageLevelTestVariantResolver,
Sitecore.ContentTesting.Mvc" />
<processor
type="Sitecore.ContentTesting.Mvc.Pipelines.Response.GetPageItem.ContentTestVariantResolver,
Sitecore.ContentTesting.Mvc" />
```

3. In the <pipelines> section, after the <mvc.requestBegin> node, add the following node:

```
<mvc.customizeRendering>
<processor
type="Sitecore.ContentTesting.Mvc.Pipelines.Response.CustomizeRendering.SelectVariation,
Sitecore.ContentTesting.Mvc" />
</mvc.customizeRendering>
```

Changes to

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Processing.Aggregation.config

To upgrade your

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Processing.Aggregation.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <pipelines><interactions> section, after the "Sitecore.ContentTesting.Analytics.Aggregation.Pipeline.TestConversionProcessor" processor, add the following processors:

```
<processor
type="Sitecore.ContentTesting.Analytics.Aggregation.Pipeline.PageViewsByLanguageProcessor,
Sitecore.ContentTesting">
<DateTimePrecision
type="Sitecore.Analytics.Aggregation.Data.DateTimeDayPrecisionStrategy,
Sitecore.Analytics.Aggregation"/>
</processor>
```

2. In the end of the <pipelines><interactions> section, add the following processor:

```
<processor
type="Sitecore.ContentTesting.Analytics.Aggregation.Pipeline.PersonalizationRulesExposure,
Sitecore.ContentTesting" />
```

Changes to

App_Config\Include\ExperienceProfile\Sitecore.ExperienceProfile.config

To upgrade your

App_Config\Include\ExperienceProfile\Sitecore.ExperienceProfile.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. After `<pipelines>` section, add the following node:

```
<!-- Hides Experience Profile icon from the Dashboard if xDB is not enabled. -->
<appDependencies>
  <xdb>
    <app id="{6111B7F6-B4D9-40B4-A88E-25E3D7760297}" name="Experience Profile"/>
  </xdb>
</appDependencies>
```

Changes to

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.Aggregation.config

To upgrade your

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.Aggregation.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the `<dimensions>` section, add the following dimension:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByCity" dimension.

```
<!-- By Assets -->
<dimension id="{42C02019-CCB4-4C49-BD4E-B736C6698089}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAsset,
Sitecore.ExperienceAnalytics" />
```

2. In the `<dimensions>` section, add the following dimensions:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoal" dimension.

```
<dimension id="{197EB127-284D-436A-A576-486A7B01013E}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAssetGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{D6BC9E66-E51A-4481-AAE2-F31189CCA572}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByOutcome,
Sitecore.ExperienceAnalytics" />
<dimension id="{A23E7058-5A8C-426F-A417-927D3F7DF487}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByOutcomeGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{1A0F92E9-A2CC-41D9-8D1B-B0839CB1104B}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByCampaignFacet,
Sitecore.ExperienceAnalytics" />
<dimension id="{87F05F2A-D4A0-43DA-8676-196639D3F6A8}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByCampaignFacetGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{D551A7B4-535F-4138-8361-7B12BF9216A4}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAssetFacetGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{232D5449-4DBB-4101-8A0E-41E003A91484}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoalFacetGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{D135E856-FC48-4F6E-987F-5566A180215D}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoalFacet,
Sitecore.ExperienceAnalytics" />
<dimension id="{E5D56897-23D1-46F3-B8FB-D351C1CAF7E}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAssetFacet,
Sitecore.ExperienceAnalytics" />
```

Sitecore Configuration File Changes

```
        <dimension id="{84AF4324-8096-4A5E-9C5C-DBBE92D814D3}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByDeviceType,
Sitecore.ExperienceAnalytics" />
        <dimension id="{CC287753-DFF8-470A-B586-A23DA9B80ECA}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByDeviceModel,
Sitecore.ExperienceAnalytics" />
```

Changes to

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.Client.config

To upgrade your

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.Client.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the beginning of the <sitecore> section, add the following node:

```
<appDependencies>
  <xdb>
    <app id="{BCDEDA7A-D6DC-4D2F-9570-7D7F89AAAA0B}" name="Experience Analytics"/>
  </xdb>
</appDependencies>
```

2. In the <pipelines><initialize> section, replace the following processor:

```
<!-- One-time run code that updates the value of DeployDate to UTC.NOW.
Processes only the segments shipped out of the box and have DeployDate
set to NULL in RDB
-->
<processor type="Sitecore.ExperienceAnalytics.Client.SegmentInitializer,
Sitecore.ExperienceAnalytics.Client" x:after="processor[position()=last()]" />
```

with

```
<!-- One-time run code that synchronizes a segment if it's workflow state is
'Deployed' but non-existent in db, with DeployDate = UTC.NOW
-->
<processor
type="Sitecore.ExperienceAnalytics.Client.Deployment.SyncSegmentsProcessor,
Sitecore.ExperienceAnalytics.Client" x:after="processor[position()=last()]" />
```

3. In the <pipelines><deployDefinition> section, replace the following processor:

```
<processor
type="Sitecore.ExperienceAnalytics.Client.Workflow.DeploySegmentDefinition,
Sitecore.ExperienceAnalytics.Client"/>
```

with

```
<processor
type="Sitecore.ExperienceAnalytics.Client.Deployment.DeploySegmentDefinitionProcessor,
Sitecore.ExperienceAnalytics.Client"/>
```

4. In the <pipelines> section, add the following nodes:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the <deployDefinition> node.

```
<httpRequestBegin>
  <processor
type="Sitecore.ExperienceAnalytics.Pipelines.HttpRequest.RedirectRequest,
Sitecore.ExperienceAnalytics"
x:after="processor[@type='Sitecore.Pipelines.HttpRequest.ItemResolver, Sitecore.Kernel']" />
</httpRequestBegin>
```

5. After the <pipelines> section, add the following section:

```
<settings>
  <!-- EXPERIENCE ANALYTICS - DEFAULT DATE RANGE OFFSET - FROM
The default offset (in days) that is used in a date range filter for the
'from date'.
Default value: -90
-->
  <setting name="ExperienceAnalytics.DefaultDateRangeOffset.From" value="-90" />
```

```
<!-- EXPERIENCE ANALYTICS - DEFAULT DATE RANGE OFFSET - TO
      The default offset (in days) that is used in a date range filter for the
'to date'.
      Default value: -1
-->
<setting name="ExperienceAnalytics.DefaultDateRangeOffset.To" value="-1" />
</settings>
```

Changes to

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.Reduce.config

To upgrade your

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.Reduce.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <dimensions> section, add the following dimension:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByCity" dimension.

```
<!-- By Assets -->
<dimension id="{42C02019-CCB4-4C49-BD4E-B736C6698089}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAsset,
Sitecore.ExperienceAnalytics" />
```

2. In the <dimensions> section, add the following dimensions:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoal" dimension.

```
<dimension id="{197EB127-284D-436A-A576-486A7B01013E}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAssetGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{D6BC9E66-E51A-4481-AAE2-F31189CCA572}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByOutcome,
Sitecore.ExperienceAnalytics" />
<dimension id="{A23E7058-5A8C-426F-A417-927D3F7DF487}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByOutcomeGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{87F05F2A-D4A0-43DA-8676-196639D3F6A8}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByCampaignFacetGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{1A0F92E9-A2CC-41D9-8D1B-B0839CB1104B}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByCampaignFacet,
Sitecore.ExperienceAnalytics" />
<dimension id="{D551A7B4-535F-4138-8361-7B12BF9216A4}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAssetFacetGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{232D5449-4DBB-4101-8A0E-41E003A91484}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoalFacetGroup,
Sitecore.ExperienceAnalytics" />
<dimension id="{E5D56897-23D1-46F3-B8FB-D351C1CAF7E}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAssetFacet,
Sitecore.ExperienceAnalytics" />
<dimension id="{D135E856-FC48-4F6E-987F-5566A180215D}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoalFacet,
Sitecore.ExperienceAnalytics" />
<dimension id="{84AF4324-8096-4A5E-9C5C-DBBE92D814D3}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByDeviceType,
Sitecore.ExperienceAnalytics" />
<dimension id="{CC287753-DFF8-470A-B586-A23DA9B80ECA}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByDeviceModel,
Sitecore.ExperienceAnalytics" />
```

Sitecore Configuration File Changes

Changes to

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.StorageProviders.config

To upgrade your

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.StorageProviders.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. At the beginning of <experienceAnalytics> section add

```
<deployment>
  <services>
    <!-- SegmentDefinitionService is responsible for reading data from the
Segments dimension table in RDB.
    The 'connectionStringName' parameter the name of the connection string
of the RDB instance to connect to.
    Default: "reporting"
    -->
    <segmentDefinitionService
type="Sitecore.ExperienceAnalytics.Core.Repositories.LocalSegmentDefinitionService,
Sitecore.ExperienceAnalytics">
      <param desc="connectionStringName">reporting</param>
    </segmentDefinitionService>
  </services>
</deployment>
```

2. In the <experienceAnalytics> section, replace the following node:

```
<primarySegmentStorageProvider
type="Sitecore.ExperienceAnalytics.Client.Platform.SegmentStorageProvider,
Sitecore.ExperienceAnalytics.Client" singleInstance="true">
```

with

```
<primarySegmentStorageProvider
type="Sitecore.ExperienceAnalytics.Client.Deployment.SegmentStorageProvider,
Sitecore.ExperienceAnalytics.Client" singleInstance="true">
```

3. In the <reportingStorageProviders> section, replace the following node:

```
<secondarySegmentStorageProvider
type="Sitecore.ExperienceAnalytics.Client.Platform.SegmentStorageProvider,
Sitecore.ExperienceAnalytics.Client" singleInstance="true">
```

with

```
<secondarySegmentStorageProvider
type="Sitecore.ExperienceAnalytics.Client.Deployment.SegmentStorageProvider,
Sitecore.ExperienceAnalytics.Client" singleInstance="true">
```

Changes to

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.WebAPI.config

To upgrade your

App_Config\Include\ExperienceAnalytics\Sitecore.ExperienceAnalytics.WebAPI.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <dimensions> section, add the following dimension:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the

"Sitecore.ExperienceAnalytics.Aggregation.Dimensions.Exm.ByLanguageSpecificEmail" dimension.

```
<dimension id="{42C02019-CCB4-4C49-BD4E-B736C6698089}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAsset,
Sitecore.ExperienceAnalytics">
```

Sitecore Experience Platform 8.1

```
<transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.AssetDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
</dimension>
```

2. In the `<dimensions><dimension type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoal">` section, replace the transformer with the following:

```
<transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.GoalDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
```

3. In the `<dimensions>` section, add the following dimensions:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the `"Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoal"` dimension.

```
<dimension id="{197EB127-284D-436A-A576-486A7B01013E}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAssetGroup,
Sitecore.ExperienceAnalytics" >
  <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.AssetGroupsDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
</dimension>
<dimension id="{D6BC9E66-E51A-4481-AAE2-F31189CCA572}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByOutcome,
Sitecore.ExperienceAnalytics">
  <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.OutcomeDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
</dimension>
<dimension id="{A23E7058-5A8C-426F-A417-927D3F7DF487}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByOutcomeGroup,
Sitecore.ExperienceAnalytics">
  <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.OutcomeGroupDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
</dimension>
<dimension id="{87F05F2A-D4A0-43DA-8676-196639D3F6A8}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByCampaignFacetGroup,
Sitecore.ExperienceAnalytics">
  <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.FacetGroupDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
</dimension>
<dimension id="{1A0F92E9-A2CC-41D9-8D1B-B0839CB1104B}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByCampaignFacet,
Sitecore.ExperienceAnalytics" >
  <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.FacetDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
</dimension>
<dimension id="{D551A7B4-535F-4138-8361-7B12BF9216A4}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAssetFacetGroup,
Sitecore.ExperienceAnalytics" >
  <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.FacetGroupDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
</dimension>
<dimension id="{232D5449-4DBB-4101-8A0E-41E003A91484}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoalFacetGroup,
Sitecore.ExperienceAnalytics" >
  <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.FacetGroupDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
</dimension>
<dimension id="{E5D56897-23D1-46F3-B8FB-D351C1CAF7E}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByAssetFacet,
Sitecore.ExperienceAnalytics" >
  <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.FacetDimensionKeyTransformer, Sitecore.ExperienceAnalytics" />
</dimension>
```


Sitecore Configuration File Changes

```
        <dimension id="{D135E856-FC48-4F6E-987F-5566A180215D}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByGoalFacet,
Sitecore.ExperienceAnalytics" >
        <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.FacetDimensionKeyTran
sformer, Sitecore.ExperienceAnalytics" />
        </dimension>
        <dimension id="{84AF4324-8096-4A5E-9C5C-DBBE92D814D3}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByDeviceType,
Sitecore.ExperienceAnalytics" >
        <transformer textCasing="DeviceType"
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.DefaultDimensionKeyTr
ansformer, Sitecore.ExperienceAnalytics" />
        </dimension>
        <dimension id="{CC287753-DFF8-470A-B586-A23DA9B80ECA}"
type="Sitecore.ExperienceAnalytics.Aggregation.Dimensions.ByDeviceModel,
Sitecore.ExperienceAnalytics" >
        <transformer
type="Sitecore.ExperienceAnalytics.Api.Response.DimensionKeyTransformers.DeviceModelDimensionK
eyTransformer, Sitecore.ExperienceAnalytics" />
        </dimension>
```

4. In the <settings> section, replace the "ExperienceAnalytics.Api.CacheExpiration" setting with the following:

```
        <!-- EXPERIENCE ANALYTICS - API - CACHE EXPIRATION
        TTL for reporting data cache on server and client side. Used in conjunction
with the cacheEnabled=true flag on reporting/dataProvider.
        Default value: 00:15:00 (15 minutes)
        -->
        <setting name="ExperienceAnalytics.Api.CacheExpiration" value="00:15:00" />
```

5. In the <settings> section, add the following settings:

You can place it anywhere in the section, but in a clean Sitecore installation, the new node is placed after the "ExperienceAnalytics.Api.CacheExpiration" setting.

```
        <!-- EXPERIENCE ANALYTICS - API - CACHE EXPIRATION FOR SAFE REQUEST
        TTL for reporting data cache on server side. Used in conjunction with the
cacheEnabled=true flag on reporting/dataProvider.
        Default value: 1:00:00:00 (24 hours)
        -->
        <setting name="ExperienceAnalytics.Api.ServerSideSafeRequestCacheExpiration"
value="1:00:00:00" />

        <!-- EXPERIENCE ANALYTICS - API - CACHE EXPIRATION FOR SAFE REQUEST
        TTL for reporting data cache on client side. Used in conjunction with the
cacheEnabled=true flag on reporting/dataProvider.
        Default value: 365:00:00:00 (365 days)
        -->
        <setting name="ExperienceAnalytics.Api.ClientSideSafeRequestCacheExpiration"
value="365:00:00:00" />

        <!-- EXPERIENCE ANALYTICS - API - CACHE EXPIRATION FOR RISKY REQUEST
        TTL for reporting data cache on server side. Used in conjunction with the
cacheEnabled=true flag on reporting/dataProvider.
        Default value: 24:00 (24 hours)
        -->
        <setting name="ExperienceAnalytics.Api.ServerSideRiskyRequestCacheExpiration"
value="01:00:00" />

        <!-- EXPERIENCE ANALYTICS - API - CACHE EXPIRATION FOR RISKY REQUEST
        TTL for reporting data cache on client side. Used in conjunction with the
cacheEnabled=true flag on reporting/dataProvider.
        Default value: 24:00 (24 hours)
        -->
        <setting name="ExperienceAnalytics.Api.ClientSideRiskyRequestCacheExpiration"
value="1:00:00:00" />

        <!-- EXPERIENCE ANALYTICS - API - INTERNAL CACHE EXPIRATION
        TTL for internal data cache e.g. segments. Used in conjunction with the
cacheEnabled=true flag on reporting/dataProvider.
        Default value: 00:05:00 (5 minutes)
        -->
        <setting name="ExperienceAnalytics.InternalCacheExpiration" value="00:05:00" />
```

Changes to App_Config\Include\FXM\Sitecore.FXM.config

To upgrade your App_Config\Include\FXM\Sitecore.FXM.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the `<api><services><configuration>` section, after "Sitecore.FXM.Service.Controllers.ElementMatcherController" allowedController, add the following allowedController:

```
<allowedController
desc="ElementPlaceholderController">Sitecore.FXM.Service.Controllers.ElementPlaceholderControl
ler, Sitecore.FXM.Service</allowedController>
```

2. Between the `<processors>` and `<pipelines>` sections, add the following node:

```
<hooks>
  <hook type="Sitecore.FXM.Hooks.FxmSiteProviderInitializerHook,
Sitecore.FXM"></hook>
</hooks>
```

3. In the `<pipelines>` section, after the `<mvc.renderPlaceholder>` node, add the following node:

```
<getSessionIdManager>
  <processor
type="Sitecore.FXM.Pipelines.ChooseSessionIdManager.FXMSessionIdManagerProcessor,
Sitecore.FXM" />
</getSessionIdManager>
```

4. In the end of the `<pipelines><tracking.matchpages>` section, add the following processor:

```
<processor
type="Sitecore.FXM.Pipelines.Tracking.MatchPages.RegisterOutcomesForMatchedPagesProcessor,
Sitecore.FXM" />
```

5. In the `<pipelines><tracking.trackpagevisit>` section, after the "Sitecore.FXM.Pipelines.Tracking.TrackPageVisit.SwitchUriForReferrerProcessor, Sitecore.FXM" processor, add the following processor:

```
<processor
type="Sitecore.FXM.Pipelines.Tracking.TrackPageVisit.TrafficTypeProcessor, Sitecore.FXM" />
```

6. In the `<pipelines><tracking.choosesessionidmanager>` section, remove the following nodes:

```
<!-- Run on each request to determine if which session Id manager should
be used for the current request. -->
<processor
type="Sitecore.FXM.Pipelines.ChooseSessionIdManager.FXMSessionIdManagerProcessor,
Sitecore.FXM" />
<processor
type="Sitecore.FXM.Pipelines.ChooseSessionIdManager.DefaultAspNetSessionIdManagerProcessor,
Sitecore.FXM" />
```

7. In the `<pipelines><content.experienceeditor>` section, after the "Sitecore.FXM.Client.Pipelines.ExperienceEditor.ExternalPage.GetExternalPageContentProcessor" processor, add the following processor:

```
<processor
type="Sitecore.FXM.Client.Pipelines.ExperienceEditor.ExternalPage.FramingViewstateTagsProcesso
r, Sitecore.FXM.Client" />
```

8. In the end of the `<sitecore>` section, add the following node:

```
<log4net>
  <logger name="Sitecore.FXM.Diagnostics" additivity="false">
    <level value="INFO" />
    <appender-ref ref="FxmLogFileAppender" />
  </logger>
  <appender name="FxmLogFileAppender"
type="log4net.Appender.SitecoreLogFileAppender, Sitecore.Logging">
    <file value="$(dataFolder)/logs/Fxm.log.{date}.txt" />
    <appendToFile value="true" />
    <layout type="log4net.Layout.PatternLayout">
      <conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n" />
```

Sitecore Configuration File Changes

```
</layout>
<encoding value="utf-8" />
</appender>
</log4net>
```

Changes to App_Config\Include\FXM\Sitecore.FXM.Speak.config

To upgrade your App_Config\Include\FXM\Sitecore.FXM.Speak.config configuration file to the Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the end of the <sitecore.experienceeditor.speak.requests> section, add the following node:

```
<!-- FXM Common -->
<request name="ExperienceEditor.FXM.ToggleRegistryKey.Toggle"
type="Sitecore.FXM.Speak.Ribbon.Requests.FxmToggleRegistryKey, Sitecore.FXM.Speak" />
```

2. After the <pipelines> section, add the following node:

```
<appDependencies>
  <xdb>
    <app id="{254DB1EB-129B-4DBD-9B8E-CC1B38FDD0E7}" name="Federated Experience
Manager"/>
  </xdb>
</appDependencies>
```

Changes to App_Config\Include\Social\Sitecore.Social.config

To upgrade your App_Config\Include\Social\Sitecore.Social.config configuration file to the Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the <settings> section, change the value of the "Social.ProfileUpdating.DaysBeforeExpiration" setting to "0".

After this change, the setting should look like this:

```
<!-- SOCIAL - PROFILE UPDATING - DAYS BEFORE EXPIRATION
The number of days before a user profile expires.
Default value: 0
-->
<setting name="Social.ProfileUpdating.DaysBeforeExpiration" value="0" />
```

Changes to

App_Config\Include\Social\Sitecore.Social.ProfileMapping.Facebook.config

To upgrade your

App_Config\Include\Social\Sitecore.Social.ProfileMapping.Facebook.config config file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Replace the following node:

```
<!-- The user's biography. -->
<field enabled="false" originalKey="bio" sitecoreKey="fb_bio"
permission="user_about_me" access="/me" text="Bio" />
```

with

```
<!-- The user's biography. -->
<field enabled="true" originalKey="bio" sitecoreKey="fb_bio"
permission="user_about_me" access="/me" text="Bio" />
```

2. Replace the following node:

```
<!-- The interests listed on the user's profile. -->
<field enabled="false" originalKey="" sitecoreKey="fb_interests"
permission="user_interests" access="/me/interests" text="Interests" />
```

with

```
<!-- The interests listed on the user's profile. -->
<field enabled="true" originalKey="" sitecoreKey="fb_interests"
permission="user_interests" access="/me/interests" text="Interests" />
```

Changes to

App_Config\Include\Social\Sitecore.Social.ScalabilitySettings.config.disabled

To upgrade your

App_Config\Include\Social\Sitecore.Social.ScalabilitySettings.config.disabled configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the <settings> section, after the "Social.Scalability.ContentManagement.TasksExecutionInstance" setting, add the following setting:

```
<!-- SOCIAL - SCALABILITY - CONTENT MANAGEMENT - TASKS EXECUTION MANAGER
The name of the class that performs logic of detecting the particular
instance depending on environment.
Default value:
"Sitecore.Social.Client.Tasks.Managers.DefaultInstanceExecutionManager,
Sitecore.Social.Client"
For Azure environment it should be changed to
"Sitecore.Social.Client.Tasks.Managers.AzureInstanceExecutionManager, Sitecore.Social.Client"
-->
<setting name="Social.Scalability.ContentManagement.InstanceExecutionManager"
value="Sitecore.Social.Client.Tasks.Managers.DefaultInstanceExecutionManager,
Sitecore.Social.Client" />
```

Changes to App_Config\Include\XdbCloud\Sitecore.Cloud.Xdb.config.disabled

To upgrade your App_Config\Include\XdbCloud\Sitecore.Cloud.Xdb.config.disabled configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <settings> section, change the value of the "Sitecore.Cloud.Xdb.DeploymentType" setting to "Prod".

After this change, setting should look like this:

```
<!-- DEPLOYMENT TYPE
Allowed values are:
Prod
NonProd

Sitecore will not boot if this setting doesn't match what is retrieved from
the xdb service.
Running a production solution on a non-prod SLA will degrade your overall
SLA.
Running a non-production solution on a production data set will pollute the
production data set.
-->
<setting name="Sitecore.Cloud.Xdb.DeploymentType" value="Prod" />
```

2. At the end of <reporting><remote><paths> section, add the following node:

```
<ReportingStorageManager>/~/v81/reporting/reportingstoragemanager/</ReportingStorageMa
nager>
```

3. Replace this section:

```
<deploymentManager>
  <param desc="targetRepository">remote</param>
</deploymentManager>
```

with

```
<deploymentManagerTargetRepository>remote</deploymentManagerTargetRepository>
<sc.variable name="marketingDefinitions.deploymentManager.targetRepository">
  <patch:attribute name="value">remote</patch:attribute>
```

Sitecore Configuration File Changes

```
</sc.variable>
```

4. In the `<marketingDefinitions><campaign>` section, replace the following node:

```
<remote
type="Sitecore.Marketing.Definitions.Campaigns.Data.Remote.CampaignRemoteDefinitionRepository,
Sitecore.Marketing" singleInstance="true">
```

with

```
<remote
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Remote.CampaignRemoteDefinitionRepository,
Sitecore.Analytics" singleInstance="true">
```

5. In the `<marketingDefinitions><goal>` section, replace the following node:

```
<remote
type="Sitecore.Marketing.Definitions.Goals.Data.Remote.GoalRemoteDefinitionRepository,
Sitecore.Marketing" singleInstance="true">
```

with

```
<remote
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Remote.GoalRemoteDefinitionRepository,
Sitecore.Analytics" singleInstance="true">
```

6. In the `<marketingDefinitions><outcome>` section, replace the following node:

```
<remote
type="Sitecore.Marketing.Definitions.Outcomes.Data.Remote.OutcomeRemoteDefinitionRepository,
Sitecore.Marketing" singleInstance="true">
```

with

```
<remote
type="Sitecore.Analytics.Reporting.DefinitionData.Marketing.Remote.OutcomeRemoteDefinitionRepository,
Sitecore.Analytics" singleInstance="true">
```

7. In the `<taxonomy>` section, replace the following node:

```
<deployHandler type="Sitecore.Marketing.Taxonomy.Deploy.HttpDeployHandler,
Sitecore.Marketing.Taxonomy" singleInstance="true">
```

with

```
<deployHandler
type="Sitecore.Analytics.Reporting.DefinitionData.Taxonomy.Deployment.HttpDeployHandler,
Sitecore.Analytics" singleInstance="true">
```

8. In the `<sitecore>` section, remove the following node:

```
<!-- EXM -->
<exm>
  <!-- ROLES
        Describes which Email Experience Manager server roles are enabled by this
configuration file.
  -->
  <roles>
    <role name="Analytics Processing">
      <patch:delete/>
    </role>
    <role name="Reporting">
      <patch:delete/>
    </role>
  </roles>
</exm>

<pipelines>
  <registerReportingDataSource>
    <processor
type="Sitecore.Modules.EmailCampaign.Statistics.Pipelines.RegisterEcmReportingDataSourceProcessor,
Sitecore.EmailCampaign.Statistics">
      <patch:delete/>
    </processor>
  </registerReportingDataSource>
</pipelines>
```

Changes to

App_Config\Include\XdbCloud\Sitecore.ContentSearch.Cloud.DefaultIndexConfiguration.config.disabled

To upgrade your App_Config\Include\XdbCloud\Sitecore.ContentSearch.Cloud.DefaultIndexConfiguration.config.disabled configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Before the <initializeOnAdd>true</initializeOnAdd> section, add the following node:

```
<!-- This flag will index all fields by default. This allows new fields in your
templates to automatically be included into the index.
You have two choices :

1) Set this to 'true' and place all the fields that you would like to
remove in the 'ExcludeField' list.
2) Set to false and place all fields you would like to be indexed in
the 'IncludeField' list below.
-->
<indexAllFields>true</indexAllFields>
```

2. In the beginning of <fieldNames hint="raw:AddFieldByFieldName"> section, add the following node:

```
<field fieldName="culture" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
  <analyzer
type="Sitecore.ContentSearch.LuceneProvider.Analyzers.LowerCaseKeywordAnalyzer,
Sitecore.ContentSearch.LuceneProvider" />
</field>
```

3. Replace the following node:

```
<field fieldName="__smallcreateddate" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.DateTime" format="yyyyMMddTHHmZ"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
```

with

```
<field fieldName="__smallcreateddate" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.DateTime" format="yyyy-MM-ddTHH:mm:ss.fffZ"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
```

4. Replace the following node

```
<field fieldName="__smallupdateddate" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.DateTime" format="yyyyMMddTHHmZ"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
```

with

```
<field fieldName="__smallupdateddate" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.DateTime" format="yyyy-MM-ddTHH:mm:ss.fffZ"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
```

5. Replace the <virtualFieldProcessors> node:

```
<!-- VIRTUAL FIELD PROCESSORS
Virtual fields can be used to translate a field query into a different
query.
-->
<virtualFieldProcessors hint="raw:AddVirtualFieldProcessor">
  <virtualFieldProcessor fieldName="daterange"
type="Sitecore.ContentSearch.VirtualFields.DateRangeFieldProcessor, Sitecore.ContentSearch" />
  <virtualFieldProcessor fieldName="updateddaterange"
type="Sitecore.ContentSearch.VirtualFields.UpdatedDateRangeFieldProcessor,
Sitecore.ContentSearch" />
```

Sitecore Configuration File Changes

```
<virtualFieldProcessor fieldName="_lastestversion"
type="Sitecore.ContentSearch.VirtualFields.LatestVersionFieldProcessor,
Sitecore.ContentSearch" />
<virtualFieldProcessor fieldName=" url"
type="Sitecore.ContentSearch.VirtualFields.UniqueIdFieldProcessor, Sitecore.ContentSearch" />
</virtualFieldProcessors>
```

with

```
<!-- VIRTUAL FIELDS
Virtual fields can be used to translate a field query into a different
query.
-->
<virtualFields type="Sitecore.ContentSearch.VirtualFieldProcessorMap,
Sitecore.ContentSearch">
  <processors hint="raw:AddFromConfiguration">
    <add fieldName="daterange"
type="Sitecore.ContentSearch.VirtualFields.DateRangeFieldProcessor, Sitecore.ContentSearch" />
    <add fieldName="updateddaterange"
type="Sitecore.ContentSearch.VirtualFields.UpdatedDateRangeFieldProcessor,
Sitecore.ContentSearch" />
    <add fieldName="_lastestversion"
type="Sitecore.ContentSearch.VirtualFields.LatestVersionFieldProcessor,
Sitecore.ContentSearch" />
    <add fieldName=" url"
type="Sitecore.ContentSearch.VirtualFields.UniqueIdFieldProcessor, Sitecore.ContentSearch" />
  </processors>
</virtualFields>
<documentOptions
type="Sitecore.Cloud.ContentSearch.CloudSearchDocumentBuilderOptions,Sitecore.Cloud.ContentSea
rch">
  <!-- This flag will index all fields by default. This allows new fields in
your templates to automatically be included into the index.
You have two choices :
1) Set this to 'true' and place all the fields that you would like to
remove in the 'ExcludeField' list.
2) Set to false and place all fields you would like to be indexed in
the 'IncludeField' list below.
-->
  <indexAllFields>true</indexAllFields>
```

6. In the <defaultCloudIndexConfiguration> section, replace the following node:

```
<exclude hint="list:ExcludeTemplate">
```

with

```
<exclude hint="list:AddExcludedTemplate">
```

7. In the <defaultCloudIndexConfiguration> section, replace the following node:

```
<include hint="list:IncludeTemplate">
```

with

```
<include hint="list:AddIncludedTemplate">
```

8. In the <defaultCloudIndexConfiguration> section, replace the following node:

```
<include hint="list:IncludeField">
```

with

```
<include hint="list:AddIncludedField">
```

9. In the <defaultCloudIndexConfiguration> section , replace the following node:

```
<exclude hint="list:ExcludeField">
```

with

```
<exclude hint="list:AddExcludedField">
```

10. In the <defaultCloudIndexConfiguration> section, replace the following node:

```
<fields hint="raw:RemoveSpecialFields">
  <remove type="both">AllTemplates</remove>
  <remove type="both">Created</remove>
  <remove type="both">Editor</remove>
```

```
<remove type="both">Hidden</remove>
<remove type="both">Icon</remove>
<remove type="both">Links</remove>
<remove type="both">Updated</remove>
</fields>
```

with

```
<fields hint="raw:AddExcludedSpecialField">
  <field type="both">AllTemplates</field>
  <field type="both">Created</field>
  <field type="both">Editor</field>
  <field type="both">Hidden</field>
  <field type="both">Icon</field>
  <field type="both">Links</field>
  <field type="both">Updated</field>
</fields>
```

```
<!-- ADD INBUILT SITECORE FIELDS
```

The section makes sense, e.g., when `indexAllFields` is set to `'false'` and you may want to index built-in fields.

```
-->
<!--
<fields hint="raw:AddIncludedSpecialField">
  <field type="both">FieldNameHere</field>
</fields-->
```

11. In the `<fields hint="raw:AddComputedIndexField">` section, after `<field fieldName="parsedlanguage" ...>` node, add the following node:

```
<field fieldName="culture"
>Sitecore.ContentSearch.ComputedFields.Culture,Sitecore.ContentSearch</field>
```

12. After the `<fields hint="raw:AddComputedIndexField">` node, add:

```
</documentOptions>
```

13. At the end of the `<defaultCloudIndexConfiguration>` section, add the following node:

```
<defaultSearchSecurityOption
ref="contentSearch/indexConfigurations/defaultSearchSecurityOption" />
```

14. Change the value of the `ContentSearch.LuceneQueryClauseCount` setting to 4096.

Changes to

App_Config\Include\XdbCloud\Sitecore.ContentSearch.Cloud.Index.Analytics.config.disabled

To upgrade your

`App_Config\Include\XdbCloud\Sitecore.ContentSearch.Cloud.Index.Analytics.config.disabled` configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Before the following node:

```
<configuration ref="contentSearch/indexConfigurations/defaultCloudIndexConfiguration">
```

add:

```
<param desc="group">experience</param>
```

2. Before the following node:

```
<field fieldName="contact.preferredaddress.streetline4" storageType="YES"
indexType="TOKENIZED" vectorType="WITH POSITIONS OFFSETS" boost="1f" emptyString=" EMPTY "
nullValue=" NULL " type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider" />
```

add:

```
<field fieldName="contact.latestvisitdate" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.DateTime" format="yyyy-MM-ddTHH:mm:ss.fffZ"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
```


Sitecore Configuration File Changes

```
        <analyzer
type="Sitecore.ContentSearch.LuceneProvider.Analyzers.LowerCaseKeywordAnalyzer,
Sitecore.ContentSearch.LuceneProvider" />
        </field>

        <field fieldName="visit.startdatetime" storageType="YES"
indexType="TOKENIZED" vectorType="NO" boost="1f" type="System.DateTime" format="yyyy-MM-
ddTHH:mm:ss.fffZ"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
        <analyzer
type="Sitecore.ContentSearch.LuceneProvider.Analyzers.LowerCaseKeywordAnalyzer,
Sitecore.ContentSearch.LuceneProvider" />
        </field>
        <field fieldName="visit.enddatetime" storageType="YES"
indexType="TOKENIZED" vectorType="NO" boost="1f" type="System.DateTime" format="yyyy-MM-
ddTHH:mm:ss.fffZ"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
        <analyzer
type="Sitecore.ContentSearch.LuceneProvider.Analyzers.LowerCaseKeywordAnalyzer,
Sitecore.ContentSearch.LuceneProvider" />
        </field>
```

3. In the `<typeMatches hint="raw:AddTypeMatch">` node, replace:

```
<typeMatch type="System.DateTime" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" format="s"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
```

with:

```
<typeMatch type="System.DateTime" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" format="yyyy-MM-ddTHH:mm:ss.fffZ"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
```

4. At the end of the `<TypeMatches>` section, add:

```
<typeMatch type="System.String[]" storageType="YES" indexType="TOKENIZED"
vectorType="WITH POSITIONS OFFSETS" boost="1f"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider" />
```

5. In the `<documentOptions>` section, add the `<fields hint="raw:AddComputedIndexField">` node.

After this change, it must look like this:

```
<documentOptions
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/documentOptions">
    <fields hint="raw:AddComputedIndexField">
        <field fieldName="Contact.FullName"
type="Sitecore.ContentSearch.ComputedFields.CompositeTextField, Sitecore.ContentSearch"
matchField="type" matchValue="contact" separator=" ">
            <part>Contact.Title</part>
            <part>Contact.FirstName</part>
            <part>Contact.MiddleName</part>
            <part>Contact.Surname</part>
            <part>Contact.Suffix</part>
        </field>
    </fields>
</documentOptions>
```

Changes to

App_Config\Include\Sitecore.ContentSearch.Lucene.DefaultIndexConfiguration.config

To upgrade your

App_Config\Include\Sitecore.ContentSearch.Lucene.DefaultIndexConfiguration.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Remove the following node:

```
<!-- This flag will index all fields by default. This allows new fields in
your templates to automatically be included into the index.
You have two choices :

1) Set this to 'true' and place all the fields that you would like to
remove in the 'ExcludeField' list.
2) Set to false and place all fields you would like to be indexed in
the 'IncludeField' list below.
-->
<indexAllFields>true</indexAllFields>
```

2. Replace the <virtualFieldProcessors> node with the following node:

```
<!-- VIRTUAL FIELDS
Virtual fields can be used to translate a field query into a different
query.
-->
<virtualFields type="Sitecore.ContentSearch.VirtualFieldProcessorMap,
Sitecore.ContentSearch">
  <processors hint="raw:AddFromConfiguration">
    <add fieldName="daterange"
type="Sitecore.ContentSearch.VirtualFields.DateRangeFieldProcessor, Sitecore.ContentSearch" />
    <add fieldName="updateddaterange"
type="Sitecore.ContentSearch.VirtualFields.UpdatedDateRangeFieldProcessor,
Sitecore.ContentSearch" />
    <add fieldName=" lateststversion"
type="Sitecore.ContentSearch.VirtualFields.LatestVersionFieldProcessor,
Sitecore.ContentSearch" />
    <add fieldName=" url"
type="Sitecore.ContentSearch.VirtualFields.UniqueIdFieldProcessor, Sitecore.ContentSearch" />
  </processors>
</virtualFields>
```

3. After <virtualFields> node, add the following node:

```
<documentOptions
type="Sitecore.ContentSearch.LuceneProvider.LuceneDocumentBuilderOptions,
Sitecore.ContentSearch.LuceneProvider">

  <!-- This flag will index all fields by default. This allows new fields in
your templates to automatically be included into the index.
You have two choices :

1) Set this to 'true' and place all the fields that you would like to
remove in the 'ExcludeField' list.
2) Set to false and place all fields you would like to be indexed in
the 'IncludeField' list below.
-->
  <indexAllFields>true</indexAllFields>
```

4. In the <defaultLuceneIndexConfiguration> section, replace the following node:

```
<exclude hint="list:ExcludeTemplate">
```

with

```
<exclude hint="list:AddExcludedTemplate">
```

5. In the <defaultLuceneIndexConfiguration> section, replace the following node:

```
<include hint="list:IncludeTemplate">
```

with

```
<include hint="list:AddIncludedTemplate">
```

Sitecore Configuration File Changes

6. In the `<defaultLuceneIndexConfiguration>` section, replace the following node:

```
<include hint="list:IncludeField">
```

with

```
<include hint="list:AddIncludedField">
```

7. In the `<defaultLuceneIndexConfiguration>` section, replace the following node:

```
<exclude hint="list:ExcludeField">
```

with

```
<exclude hint="list:AddExcludedField">
```

8. In the `<defaultLuceneIndexConfiguration>` section, replace the following node:

```
<fields hint="raw:RemoveSpecialFields">  
<remove type="both">AllTemplates</remove>  
<remove type="both">Created</remove>  
<remove type="both">Editor</remove>  
<remove type="both">Hidden</remove>  
<remove type="both">Icon</remove>  
<remove type="both">Links</remove>  
<remove type="both">Updated</remove>  
</fields>
```

with

```
<fields hint="raw:AddExcludedSpecialField">  
<field type="both">AllTemplates</field>  
<field type="both">Created</field>  
<field type="both">Editor</field>  
<field type="both">Hidden</field>  
<field type="both">Icon</field>  
<field type="both">Links</field>  
<field type="both">Updated</field>  
</fields>
```

9. After the `<defaultLuceneIndexConfiguration><fields hint="raw:AddExcludedSpecialField">` section, add the following node:

```
<!-- ADD INBUILT SITECORE FIELDS  
The section makes sense, e.g., when indexAllFields is set to 'false'  
and you may want to index built-in fields.  
-->  
<!--  
<fields hint="raw:AddIncludedSpecialField">  
<field type="both">FieldNameHere</field>  
</fields>-->
```

10. After the `<defaultLuceneIndexConfiguration><fields hint="raw:AddComputedIndexField">` section, add the following node:

```
</documentOptions>
```

Changes to

App_Config\Include\Sitecore.ContentSearch.Lucene.Index.Analytics.config

To upgrade your

App_Config\Include\Sitecore.ContentSearch.Lucene.Index.Analytics.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the `<documentOptions>` section, add the `<fieldNames><fields hint="raw:AddComputedIndexField">` node.

After this change, the section should look like this:

```
<documentOptions  
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/documentOptions">  
<fieldNames>  
<fields hint="raw:AddComputedIndexField">
```

```
        <field fieldName="Contact.FullName"
type="Sitecore.ContentSearch.ComputedFields.CompositeTextField, Sitecore.ContentSearch"
        matchField="type" matchValue="contact" separator=" ">
        <part>Contact.Title</part>
        <part>Contact.FirstName</part>
        <part>Contact.MiddleName</part>
        <part>Contact.Surname</part>
        <part>Contact.Suffix</part>
        </field>
    </fields>
</documentOptions>
```

Changes to

App_Config\Include\Sitecore.ContentSearch.Lucene.Index.Web.config

To upgrade your

App_Config\Include\Sitecore.ContentSearch.Lucene.Index.Web.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Replace the following node:

```
        <policy type="Sitecore.ContentSearch.TimeIntervalCommitPolicy,
Sitecore.ContentSearch" />
```

with

```
        <policy type="Sitecore.ContentSearch.ModificationCountCommitPolicy,
Sitecore.ContentSearch">
            <Limit>300</Limit>
        </policy>
```

2. After <locations> section, add:

```
<enableItemLanguageFallback>>false</enableItemLanguageFallback>
<enableFieldLanguageFallback>>false</enableFieldLanguageFallback>
```

Changes to

App_Config\Include\Sitecore.ContentSearch.Lucene.Index.Master.config

To upgrade your

App_Config\Include\Sitecore.ContentSearch.Lucene.Index.Master.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. After <locations> section, add the following nodes:

```
<enableItemLanguageFallback>>false</enableItemLanguageFallback>
<enableFieldLanguageFallback>>false</enableFieldLanguageFallback>
```

Changes to

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Lucene.IndexConfiguration.config

To upgrade your

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Lucene.IndexConfiguration.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <index id="sitecore_testing_index"> section, replace the following node:

```
        <configuration
type="Sitecore.ContentSearch.LuceneProvider.LuceneIndexConfiguration,
Sitecore.ContentSearch.LuceneProvider">
            <indexAllFields>true</indexAllFields>
            <initializeOnAdd>true</initializeOnAdd>
            <analyzer
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/analyzer"/>
```

Sitecore Configuration File Changes

with

```
<configuration
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration">
```

2. In the `<index id="sitecore_testing_index">` section, remove the following nodes:

```
    <field fieldName="guess" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider"/>
    <field fieldName="host" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
        <analyzer
type="Sitecore.ContentSearch.LuceneProvider.Analyzers.LowerCaseKeywordAnalyzer,
Sitecore.ContentSearch.LuceneProvider" />
        </field>
    <field fieldName="content item" storageType="YES"
indexType="TOKENIZED" vectorType="NO" boost="1f" type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
        <analyzer
type="Sitecore.ContentSearch.LuceneProvider.Analyzers.LowerCaseKeywordAnalyzer,
Sitecore.ContentSearch.LuceneProvider" />
        </field>
    <field fieldName="_searchtext" storageType="YES"
indexType="TOKENIZED" vectorType="NO" boost="1f" type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider"/>
    <field fieldName="_itemuri" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider">
        <analyzer
type="Sitecore.ContentSearch.LuceneProvider.Analyzers.LowerCaseKeywordAnalyzer,
Sitecore.ContentSearch.LuceneProvider" />
        </field>
    <field fieldName="winnerCombination" storageType="YES"
indexType="TOKENIZED" vectorType="NO" boost="1f" type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider"/>
```

3. In the `<index id="sitecore_testing_index">` section, replace the following node:

```
    <include hint="list:IncludeTemplate">
    <TestDefinitionItem>{45FB02E9-70B3-4CFE-8050-
06EAD4B5DB3E}</TestDefinitionItem>
    </include>
    <fields hint="raw:RemoveSpecialFields">
    <remove type="both">AllTemplates</remove>
    <remove type="both">Created</remove>
    <remove type="both">Editor</remove>
    <remove type="both">Hidden</remove>
    <remove type="both">Icon</remove>
    <remove type="both">Links</remove>
    <remove type="both">Updated</remove>
    <remove type="both"> content</remove>
    <remove type="both">_database</remove>
    <remove type="both">_datasource</remove>
    <remove type="both">_indexname</remove>
    </fields>
    <fields hint="raw:AddComputedIndexField">
    <field
fieldName="__smallcreateddate">Sitecore.ContentSearch.ComputedFields.CreatedDate,Sitecore.Cont
entSearch</field>
    <field
fieldName=" smallupdateddate">Sitecore.ContentSearch.ComputedFields.UpdatedDate,Sitecore.Cont
entSearch</field>
    <field
fieldName="_created">Sitecore.ContentSearch.ComputedFields.CreatedDate,Sitecore.ContentSearch<
/field>
    <field
fieldName=" updated">Sitecore.ContentSearch.ComputedFields.UpdatedDate,Sitecore.ContentSearch<
/field>
```

```

        <field
fieldName="daterange month">Sitecore.ContentSearch.ComputedFields.DateRangeMonthFacet, Sitecore
.ContentSearch</field>
        <field
fieldName="daterange_week">Sitecore.ContentSearch.ComputedFields.DateRangeWeekFacet, Sitecore.C
ontentSearch</field>
        <field
fieldName="daterange year">Sitecore.ContentSearch.ComputedFields.DateRangeYearFacet, Sitecore.C
ontentSearch</field>
        <field
fieldName="parsedcreatedby">Sitecore.ContentSearch.ComputedFields.ParsedCreatedBy, Sitecore.Con
tentSearch</field>
        <field
fieldName="parsedupdatedby">Sitecore.ContentSearch.ComputedFields.ParsedUpdatedBy, Sitecore.Con
tentSearch</field>
        <field
fieldName="parsedowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ParsedOwner,
Sitecore.ContentTesting</field>
        <field
fieldName="friendlyowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.FriendlyOw
ner, Sitecore.ContentTesting</field>
        <field
fieldName="host">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItemPartial,
Sitecore.ContentTesting</field>
        <field
fieldName="hosturi">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItem,
Sitecore.ContentTesting</field>
        <field
fieldName=" templates">Sitecore.ContentSearch.ComputedFields.AllTemplates,
Sitecore.ContentSearch</field>
        <field
fieldName=" searchtext">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestSearchCo
ntent, Sitecore.ContentTesting</field>
        <field
fieldName="datasourceitems">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestData
Sources, Sitecore.ContentTesting</field>
        <field fieldName=" itemuri"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ItemUri,
Sitecore.ContentTesting"/>
        </fields>
        <fieldReaders
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/fieldReaders"/>
        <indexFieldStorageValueFormatter
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/indexFieldStorageValueF
ormatter"/>
        <indexDocumentPropertyMapper
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/indexDocumentPropertyMa
pper"/>
        <documentBuilderType
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/documentBuilderType"/>

```

with

```

<documentOptions
type="Sitecore.ContentSearch.LuceneProvider.LuceneDocumentBuilderOptions,
Sitecore.ContentSearch.LuceneProvider">
    <indexAllFields>false</indexAllFields>
    <include hint="list:AddIncludedTemplate">
        <TestDefinitionItem>{45FB02E9-70B3-4CFE-8050-
06EAD4B5DB3E}</TestDefinitionItem>
    </include>
    <include hint="list:AddIncludedField">
        <ContentItem>{8D275B38-730D-4AB1-9280-761A3FBFAD9}</ContentItem>
        <Device>{30F291C9-CF14-41BF-8173-1EE796E423D1}</Device>
        <WinnerCombination>{2225DFD3-4205-4A2D-B162-
54BCBC9F2E3B}</WinnerCombination>
        <IsRunning>{C25E3617-CA6F-4DFC-A02E-B4EA0E083D70}</IsRunning>
        <WorkflowState>{3E431DE1-525E-47A3-B6B0-
1CCBEC3A8C98}</WorkflowState>
    </include>
    <fields hint="raw:AddExcludedSpecialField">
        <field type="both">AllTemplates</field>
        <field type="both">Created</field>
        <field type="both">Editor</field>
        <field type="both">Hidden</field>
        <field type="both">Icon</field>
        <field type="both">Links</field>

```

Sitecore Configuration File Changes

```
<field type="both">Updated</field>
<remove type="both"> content</remove>
<remove type="both"> database</remove>
<remove type="both"> datasource</remove>
<remove type="both">_indexname</remove>
</fields>
<fields hint="raw:AddComputedIndexField">
  <field fieldName=" smallcreateddate"
>Sitecore.ContentSearch.ComputedFields.CreatedDate, Sitecore.ContentSearch</field>
  <field fieldName=" smallupdateddate"
>Sitecore.ContentSearch.ComputedFields.UpdatedDate, Sitecore.ContentSearch</field>
  <field
fieldName="parsedcreatedby">Sitecore.ContentSearch.ComputedFields.ParsedCreatedBy,
Sitecore.ContentSearch</field>
  <field
fieldName="parsedupdatedby">Sitecore.ContentSearch.ComputedFields.ParsedUpdatedBy,
Sitecore.ContentSearch</field>
  <field fieldName="parsedlanguage"
>Sitecore.ContentSearch.ComputedFields.ParsedLanguage, Sitecore.ContentSearch</field>
  <field
fieldName="parsedowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ParsedOwner,
Sitecore.ContentTesting</field>
  <field
fieldName="friendlyowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.FriendlyOwner,
Sitecore.ContentTesting</field>
  <field
fieldName="host">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItemPartial,
Sitecore.ContentTesting</field>
  <field
fieldName="hosturi">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItem,
Sitecore.ContentTesting</field>
  <field
fieldName="_templates">Sitecore.ContentSearch.ComputedFields.AllTemplates,
Sitecore.ContentSearch</field>
  <field
fieldName=" searchtext">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestSearchContent,
Sitecore.ContentTesting</field>
  <field
fieldName="datasourceitems">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestDataSources,
Sitecore.ContentTesting</field>
  <field fieldName=" itemuri"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ItemUri,
Sitecore.ContentTesting" />
</fields>
</documentOptions>
```

4. In the `<index id="sitecore_suggested_test_index">` section, replace the following node:

```
<configuration
type="Sitecore.ContentSearch.LuceneProvider.LuceneIndexConfiguration,
Sitecore.ContentSearch.LuceneProvider">
  <indexAllFields>true</indexAllFields>
  <initializeOnAdd>true</initializeOnAdd>
  <analyzer
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/analyzer"/>
  <fieldMap
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/fieldMap">
    <fieldNames hint="raw:AddFieldByFieldName">
      <field fieldName="_searchtext" storageType="YES"
indexType="TOKENIZED" vectorType="NO" boost="1f" type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider"/>
      <field fieldName="suggestion" storageType="YES"
indexType="TOKENIZED" vectorType="NO" boost="1f" type="System.String"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider"/>
      <field fieldName="impact" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.Double"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider"/>
      <field fieldName="potential" storageType="YES" indexType="TOKENIZED"
vectorType="NO" boost="1f" type="System.Double"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider"/>
    </fieldNames>
  </fieldMap>
</configuration>
```

```

        <field fieldName="recommendation" storageType="YES"
indexType="TOKENIZED" vectorType="NO" boost="1f" type="System.Double"
settingType="Sitecore.ContentSearch.LuceneProvider.LuceneSearchFieldConfiguration,
Sitecore.ContentSearch.LuceneProvider"/>
    </fieldNames>
</fieldMap>
<exclude hint="list:ExcludeTemplate">
    <folder>{A87A00B1-E6DB-45AB-8B54-636FEC3B5523}</folder>
    <bucket>{ADB6CA4F-03EF-4F47-B9AC-9CE2BA53FF97}</bucket>
    <mainSection>{E3E2D58C-DF95-4230-ADC9-279924CECE84}</mainSection>
</exclude>
<fields hint="raw:AddComputedIndexField">
    <field
fieldName="  smallcreateddate">Sitecore.ContentSearch.ComputedFields.CreatedDate, Sitecore.Cont
entSearch</field>
        <field
fieldName="__smallupdateddate">Sitecore.ContentSearch.ComputedFields.UpdatedDate, Sitecore.Cont
entSearch</field>
            <field
fieldName="  created">Sitecore.ContentSearch.ComputedFields.CreatedDate, Sitecore.ContentSearch<
/field>
                <field
fieldName="  _updated">Sitecore.ContentSearch.ComputedFields.UpdatedDate, Sitecore.ContentSearch<
/field>
                    <field
fieldName="daterange month">Sitecore.ContentSearch.ComputedFields.DateRangeMonthFacet, Sitecore
.ContentSearch</field>
                        <field
fieldName="daterange week">Sitecore.ContentSearch.ComputedFields.DateRangeWeekFacet, Sitecore.C
ontentSearch</field>
                            <field
fieldName="daterange year">Sitecore.ContentSearch.ComputedFields.DateRangeYearFacet, Sitecore.C
ontentSearch</field>
                                <field
fieldName="parsedcreatedby">Sitecore.ContentSearch.ComputedFields.ParsedCreatedBy, Sitecore.Con
tentSearch</field>
                                    <field
fieldName="parsedupdatedby">Sitecore.ContentSearch.ComputedFields.ParsedUpdatedBy, Sitecore.Con
tentSearch</field>
                                        <field
fieldName="parsedowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ParsedOwner,
Sitecore.ContentTesting</field>
                                            <field
fieldName="friendlyowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.FriendlyOw
ner, Sitecore.ContentTesting</field>
                                                <field
fieldName="host">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItemPartial,
Sitecore.ContentTesting</field>
                                                    <field
fieldName="hosturi">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItem,
Sitecore.ContentTesting</field>
                                                        <field
fieldName="  templates">Sitecore.ContentSearch.ComputedFields.AllTemplates,
Sitecore.ContentSearch</field>
                                                            <field
fieldName="  _searchtext">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestSearchCo
ntent, Sitecore.ContentTesting</field>
                                                                <field
fieldName="suggestion">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.SuggestedTest
s, Sitecore.ContentTesting</field>
                                                                    <field
fieldName="impact">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestImpactMetric,
Sitecore.ContentTesting</field>
                                                                        <field
fieldName="potential">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestPotentialM
etric, Sitecore.ContentTesting</field>
                                                                            <field
fieldName="recommendation">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestRecom
mendationMetric, Sitecore.ContentTesting</field>
                                                                                </fields>
</fieldReaders
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/fieldReaders"/>
    <indexFieldStorageValueFormatter
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/indexFieldStorageValueF
ormatter"/>

```


Sitecore Configuration File Changes

```
<indexDocumentPropertyMapper
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/indexDocumentPropertyMa
pper"/>
<documentBuilderType
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/documentBuilderType"/>
```

with

```
<configuration
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration">
  <fieldMap
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/fieldMap" />
  <documentOptions
ref="contentSearch/indexConfigurations/defaultLuceneIndexConfiguration/documentOptions">
    <indexAllFields>false</indexAllFields>
    <exclude hint="list:AddExcludedTemplate">
      <folder>{A87A00B1-E6DB-45AB-8B54-636FEC3B5523}</folder>
      <bucket>{ADB6CA4F-03EF-4F47-B9AC-9CE2BA53FF97}</bucket>
      <mainSection>{E3E2D58C-DF95-4230-ADC9-279924CECE84}</mainSection>
    </exclude>
    <fields hint="raw:AddExcludedSpecialField">
      <remove type="both">_content</remove>
      <remove type="both"> database</remove>
      <remove type="both"> datasource</remove>
      <remove type="both"> indexname</remove>
    </fields>
    <fields hint="raw:AddComputedIndexField">
      <field
fieldName="parsedowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ParsedOwner,
Sitecore.ContentTesting</field>
      <field
fieldName="friendlyowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.FriendlyOw
ner, Sitecore.ContentTesting</field>
      <field
fieldName="host">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItemPartial,
Sitecore.ContentTesting</field>
      <field
fieldName="hosturi">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItem,
Sitecore.ContentTesting</field>
      <field
fieldName=" templates">Sitecore.ContentSearch.ComputedFields.AllTemplates,
Sitecore.ContentSearch</field>
      <field
fieldName="_searchtext">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestSearchCo
ntent, Sitecore.ContentTesting</field>
      <field
fieldName="suggestion">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.SuggestedTest
s, Sitecore.ContentTesting</field>
      <field
fieldName="impact">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestImpactMetric,
Sitecore.ContentTesting</field>
      <field
fieldName="potential">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestPotentialM
etric, Sitecore.ContentTesting</field>
      <field
fieldName="recommendation">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestRecom
mendationMetric, Sitecore.ContentTesting</field>
    </fields>
  </documentOptions>
```

Changes to

App_Config\Include\ListManagement\Sitecore.ListManagement.Client.config

To upgrade your

App_Config\Include\ListManagement\Sitecore.ListManagement.Client.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. At the end of the <sitecore> section, add the following node:

```
<appDependencies>
  <xdb>
    <app id="{F7864BD2-ED99-48B7-9C68-C16D0D5624D6}" name="List Manager" />
```

```
</xdb>
</appDependencies>
```

Changes to

App_Config\Include\Sitecore.ContentSearch.Solr.DefaultIndexConfiguration.config.example

To upgrade your

App_Config\Include\Sitecore.ContentSearch.Solr.DefaultIndexConfiguration.config.example configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. After the <fieldMap> section, add the following node:

```
<documentOptions
type="Sitecore.ContentSearch.SolrProvider.SolrDocumentBuilderOptions,
Sitecore.ContentSearch.SolrProvider">
```

2. In the <defaultSolrIndexConfiguration> section, replace the following node:

```
<exclude hint="list:ExcludeTemplate">
```

with

```
<exclude hint="list:AddExcludedTemplate">
```

3. In the <defaultSolrIndexConfiguration> section, replace the following node:

```
<include hint="list:IncludeTemplate">
```

with

```
<include hint="list:AddIncludedTemplate">
```

4. In the <defaultSolrIndexConfiguration> section, replace the following node:

```
<include hint="list:IncludeField">
```

with

```
<include hint="list:AddIncludedField">
```

5. In the <defaultSolrIndexConfiguration> section, replace the following node:

```
<exclude hint="list:ExcludeField">
```

with

```
<exclude hint="list:AddExcludedField">
```

6. In the <defaultSolrIndexConfiguration> section, replace the following node:

```
<fields hint="raw:RemoveSpecialFields">
```

with

```
<fields hint="raw:AddExcludedSpecialField">
```

7. In the <fields> section, after the <field fieldName="parsedcreatedby" ...> node, add the following node:

```
<field fieldName="parsedupdatedby" returnType="string"
>Sitecore.ContentSearch.ComputedFields.ParsedUpdatedBy, Sitecore.ContentSearch</field>
```

8. After the <defaultSolrIndexConfiguration><fields hint="raw:AddComputedIndexField"> section, add the following node:

```
</documentOptions>
```

9. In the <defaultSolrIndexConfiguration> section, replace the <virtualFieldProcessors> node with the following:

```
<!-- VIRTUAL FIELDS
Virtual fields can be used to translate a field query into a different
query.
-->
```

Sitecore Configuration File Changes

```
<virtualFields type="Sitecore.ContentSearch.VirtualFieldProcessorMap,
Sitecore.ContentSearch">
  <processors hint="raw:AddFromConfiguration">
    <add fieldName="daterange"
type="Sitecore.ContentSearch.VirtualFields.DateRangeFieldProcessor, Sitecore.ContentSearch" />
    <add fieldName="_lastestversion"
type="Sitecore.ContentSearch.VirtualFields.LatestVersionFieldProcessor,
Sitecore.ContentSearch" />
    <add fieldName="updateddaterange"
type="Sitecore.ContentSearch.VirtualFields.UpdatedDateRangeFieldProcessor,
Sitecore.ContentSearch" />
    <add fieldName="_url"
type="Sitecore.ContentSearch.VirtualFields.UniqueIdFieldProcessor, Sitecore.ContentSearch" />
    <add fieldName=" fullpath"
type="Sitecore.ContentSearch.VirtualFields.FullPathFieldProcessor, Sitecore.ContentSearch" />
  </processors>
</virtualFields>
```

10. In the <settings> section, remove the following setting:

```
<!-- CONTENT SEARCH SEARCH MAX RESULTS
The max number of results that a query returns.
If a limit is not specified in the query (ie Take(10)) the search will use
this value to set the number of rows returned.
It is important, for performance, that only the rows you need for a single
request or page of results is returned.
-->
<setting name="ContentSearch.SearchMaxResults" value="500" />
```

Changes to

App_Config\Include\Sitecore.ContentSearch.Solr.Index.Master.config.example

To upgrade your

App_Config\Include\Sitecore.ContentSearch.Solr.Index.Master.config.example configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. After <locations> section, add the following nodes:

```
<enableItemLanguageFallback>>false</enableItemLanguageFallback>
<enableFieldLanguageFallback>>false</enableFieldLanguageFallback>
```

Changes to

App_Config\Include\Sitecore.ContentSearch.Solr.Index.Web.config.example

To upgrade your

App_Config\Include\Sitecore.ContentSearch.Solr.Index.Web.config.example configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. After <locations> section, add the following nodes:

```
<enableItemLanguageFallback>>false</enableItemLanguageFallback>
<enableFieldLanguageFallback>>false</enableFieldLanguageFallback>
```

Changes to

App_Config\Include\Sitecore.ContentSearch.Solr.Index.Analytics.config.example

To upgrade your

App_Config\Include\Sitecore.ContentSearch.Solr.Index.Analytics.config.example configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. In the <documentOptions> section, add the <fieldNames><fields hint="raw:AddComputedIndexField"> node.

After this change, the section should look like this:

```
<documentOptions
ref="contentSearch/indexConfigurations/defaultSolrIndexConfiguration/documentOptions">
  <fields hint="raw:AddComputedIndexField">
    <field fieldName="Contact.FullName"
type="Sitecore.ContentSearch.ComputedFields.CompositeTextField, Sitecore.ContentSearch"
      matchField="type" matchValue="contact" separator=" ">
      <part>Contact.Title</part>
      <part>Contact.FirstName</part>
      <part>Contact.MiddleName</part>
      <part>Contact.Surname</part>
      <part>Contact.Suffix</part>
    </field>
  </fields>
</documentOptions>
```

Changes to

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Solr.IndexConfiguration.config.disabled

To upgrade your

App_Config\Include\ContentTesting\Sitecore.ContentTesting.Solr.IndexConfiguration.config.disabled configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In the <index id="sitecore_testing_index"> section, remove the following nodes:

```
<include hint="list:IncludeTemplate">
  <TestDefinitionItem>{45FB02E9-70B3-4CFE-8050-
06EAD4B5DB3E}</TestDefinitionItem>
</include>
<fields hint="raw:RemoveSpecialFields">
  <remove type="both"> uniqueid</remove>
</fields>
```

2. In the <index id="sitecore_testing_index"> section, replace the following nodes:

```
<fields hint="raw:AddComputedIndexField">
  <field
fieldName="parsedowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ParsedOwner,
Sitecore.ContentTesting</field>
  <field
fieldName="friendlyowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.FriendlyOwner,
Sitecore.ContentTesting</field>
  <field
fieldName="host">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItemPartial,
Sitecore.ContentTesting</field>
  <field
fieldName="hosturi">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItem,
Sitecore.ContentTesting</field>
  <field
fieldName="_searchtext">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestSearchContent,
Sitecore.ContentTesting</field>
  <field
fieldName="datasourceitems">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestDataSources,
Sitecore.ContentTesting</field>
  <!-- Need to ensure the uniqueid will not clash with items in the
sitecore_master_index -->
  <field fieldName="_uniqueid"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.PrefixedUniqueId,
Sitecore.ContentTesting">
    <Prefix>[sitecore testing index]</Prefix>
  </field>
  <field fieldName="_itemuri"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ItemUri,
Sitecore.ContentTesting"/>
</fields>
```

Sitecore Configuration File Changes

with

```
<documentOptions
type="Sitecore.ContentSearch.SolrProvider.SolrDocumentBuilderOptions,
Sitecore.ContentSearch.SolrProvider">
  <indexAllFields>>false</indexAllFields>
  <include hint="list:AddIncludedTemplate">
    <TestDefinitionItem>{45FB02E9-70B3-4CFE-8050-
06EAD4B5DB3E}</TestDefinitionItem>
  </include>
  <include hint="list:AddIncludedField">
    <ContentItem>{8D275B38-730D-4AB1-9280-761A3FBFEFAD9}</ContentItem>
    <Device>{30F291C9-CF14-41BF-8173-1EE796E423D1}</Device>
    <WinnerCombination>{2225DFD3-4205-4A2D-B162-
54BCBC9F2E3B}</WinnerCombination>
    <IsRunning>{C25E3617-CA6F-4DFC-A02E-B4EA0E083D70}</IsRunning>
    <WorkflowState>{3E431DE1-525E-47A3-B6B0-
1CCBEC3A8C98}</WorkflowState>
  </include>
  <fields hint="raw:AddExcludedSpecialField">
    <field type="both">AllTemplates</field>
    <field type="both">Created</field>
    <field type="both">Editor</field>
    <field type="both">Hidden</field>
    <field type="both">Icon</field>
    <field type="both">Links</field>
    <field type="both">Updated</field>
    <remove type="both"> content</remove>
  </fields>
  <fields hint="raw:AddComputedIndexField">
    <field fieldName=" smallcreateddate"
returnType="string">Sitecore.ContentSearch.ComputedFields.CreatedDate,
Sitecore.ContentSearch</field>
    <field fieldName=" smallupdateddate"
returnType="string">Sitecore.ContentSearch.ComputedFields.UpdatedDate,
Sitecore.ContentSearch</field>
    <field fieldName="parsedowner" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ParsedOwner,
Sitecore.ContentTesting" />
    <field fieldName="friendlyowner" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.FriendlyOwner,
Sitecore.ContentTesting" />
    <field fieldName="host" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItemPartial,
Sitecore.ContentTesting" />
    <field fieldName="hosturi" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItem,
Sitecore.ContentTesting" />
    <field fieldName="_searchtext" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestSearchContent,
Sitecore.ContentTesting" />
    <field fieldName="datasourceitems" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestDataSources,
Sitecore.ContentTesting" />
    <field fieldName="_itemuri"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ItemUri,
Sitecore.ContentTesting" />
  </fields>
</documentOptions>
```

3. In the `<index id="sitecore_suggested_test_index">` section, replace the following nodes:

```
<exclude hint="list:ExcludeTemplate">
  <folder>{A87A00B1-E6DB-45AB-8B54-636FEC3B5523}</folder>
  <bucket>{ADB6CA4F-03EF-4F47-B9AC-9CE2BA53FF97}</bucket>
  <mainSection>{E3E2D58C-DF95-4230-ADC9-279924CECE84}</mainSection>
</exclude>
<fields hint="raw:RemoveSpecialFields">
  <remove type="both">_uniqueid</remove>
</fields>
<fields hint="raw:AddComputedIndexField">
  <field
fieldName="parsedowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ParsedOwner,
Sitecore.ContentTesting</field>
```

```

        <field
fieldName="friendlyowner">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.FriendlyOwner, Sitecore.ContentTesting</field>
        <field
fieldName="host">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItemPartial, Sitecore.ContentTesting</field>
        <field
fieldName="hosturi">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItem, Sitecore.ContentTesting</field>
        <field
fieldName="_searchtext">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestSearchContent, Sitecore.ContentTesting</field>
        <field
fieldName="suggestion">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.SuggestedTests, Sitecore.ContentTesting</field>
        <field
fieldName="impact">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestImpactMetric, Sitecore.ContentTesting</field>
        <field
fieldName="potential">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestPotentialMetric, Sitecore.ContentTesting</field>
        <field
fieldName="recommendation">Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestRecommendationMetric, Sitecore.ContentTesting</field>
        <!-- Need to ensure the uniqueid will not clash with items in the
sitecore master index -->
        <field fieldName="_uniqueid"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.PrefixedUniqueId, Sitecore.ContentTesting">
            <Prefix>[sitecore suggested test index]</Prefix>
        </field>
    </fields>

```

with

```

<documentOptions
ref="contentSearch/indexConfigurations/defaultSolrIndexConfiguration/documentOptions">
    <indexAllFields>>false</indexAllFields>
    <exclude hint="list:AddExcludedTemplate">
        <folder>{A87A00B1-E6DB-45AB-8B54-636FEC3B5523}</folder>
        <mainSection>{E3E2D58C-DF95-4230-ADC9-279924CECE84}</mainSection>
    </exclude>
    <fields hint="raw:AddComputedIndexField">
        <field fieldName="parsedowner" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.ParsedOwner, Sitecore.ContentTesting" />
        <field fieldName="friendlyowner" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.FriendlyOwner, Sitecore.ContentTesting" />
        <field fieldName="host" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItemPartial, Sitecore.ContentTesting" />
        <field fieldName="hosturi" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.HostItem, Sitecore.ContentTesting" />
        <field fieldName="_searchtext" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestSearchContent, Sitecore.ContentTesting" />
        <field fieldName="suggestion" returnType="string"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.SuggestedTests, Sitecore.ContentTesting" />
        <field fieldName="impact" returnType="double"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestImpactMetric, Sitecore.ContentTesting" />
        <field fieldName="potential" returnType="double"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestPotentialMetric, Sitecore.ContentTesting" />
        <field fieldName="recommendation" returnType="double"
type="Sitecore.ContentTesting.ContentSearch.ComputedIndexFields.TestRecommendationMetric, Sitecore.ContentTesting" />
    </fields>
</documentOptions>

```

Sitecore Configuration File Changes

Changes to

App_Config\Include\ListManagement\Sitecore.ListManagement.Services.config

To upgrade your

App_Config\Include\ListManagement\Sitecore.ListManagement.Services.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following change:

1. Remove the <pipelines> section.

Changes to App_Config\Include\Sitecore.Speak.Important.config

To upgrade your Sitecore.Speak.Important.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Copy the whole <speaking.client.resolveScript> section from your existing configuration file, and in the newly added App_Config\Include\001.Sitecore.Speak.Important.config configuration file, replace the same section.

This section is located between the <speaking.client.resolveRequire> and <speaking.logout> sections.

2. Remove the Sitecore.Speak.Important.config configuration file.

Changes to

App_Config\Include\FXM\Sitecore.FXM.Lucene.Index.DomainsSearch.config

To upgrade your Sitecore.FXM.Lucene.Index.DomainsSearch.config configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. In your existing configuration file, copy the <configuration> section which starts with:

```
<configuration type="Sitecore.ContentSearch.ContentSearchConfiguration,
Sitecore.ContentSearch">
  <indexes hint="list:AddIndex">
    <index id="sitecore fxm web index"
type="Sitecore.ContentSearch.LuceneProvider.LuceneIndex,
Sitecore.ContentSearch.LuceneProvider">
```

In the newly added

App_Config\Include\FXM\Sitecore.FXM.Lucene.Index.DomainsSearch.Index.Web.config configuration file, in the <contentSearch> section, replace the same section.

2. In your existing configuration file, copy the whole <configuration> section which starts with

```
<configuration type="Sitecore.ContentSearch.ContentSearchConfiguration,
Sitecore.ContentSearch">
  <indexes hint="list:AddIndex">
    <index id="sitecore_fxm_master_index"
type="Sitecore.ContentSearch.LuceneProvider.LuceneIndex,
Sitecore.ContentSearch.LuceneProvider">
```

In the newly added

App_Config\Include\FXM\Sitecore.FXM.Lucene.Index.Master.config configuration file, in the <contentSearch> section, replace the same section.

3. Rename the file as Sitecore.FXM.Lucene.Index.DefaultIndexConfiguration.config.
4. Remove the <fields hint="raw:AddComputedIndexField"> section.

5. Replace the following nodes:

```
<indexAllFields>>false</indexAllFields>
  <initializeOnAdd>>true</initializeOnAdd>

  <include hint="list:IncludeTemplate">
    <domainMatcherTemplateId>{036DB470-1850-4848-A48A-
0931F825B867}</domainMatcherTemplateId>
  </include>

  <include hint="list:IncludeField">
    <fieldId>{B5E02AD9-D56F-4C41-A065-A133DB87BDEB}</fieldId>
    <!-- display name -->
  </include>
```

with

```
<documentOptions
type="Sitecore.ContentSearch.LuceneProvider.LuceneDocumentBuilderOptions,
Sitecore.ContentSearch.LuceneProvider">

  <indexAllFields>>false</indexAllFields>

  <include hint="list:AddIncludedTemplate">
    <domainMatcherTemplateId>{036DB470-1850-4848-A48A-
0931F825B867}</domainMatcherTemplateId>
  </include>

  <include hint="list:AddIncludedField">
    <fieldId>{B5E02AD9-D56F-4C41-A065-A133DB87BDEB}</fieldId>
    <!-- display name -->
  </include>

  <fields hint="raw:AddComputedIndexField">
    <field
fieldName="urllink">Sitecore.ContentSearch.ComputedFields.UrlLink, Sitecore.ContentSearch</fiel
d>
    <field
fieldName="createdby">Sitecore.FXM.Service.Data.DomainMatchers.ContentSearch.ComputedFields.Cr
eatedBy, Sitecore.FXM.Service</field>
    <field
fieldName="updatedby">Sitecore.FXM.Service.Data.DomainMatchers.ContentSearch.ComputedFields.Up
datedBy, Sitecore.FXM.Service</field>
    <field
fieldName="revision">Sitecore.FXM.Service.Data.DomainMatchers.ContentSearch.ComputedFields.Rev
ision, Sitecore.FXM.Service</field>
    <field
fieldName="domainmatchrule">Sitecore.FXM.Service.Data.DomainMatchers.ContentSearch.ComputedFie
lds.DomainMatcherRule, Sitecore.FXM.Service</field>
  </fields>

</documentOptions>

<initializeOnAdd>>true</initializeOnAdd>
```

Changes to App_Config\Include\FXM\ Sitecore.FXM.Solr.Index.DomainsSearch.config.disabled

To upgrade your Sitecore.FXM.Solr.Index.DomainsSearch.config.disabled configuration file to Sitecore 8.1 rev. 151003 (Initial Release), make the following changes:

1. Copy the whole `<index id="sitecore_fxm_master_index" ...>` section from your existing configuration file, and in the newly added `App_Config\Include\FXM\ Sitecore.FXM.Solr.DomainsSearch.Index.Web.config.disabled` configuration file, in the `<indexes hint="list:AddIndex">` section, replace the same section.
2. Copy the whole `<index id="sitecore_fxm_web_index" ...>` section, and in the newly added `App_Config\Include\FXM\ Sitecore.FXM.Solr.DomainsSearch.Index.Master.config.disabled` configuration file, in the `<indexes hint="list:AddIndex">` section, replace the same section.

Sitecore Configuration File Changes

3. Rename file as `Sitecore.FXM.Solr.DomainsSearch.DefaultIndexConfiguration.config.disabled`.
4. Remove the `<fields hint="raw:AddComputedIndexField">` section.
5. Replace the following sections:

```
<indexAllFields>>false</indexAllFields>
  <include hint="list:IncludeTemplate">
    <domainMatcherTemplateId>{036DB470-1850-4848-A48A-0931F825B867}</domainMatcherTemplateId>
  </include>
  <include hint="list:IncludeField">
    <!-- display name -->
    <fieldId>{B5E02AD9-D56F-4C41-A065-A133DB87BDEB}</fieldId>
  </include>
```

with

```
<documentOptions type="Sitecore.ContentSearch.SolrProvider.SolrDocumentBuilderOptions,
Sitecore.ContentSearch.SolrProvider">

  <indexAllFields>>false</indexAllFields>

  <include hint="list:AddIncludedTemplate">
    <domainMatcherTemplateId>{036DB470-1850-4848-A48A-0931F825B867}</domainMatcherTemplateId>
  </include>

  <include hint="list:AddIncludedField">
    <!-- display name -->
    <fieldId>{B5E02AD9-D56F-4C41-A065-A133DB87BDEB}</fieldId>
  </include>

  <fields hint="raw:AddComputedIndexField">
    <field fieldName="createdby"
returnType="string">Sitecore.FXM.Service.Data.DomainMatchers.ContentSearch.ComputedFields.CreatedBy, Sitecore.FXM.Service</field>
    <field fieldName="updatedby"
returnType="string">Sitecore.FXM.Service.Data.DomainMatchers.ContentSearch.ComputedFields.UpdatedBy, Sitecore.FXM.Service</field>
    <field fieldName="revision"
returnType="string">Sitecore.FXM.Service.Data.DomainMatchers.ContentSearch.ComputedFields.Revision, Sitecore.FXM.Service</field>
    <field fieldName="domainmatchrule"
returnType="string">Sitecore.FXM.Service.Data.DomainMatchers.ContentSearch.ComputedFields.DomainMatcherRule, Sitecore.FXM.Service</field>
  </fields>

</documentOptions>
```

Deleted configuration files

In this update the following files were deleted. You should exclude them from your instance:

- `App_Config\Include\.Sitecore.Speak.Important.config`
- `App_Config\Include\FXM\Sitecore.FXM.Lucene.Index.DomainsSearch.config`
- `App_Config\Include\FXM\Sitecore.FXM.Solr.Index.DomainsSearch.config.disabled`
- `App_Config\Include\FXM\Sitecore.Services.Client.FXM.Enabler.config.disabled`

Added configuration files

In this update, the following files were added. You should download the clean configuration files from the [Sitecore Developer Portal](#):

- App_Config\Sitecore.config
- App_Config\Include\001.Sitecore.Speak.Important.config
- App_Config\Include\Sitecore.Analytics.MarketingTaxonomyCD.config.disabled
- App_Config\Include\Sitecore.Analytics.Tracking.Outcome.config
- App_Config\Include\Sitecore.JSNLog.config
- App_Config\Include\Sitecore.LanguageFallback.config
- App_Config\Include\Sitecore.Marketing.Definitions.MarketingAssets.RepositoriesCD.config.disabled
- App_Config\Include\Sitecore.Marketing.Lucene.Index.Master.config
- App_Config\Include\Sitecore.Marketing.Lucene.Index.Web.config
- App_Config\Include\Sitecore.Marketing.Lucene.IndexConfiguration.config
- App_Config\Include\Sitecore.Marketing.Search.config
- App_Config\Include\Sitecore.Marketing.Solr.Index.Master.config.disabled
- App_Config\Include\Sitecore.Marketing.Solr.Index.Web.config.disabled
- App_Config\Include\Sitecore.Marketing.Solr.IndexConfiguration.config.disabled
- App_Config\Include\Sitecore.MarketingCD.config.disabled
- App_Config\Include\Sitecore.MarketingProcessingRole.config.disabled
- App_Config\Include\Sitecore.MarketingReportingRole.config.disabled
- App_Config\Include\Sitecore.Speak.Components.config
- App_Config\Include\Sitecore.Xdb.config
- App_Config\Include\CES\Sitecore.CES.config
- App_Config\Include\CES\Sitecore.CES.DeviceDetection.CheckInitialization.config.disabled
- App_Config\Include\CES\Sitecore.CES.DeviceDetection.config
- App_Config\Include\CES\Sitecore.CES.GeoIp.LegacyLocation.config
- App_Config\Include\CES\Sitecore.CES.GeoIp.config
- App_Config\Include\FXM\Sitecore.FXM.Lucene.DomainsSearch.DefaultIndexConfiguration.config
- App_Config\Include\FXM\Sitecore.FXM.Lucene.DomainsSearch.Index.Master.config
- App_Config\Include\FXM\Sitecore.FXM.Lucene.DomainsSearch.Index.Web.config
- App_Config\Include\FXM\Sitecore.FXM.Solr.DomainsSearch.DefaultIndexConfiguration.config.disabled

Sitecore Configuration File Changes

- `App_Config\Include\FXM\Sitecore.FXM.Solr.DomainsSearch.Index.Master.config.disabled`
- `App_Config\Include\FXM\Sitecore.FXM.Solr.DomainsSearch.Index.Web.config.disabled`
- `App_Config\Include\Marketing\Sitecore.Marketing.Campaigns.Client.config`
- `App_Config\Include\Marketing\Sitecore.Marketing.Campaigns.Services.config`