Quick Installation Guide for a Single Developer Workstation

A quick guide to installing the Sitecore XP Single Developer topology.

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Sitecore Experience Platform 9.3.0

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1. Choosing a topology

Before you install Sitecore Experience Platform, you must choose the topology or the type of instance that you want to install.

Sitecore supports the following topologies for on-premise installations by default:

- XP Single Developer (XP0)
- XM Scaled (XM1)
- XP Scaled (XP1)

This guide describes how to install the XP Single Developer topology.

This guide describes how to install the XP Scaled topology.

This guide describes how to install the XM Scaled topology.

If you want to install one of the other topologies, download the installation guide for that topology.

You can configure the topology to match your business needs. There are several scalability options that you can use to achieve better performance, cope with greater website demand, and manage large amounts of website traffic. For more information about scaling, see Scaling scenarios.

Azure Cloud supports additional deployment topologies. For more information, see the documentation about Sitecore configurations and topology for Azure.

> **IMPORTANT**
> To deploy Sitecore XP in Azure Cloud, you must use Sitecore Azure Toolkit and the appropriate Sitecore Azure WDPs.

> **NOTE**
> If you want to install an XM Single topology, you must install the CM instance from the XM Scaled topology and then in the `web.config` file, specify the following setting:
>
> ```
> <add key="role:define" value="Standalone" />
> ```

This chapter contains the following sections:

- On-premise topology options
- Developer topologies
- Developer installation options

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1.1. On-premise topology options

The following topologies are available:

Deployment topology	Description
XP Single Developer (XP0)	Use this topology for local development and testing. The Sitecore Experience Platform, runs as three single instances: Sitecore, xConnect, and Sitecore Identity server. The Experience Database (xDB) is partially included in the Sitecore and xConnect instances. **NOTE** For security and scalability reasons, in production environments, it is best practice to use the XM Scaled (XM1) or XP Scaled (XP1) configuration. This option runs all the services on a single server.
XM Scaled (XM1)	Use this topology if you are not planning to use the analytics and marketing features in the Sitecore Experience Platform. The Sitecore Experience Manager configuration (similar to CMS-only mode) runs the Content Delivery (CD), Content Management (CM) server roles and the Sitecore Identity server. **NOTE** When you select this topology, xDB and xConnect are not available. This option runs the services on one or more servers.
XP Scaled (XP1)	Use this topology if you are planning a fully featured Sitecore Experience Platform installation. The Sitecore Experience Platform configuration runs the following separated server roles: • Content Delivery • Content Management • Email Experience Dedicated Dispatch Server (optional) • Sitecore Identity • Processing • Reporting • xConnect Collection • xConnect Collection Search • xDB Reference Data • xDB Automation Operations • xDB Automation Reporting • Sitecore Cortex™ Processing Engine • Sitecore Cortex™ Reporting service This option runs the services on one or more servers.

There are two different ways to install Experience Manager (XM). You can use:

- Sitecore XM Scaled topology packages.

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- Sitecore XP Single or the XP Scaled topology packages and then configure the installation to run in CMS-only mode.

In a Sitecore Experience Manager installation, the functionality that you can use is different depending on how you installed Sitecore XM.

NOTE
In a scaled environment, you must consider how to configure your session state provider. For more information, see the section Configure session state providers.

NOTE
This document does not describe how to configure the Sitecore Email Experience Manager. For more information, see the Sitecore Email Campaign Manager documentation.

1.2. Sitecore Experience Platform Developer installation options

You can use the Sitecore Installation Framework (SIF) or the Sitecore Install Assistant (SIA) to install the Sitecore XP0 topology.

Sitecore Installation Framework (SIF) is a Microsoft® PowerShell module that supports local and remote installations of Sitecore Experience Platform.

Sitecore Install Assistant (SIA), introduced in version 9.2.0, contains an intuitive graphical user interface that guides you through the installation process. In addition to being easier to use than SIF, it also:

- Optionally installs and configures the required version of the Solr search service.
  Solr is a prerequisite for installing all Sitecore Experience platform topologies.
- Optionally installs Sitecore Experience Accelerator (SXA).
- Configures the Microsoft Windows Server options, configuration settings, and applications required by Sitecore Experience Platform.
- Validates the specified installation parameters and settings.

The following is an example of a page in the Sitecore Install Assistant:

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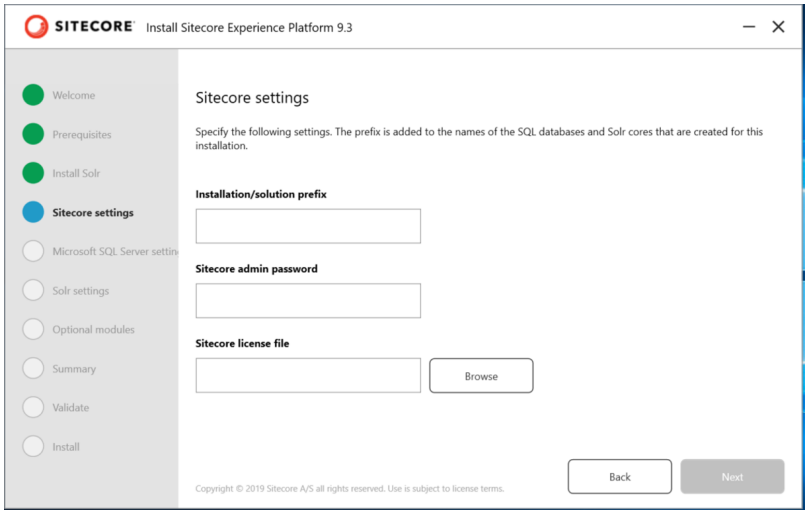

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2. Server requirements

Before installing Sitecore Experience Platform 9.3.0, you must ensure that you have all of the requirements and prerequisites in place.

If you are using Sitecore Install Assistant (SIA) to install Sitecore XP Single Developer (XP0), most of the software prerequisites and requirements are managed by SIA.

This chapter contains the following sections:

- Hardware requirements for a server running a singl...
- IIS requirements
- Operating system requirements
- .NET requirements
- Microsoft Visual C++ 2015 redistributable requirem...
- Database requirements
- Enable Contained Database Authentication
- Search indexing requirements
- Installing Solr
- Antivirus software considerations
- Prerequisites for using the Sitecore Installation Frame...

2.1. Hardware requirements for a server running a single Sitecore installation

To run a single Sitecore installation, the minimum configuration requirements are:

- 4 core processor
- 16 GB of RAM

> **NOTE**
> The recommended hardware requirements are for running the software on a single computer. For more information about running Sitecore on different kinds of hardware, consult your Sitecore partner or technical sales representative.

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2.2. IIS requirements

Sitecore Experience Platform can be hosted on the following IIS versions:

- IIS 10.0

You must use the version of IIS that your operating system supports. For more information about IIS and operating systems, see Microsoft's documentation.

Sitecore Experience Platform does not officially support any other ASP.NET web servers such as IIS Express, or Mono Web Server.

Sitecore Experience Platform neither supports nor allows multiple IIS website definitions to point to the same Sitecore web root.

2.3. Operating system requirements

Sitecore Experience Platform 9.3.0 is only compatible with the client and server operating systems that support .NET Framework 4.7.2.

Sitecore Experience Platform can be hosted on the following Microsoft operating systems:

- Windows Server 2019
- Windows Server 2016
- Windows 10 (64-bit)

IMPORTANT
You must enable the Transport Layer Security (TLS) protocol version 1.2 on all of your Sitecore Experience Platform content management and Dedicated Dispatch servers (DDS).

For more information about enabling TLS 1.2, see Microsoft's documentation.

IMPORTANT
Run Windows Update and install all the appropriate service packs and security updates.

IMPORTANT
Run Windows Update and install all the appropriate service packs and security updates on all of your Sitecore Experience Platform server and client computers.

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2.4. .NET requirements

Sitecore Experience Platform 9.3.0 requires .NET Framework 4.7.1, 4.7.2, or .NET Framework 4.8.

Sitecore Identity server requires .NET Core 2.1.12 Windows Hosting Module or later.

You must apply any available updates to the .NET Framework on every Sitecore installation.

2.5. Microsoft Visual C++ 2015 redistributable requirements

Sitecore Experience Platform 9.0 Update-1 introduced a new prerequisite for the Microsoft Visual C++ 2015 Redistributable. For more information, see Microsoft's documentation.

> **NOTE**
> This redistributable may already be installed with Microsoft Windows. Without it, Sitecore Experience Platform will fail to start up with the message:
>
> *Could not load file or assembly 'ChilkatDotNet46.dll' or one of its dependencies. The specified module could not be found*.

2.6. Database requirements

Sitecore Experience Platform 9.3.0 supports the following database servers:

- Microsoft SQL Server 2016 SP2 and 2017
  This is required if you are going to use SQL Server for the Experience Database (xDB).
- MongoDB Server 4.0.5
  This is required if you are going to use MongoDB for the Experience Database (xDB) or as a Session State Provider.
  This is required if you are going to use MongoDB as a Session State Provider.

> **NOTE**
> Sitecore Experience Platform 9.3.0 does not support the MongoDB MMAPv1 storage engine because the storage engine does not support retryable writes.

2.6.1. Microsoft SQL Server drivers

Sitecore Installation Framework requires the following SQL driver and it is installed automatically during the automatic prerequisite installation process:

- Microsoft ODBC Driver 13 for SQL Server

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If you decide to install the prerequisites manually, you must also install the driver on the xConnect application server before running the Sitecore Installation Framework installation template for xConnect or the Single Developer workstation.

2.6.2. Database collation

All of the databases in Sitecore Experience Platform use the *SQL_Latin1_General_CP1_CI_AS* collation, except the *Reference Data* database that uses the case sensitive *Latin1_General_CS_AS* collation.

This is because comparisons in the *Reference Data* database are case sensitive and they are not case sensitive in the other databases.

2.7. Enable Contained Database Authentication

When you use Web Deploy Packages, you must ensure that the target SQL Server is configured to allow users and logins to be contained at the database level.

To configure the target SQL Server:

1. Launch Microsoft SQL Server Management Studio and log in as an administrator.
2. Run the following new query:

```
EXEC sp_configure 'contained', 1;
RECONFIGURE;
```

NOTE
For more information about the contained database authentication option, see Microsoft's documentation.

2.8. Search indexing requirements

Sitecore Experience Platform 9.3.0 supports the following search providers:

- Solr 8.1.1
  Solr is the default search provider and supports both content search and analytics search. Solr is required to use the Sitecore Installation Framework (SIF).
- Azure Search
  The Azure Search provider is supported and recommended for Azure Cloud PaaS deployments only. Azure search supports both content search and analytics search.
  In PaaS solutions, you can use Azure Search, Solr, or SolrCloud in Azure. In on-premise solutions, the Sitecore Installation Framework requires Solr to deploy. After the deployment you can switch the indexing to use Azure Search. For more information, see Configure Azure Search.

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NOTE
Support for Lucene has been removed in Sitecore Experience Platform 9.3.0.

For more information about how to install and manage these index providers in Sitecore Experience Platform, see the Sitecore documentation.

Since Sitecore XP 9.2.0, Sitecore content search includes functionality for extracting text from media files, including PDFs and Microsoft Office documents, that does not require any additional tools. This functionality replaces the Adobe IFilter implementation that was used in previous versions by default.

2.9. Installing Solr

The standard Sitecore Experience Platform configuration requires Solr 8.1.1. The Sitecore Experience Platform is secure by default, you must, therefore, enable SSL for Solr.

Before you run the Sitecore Installation Framework, you must:

- Install Solr and configure it to run as a Windows service.
- Enable and set up SSL for Solr.

The `Solr-Singledeveloper.json` deployment configuration file installs and configures Solr with SSL.

For local testing and development, you can set up a self-signed certificate. The Apache Solr Reference guide has more information about creating a self-signed certificate.

For more information about installing Solr, see the section Install a search provider in a scaled solution.

2.10. Antivirus software considerations

Some antivirus software can have a detrimental effect on the performance of ASP.NET applications, including Sitecore. We recommend that you use only antivirus scanners that are certified for your operating system.

For more information about the certified products, see the Windows Server Catalog website.

For optimal performance, ensure that the following folders are *not* scanned by your antivirus software:

- The site root folder
- The data folder defined in the `web.config` file
- The folder that contains the actual Sitecore database files

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- The `C:\Windows\Temp or {app_pool user profile}\Temp` folder

> **NOTE**
> Active file scans from antivirus tools can significantly impact the performance of search indexing software. This can lead to poor user experience or slow system performance. Consider turning off any antivirus tools or modifying antivirus settings on the search index server to exclude the application data folders from scans. For more information about your search indexing software, consult the related documentation.

2.11. Prerequisites for using the Sitecore Installation Framework

To use the Sitecore Installation Framework to install Sitecore Experience Platform in an on-premise environment, you must download and install:

- Microsoft PowerShell® version 5.1 or later

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3. Installing Sitecore XP Single Developer topology with the Sitecore Install Assistant

This chapter describes how to use the Sitecore Install Assistant (SIA) to install the Sitecore XP Single Developer (XP0) topology.

To install the Sitecore XP0 topology with the Sitecore Installation Framework (SIF), see Install Sitecore XP Single Developer (XP0) using SIF.

This chapter contains the following sections:

- Download the Sitecore Install Assistant
- Review prerequisites and requirements
- Use SIA to install Single Developer XP0

3.1. Download the Sitecore Install Assistant

To download the Sitecore Install Assistant:

- After you download the file, unpack SIA and store it on the computer where you want to install Sitecore XP.
  The package includes:
  - `setup.exe` - the SIA executable file.
  - JSON configuration files.
  - ZIP program files.

3.2. Review prerequisites and requirements

SIA requires .NET Framework 4.7.2.

Before you use SIA to install a Sitecore XP Developer topology, you must:

- Install SQL Server.
- Install all the operating system updates.
- Have a valid Sitecore license file.
- Ensure that your computer meets the minimum hardware requirements.
  For more information, see Server requirements.

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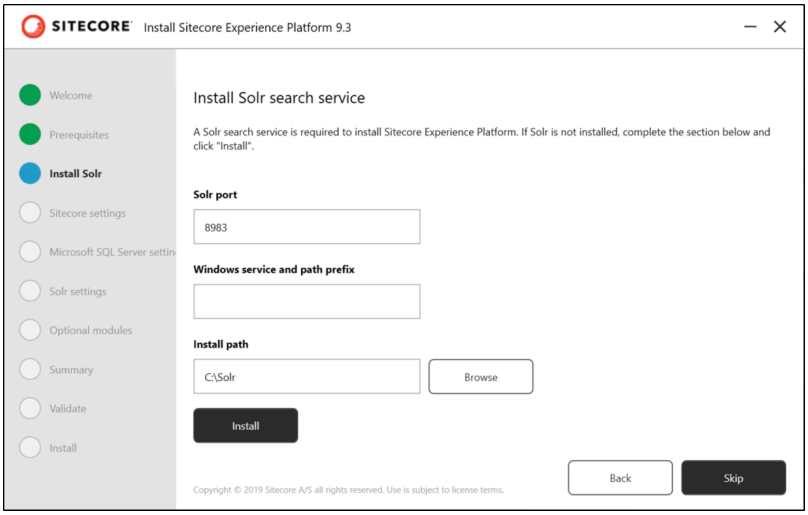
3.3. Use SIA to install Single Developer XP0

To use SIA:

1. Go to the folder where you unpacked SIA.
2. Right-click `setup.exe` and then click **Run as administrator**.
3. Review the information on the Welcome page and click **Start**.
4. SIA guides you through the installation process.



The left-hand panel contains the title of each SIA page. Green indicates that the page has been completed and blue indicates the active page.

The following table contains a summary of the information required in each page of SIA:

Page	Notes
Welcome	Review the information on this page to ensure you are ready to start the installation process.
Prerequisites	This page installs the prerequisites: • Sitecore Installation Framework (SIF) - a Microsoft® PowerShell module that supports local and remote installations of Sitecore XP. This module is required. • Windows Server prerequisites – the operating system applications and settings required to run Sitecore XP. To ensure that you have the latest version of SIF and that your operating system meets the system requirements, we recommend that you select both options and click **Install**.
Install Solr	This optional page installs the Solr search provider. If you already have Solr 8.1.1 installed, click **Skip**. Otherwise, enter the appropriate information on the page and click **Install**. If you choose to install Solr, Red Hat OpenJDK 8 (64-bit) is also installed.
Sitecore settings	The Sitecore settings including the installation prefix, the administrator password, and the location of the Sitecore license file.
Microsoft SQL Server settings	The Microsoft SQL Server settings including the instance name, the admin user name, and the admin password.

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Page	Notes
Solr settings	The Solr settings including the service URL, the file system root, and the name of the Solr Windows service.
Optional modules	The optional Sitecore modules that you can install. Currently, Sitecore Experience Accelerator (SXA) is the only available module.
Summary	All the settings that you specified. Review the information on this page and ensure that no changes are required. To make some changes, click **Back**.
Validate	This page checks that all the requirements are installed and configured correctly. If all requirements are in place, click **Install**.
Install	A summary of the installation process. An error terminates the installation process. To review the installation process errors, as well as any errors that occurred, click **Log**.
Complete	Tells you whether the installation has been successful. If the installation has been successful, you can open the Sitecore Launchpad.

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4. Sitecore Installation Framework

You can use the Sitecore Installation Framework (SIF) to install the Sitecore XP.

For information about how to use the Sitecore Install Assistant, see Installing Sitecore XP Single Developer topology with the Sitecore Install Assistant.

Before you can install Sitecore Experience Platform, you must set up SIF.

This chapter contains the following section:

- Set up Sitecore Installation Framework

4.1. Set up Sitecore Installation Framework

The Sitecore Installation Framework (SIF) is a Microsoft® PowerShell module that supports local and remote installations of Sitecore Experience Platform.

SIF deploys Web Deploy Packages (WDP) by passing parameters to SIF configuration files through a Microsoft® PowerShell module and is fully extensible.

The Sitecore Experience Platform is designed to be secure-by-default. For developer environments all the required self-signed certificates are created automatically if you do not provide any.

In a production environment, you can provide your own certificates. In a non-production environment, you can choose to have the module generate the certificates for you.

You *must* set up SIF before you can install Sitecore Experience Platform.

4.1.1. Install the SIF Module using MyGet

The Sitecore Gallery is a public MyGet feed where you can download and install PowerShell modules created by Sitecore, including SIF.

To set up SIF:

1. In Windows, open PowerShell as an administrator.
2. To register the repository, in a PowerShell command line, run the following cmdlet:

```
Register-PSRepository -Name SitecoreGallery
-SourceLocation https://sitecore.myget.org/F/sc-powershell/api/v2
```

3. When prompted to install, press **Y**, and then press **Enter**.
4. To install the PowerShell module, run the following cmdlet:

```
Install-Module SitecoreInstallFramework
```

5. When prompted to install, press **Y**, and then press **Enter**.

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Update the Sitecore Installation Framework Module

When a newer version of the SIF module is available, you can update to the latest version by running a PowerShell cmdlet.

To update the SIF module, run the following cmdlet:

```
Update-Module SitecoreInstallFramework
```

4.1.2. Validate the installation

After you install SIF, you can validate the installation to confirm that it is available for use.

> **NOTE**
> This validation only works if you have installed SIF to the *All users* (global) path.

To validate the installation, run the following cmdlet:

```
Get-Module SitecoreInstallFramework -ListAvailable
```

4.1.3. Run multiple versions of SIF

Sitecore Experience Platform 9.3.0 requires SIF 2.2.0.

If you want to install a previous version of Sitecore Experience Platform on the same computer, you must also have the required SIF version installed. PowerShell uses the latest available version of a module in a session by default and you must import the specific version of SIF required for the version of Sitecore that you want to install.

The versions of SIF that are compatible with Sitecore Experience Platform 9.X:

Sitecore Experience Platform Version	SIF Version
9.0.x	1.2.1
9.1.0	2.0.0
9.1.1	2.1.0 or later
9.2.0	2.1.0 or later
9.3.0	2.2.0

To install a specific version of SIF:

1. Run the following cmdlet:

   ```
   Install-Module -Name SitecoreInstallFramework -RequiredVersion x.x.x
   ```

2. Enter the appropriate value in the `RequiredVersion` parameter.

4.1.4. Run a specific version of SIF

To run a specific version of SIF:

- Run the following cmdlet:

  ```
  Import-Module -Name SitecoreInstallFramework -Force -RequiredVersion x.x.x
  ```

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You use the specified version for the remainder of the session.

The next time you start a PowerShell session it automatically uses the latest available version.

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5. Install Sitecore XP Single Developer (XP0) using SIF

This chapter describes how to install Sitecore XP Single Developer (XP0) on a single computer using Sitecore Installation Framework (SIF).

For information about how to use the Sitecore Install Assistant, see Installing Sitecore XP Single Developer topology with the Sitecore Install Assistant.

This chapter contains the following sections:

- XP Single Developer (XP0) topology
- Download and organize the prerequisite and installation files
- Install the prerequisites
- Run the installation script for the XP Single Developer topology

The Sitecore installation is a combination of `.json` configuration files and Web Deploy Packages (WDPs).

You can download the relevant SIF configuration files and the WDPs for each of the topologies from the Sitecore Downloads page.

SIF uses the `.json` configuration files to configure the environment and uses the WDP packages to install the application and databases.

5.1. XP Single Developer (XP0) topology

The predefined XP Single topology configures:

- A Sitecore stand-alone website that handles content management, content delivery, reporting, and processing.
- The xConnect and xDB web services.
- The Sitecore Identity server - a stand-alone website that acts as an OpenID Connect compliant security token service (STS).
- Search indexes on the Solr search engine.
- A Windows service that runs the Marketing Automation engine.
- A Windows service that runs the xConnect indexer.
- A Windows service that runs the Sitecore Cortex™ Processing Engine.
- The Sitecore Cortex™ Reporting service.
- The Sitecore content and xDB databases.
- A self-signed client certificate for secure communication between Sitecore and xConnect.

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- A self-signed server certificate for running HTTPS on the *xConnect* and *xDB* web services.
- A self-signed server certificate for running HTTPS on the Sitecore Identity server.

5.2. Download and organize the prerequisite and installation files

The installation files must be located in a single folder. We recommend that you create a folder named `c:\resourcefiles`.

To download installation files:

1. From the Sitecore Experience Platform download site, download `Sitecore 9.3.0 rev. 003498 (WDP XP0 packages).zip`. This file is listed in the **Download options for On Premises deployment** section as **Packages for XP Single**.
2. Move this file to the `C:\resourcefiles` folder.
3. Unpack the ZIP file. The four files unpacked include:
   - `Sitecore 9.3.0 rev. 003498 (OnPrem)_single.scwdp.zip`
   - `Sitecore 9.3.0 rev. 003498 (OnPrem)_xp0xconnect.scwdp.zip`
   - `Sitecore.IdentityServer 4.0.0 rev. 00257 (OnPrem)_identityserver.scwdp.zip`
   - `XP0 Configuration files 9.3.0 rev. 003498.zip`
4. Copy the four ZIP files to the `C:\resourcefiles` folder.
5. Unpack the `XP0 Configuration files 9.3.0 rev. 003498.zip` file.
6. Copy the following unpacked files to the `C:\resourcefiles` folder:
   - `createcert.json`
   - `IdentityServer.json`
   - `Prerequisites.json`
   - `sitecore-solr.json`
   - `sitecore-XP0.json`
   - `xconnect-solr.json`
   - `xconnect-xp0.json`
   - `XP0-SingleDeveloper.json`
   - `XP0-SingleDeveloper.ps1`

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5.3. Install the prerequisites

If you have manually installed all the prerequisites, skip this section.

To automatically install the prerequisites for any of the topologies on a single server:

1. Open PowerShell as an administrator and navigate to the `c:\resourcefiles` command line.
2. Run the following cmdlet:

```
Install-SitecoreConfiguration -Path .\Prerequisites.json
```

When the installation is complete, you might be informed that a server reboot is required.

5.4. Run the installation script for the XP Single Developer topology

To simplify your installation, use a PowerShell script to install the Sitecore XP Single Developer (XP0) topology.

To edit and run the installation script:

1. Save your Sitecore license file in the `c:\resourcefiles` folder as `license.xml`.
2. In the `c:\resourcefiles` folder, edit the `XP0-SingleDeveloper.ps1` script and update each line with the settings that are appropriate for your environment.
   One of the settings that you must edit is `SitecoreAdminPassword`.
   If you do not specify the Sitecore administrator password in the script and leave the example value "SIF-Default" unchanged, a random password is generated for you. This password is stored in the `XP0-SingleDeveloper.log` file, and displayed when the `sitecore-xp0.json` file has been processed. To locate the password, search for *Sitecore Admin Password.*

   > **IMPORTANT**
   > The default Sitecore administrator password is not valid when you use this script to install Sitecore XP.

3. Open PowerShell as an administrator, navigate to the `c:\resourcefiles` command line, and run the following cmdlet:

   ```
   .\XP0-SingleDeveloper.ps1
   ```

   All the passwords for DB users and other secrets such as the Identity Server client secret and the TelerikEncryptionKey are not displayed on the screen. They are automatically generated and inserted into the appropriate configuration files.
   If you add a DDS server, you must pass the generated passwords for the CM server to the DDS SIF installation parameters. You can find the generated passwords in the installation logs and in the `App_Config/connectionStrings.config` file on the CM server.
   If the `SqlCollectionUser` parameter is not set to a custom value during the installation, the prefix that is specified in the installation script is added to it.

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We recommend that you keep these scripts. You can use them to uninstall this topology.

5.5. Rebuild the search indexes and the Link database

After you install Sitecore Experience Platform, you must rebuild the search indexes and rebuild the *Link* databases.

To rebuild all the indexes:

1. On the Sitecore Launchpad, click **Control Panel**, and in the **Indexing** section, click **Indexing manager**.
2. In the **Indexing Manager** dialog box, click **Select all**, and then click **Rebuild**.

To rebuild the Link databases for the *Master* and *Core* databases:

1. On the **Sitecore Launchpad**, click **Control Panel**, and in the **Database** section, click **Rebuild Link Databases**.
2. Select the *Master* and *Core* databases and then click **Rebuild**.

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6. Uninstall a Sitecore Single Developer topology

You can also use SIF to uninstall the SIF configuration files and the Sitecore XM Single Developer or Sitecore XP Single Developer topologies.

This chapter contains the following sections:

- Uninstall a SIF configuration file
- Uninstall the Sitecore XP Single Developer topology

6.1. Uninstall a SIF configuration file

You can use SIF to uninstall a SIF configuration file on a local server.

To install a SIF configuration file on a local instance:

1. Launch PowerShell as an administrator.
2. Run the `Uninstall-SitecoreConfiguration` cmdlet, and specify the path to your SIF configuration file.
   For example, using the `sitecore-XP0.json` file:

   ```
   Uninstall-SitecoreConfiguration –Path <configurationpath>\sitecore-XP0.json
   ```

   Alternatively, you can pass in the parameters declared in the SIF configuration files by prefixing their name with a dash " –" in the command line.
   For example:

   ```
   Uninstall-SitecoreConfiguration -Path <configurationpath>\sitecore-XP0.json -SqlDbPrefix SC.
   ```

   In a PowerShell command line, you can pass additional parameters to control the uninstall process.
   For example, running the `Verbose` cmdlet increases the amount of information that is logged, and the `–Skip <taskname>` cmdlet skips one or more tasks.

To correctly uninstall a SIF configuration, you must pass the same parameters that were used during the installation.

The uninstallation is performed by a separate list of tasks within the configuration file. For more information, see the SIF documentation.

6.2. Uninstall the Sitecore XP Single Developer topology

To uninstall the Sitecore XP Single Developer topology:

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1. In the `XP0-SingleDeveloper.ps1` script, change the `Install-SitecoreConfiguration` cmdlet to `Uninstall-SitecoreConfiguration`.
   For example, change

   ```
   Install-SitecoreConfiguration @singleDeveloperParams *>&1 | Tee-Object XP0-
   SingleDeveloper.log
   ```

   to

   ```
   Uninstall-SitecoreConfiguration @singleDeveloperParams *>&1 | Tee-Object XP0-
   SingleDeveloper-Uninstall.log
   ```

   The example scripts contain this line already. You only need to uncomment and comment out the appropriate lines.
2. Run the script and the topology is removed.

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7. Configure Azure Search

Sitecore Experience Platform supports Solr and Azure Search as search providers.

In on-premise solutions, SIF and SIA require Solr. When the installation is completed, you can switch to Azure Search.

In on-premise solutions, SIF requires Solr. When the installation is completed, you can switch to Azure Search.

To configure Azure Search:

1. In the `xconnect\App_data\config\sitecore\CollectionSearch` folder:
   Enable the following configuration file by removing the `.disabled` extension:
   - `sc.Xdb.Collection.IndexReader.AzureSearch.xml.disabled`

   Disable the following configuration files by adding the `.disabled` extension:
   - `sc.Xdb.Collection.IndexReader.SOLR.xml`
   - `sc.Xdb.Collection.WebClient.SOLR.xml`

2. In the `xconnect\App_data\jobs\continous\IndexWorker\App_data\config\sitecore` folder, enable the following configuration files by removing the `.disabled` extension:
   - `\SearchIndexer\sc.Xdb.Collection.IndexWriter.AzureSearch.xml.disabled`
   - `\CollectionSearch\sc.Xdb.Collection.IndexReader.AzureSearch.xml.disabled`

3. In the `xconnect\App_data\jobs\continous\IndexWorker\App_data\config\sitecore` folder, disable the following configuration files by adding the `.disabled` extension:
   - `\CollectionSearch\sc.Xdb.Collection.IndexReader.SOLR.xml`
   - `\CollectionSearch\sc.Xdb.Collection.WebClient.SOLR.xml`
   - `\SearchIndexer\sc.Xdb.Collection.IndexWriter.SOLR.xml`

4. In the `\Search-indexer\sc.Xdb.Collection.IndexWriter.AzureSearch.xml.disabled` file, the `DataReplicationTimeoutMilliseconds` setting is disabled by default.
   If you use more than one replica, you must enable this setting.
5. In the following connection string files:
   - `xconnect\App_Config\ConnectionStrings.config`
   - `xconnect\App_data\jobs\continuous\IndexWorker\App_config\ConnectionStrings.config`

   Add (uncomment) and update the Azure Search connection string, the default name is `collection.search`.

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```
<add name="collection.search" connectionString="serviceUrl=https://
[service].search.windows.net/;indexName=[index name];apiKey=[API Key]"/>
```

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