

Data Exchange Framework Tenant Web Service 5.0 Installation Guide

A guide to installing the Data Exchange Framework Tenant Web Service

July 13, 2020



Table of Contents

1. Introduction	3
1.1. Requirements	3
1.2. Install the web-component of Tenant Service on IIS	3
1.2.1. Configure a tenant service connection string	5

1. Introduction

The Data Exchange Framework (DEF) Tenant Web Service gives you the ability to trigger data synchronization processes via web-based push notifications.

1.1. Requirements

The guide assumes that you have installed the following on your Sitecore server:

- Sitecore 10.0
- DEF 5.0.0. This installation includes the basic tenant service functionality. This requirement is covered by the Installation Guide for Data Exchange Framework, which you can download from the [Sitecore download site](#).

NOTE

You can confirm that the tenant service functionality is installed by opening the Content Editor and locating the `/sitecore/templates/Data Exchange/Services/Tenant Service` item.

1.2. Install the web-component of Tenant Service on IIS

The Tenant Web Service (TWS) is a web-based service and must be configured as a web site via IIS. This chapter guides you through the process of installing Web-Based Micro TWS. There are two alternative ways of installing TWS:

- Manually
- Using PowerShell and Sitecore Installation Framework.

After installing TWS, either manually or with PowerShell, you must configure a tenant service (TS) connection string.

Install manually

NOTE

For information on how to create certificates, please refer to the Set Up Client Certificates section of the Sitecore Experience Platform Installation Guide, available from the [Sitecore Downloads page](#).

To install a TWS manually:

1. Download the Sitecore Data Exchange Framework Tenant Web Service package from the [Sitecore Downloads page](#). It contains the Sitecore Data Exchange Framework Tenant Web Service 5.0.0.scwdp.zip file.
2. Extract the .zip file into the website IIS root folder. By default, this folder is located at C:\inetpub\wwwroot\- 3. Configure a TS [connection string](#).
- 4. Create and start the site in IIS.

NOTE

When a TWS is set up as described above, you can access it by requesting the `http://[tenant service]` URL. If the service is running successfully, you will get a response showing the date and time.

Install using PowerShell and Sitecore Installation Framework

To install TWS using SIF installation files and PowerShell:

1. Download the Sitecore Data Exchange Framework Tenant Web Service package from the [Sitecore download page](#).
2. Download the SIF installation scripts for Tenant Service package from the [Sitecore download page](#). It contains the following files:
 - tenantservice-xp0.json - an installation configuration file
 - createcert.json - an installation configuration file
 - deploy.ps1 - a PowerShell deployment script
3. Unzip the installation script files to a folder on your installation.

NOTE

The `deploy.ps1` script contains a `SitecoreTenantID` parameter that is used to create the necessary connection string for the tenant service. If you already have a tenant service, you can edit the `deploy.ps1` script and change the `SitecoreTenantID` parameter to the [Tenant ID](#) of the tenant service. You can also add or change the `SitecoreTenantID` in the `connectionstrings.config` file later.

4. Open a PowerShell console with administrator rights. Navigate to the folder where you unpacked the installation script files. Run the `deploy.ps1` script with the following syntax:

```
.\deploy.ps1 -scInstanceName "<sitecore instance>" -servicePackage "<path to tenantservice.scwdp.zip file>"
```

The following table explains the parameters you need to supply when running the script:

Parameter	Description	Example
scInstanceName	The name of your Sitecore instance. The script will automatically name the tenant service instance <code><scInstanceName>.service</code> . If you need to give the tenant service a different name, you must use the manual installation procedure.	my-sitecore
servicePackage	The location of the Sitecore Data Exchange Framework Tenant Web Service package.	c:\tenant-scwdp.zip

5. Configure a TS [connection string](#).

1.2.1. Configure a tenant service connection string

When you have installed TWS, you must configure a TS connection string.

1. In the TS installation, in the `C:\inetpub\wwwroot\<service folder>\App_Config` folder, open the `ConnectionString.config` file.
2. Locate the connection string named `sitecore`. If it is not there, add it. Update the connection string with the following properties:

Property	Content
database	Name of the database containing the item configuration. The default is <code>master</code> .
tenant ID	The tenant item ID for the tenant the micro service communicates with.
host	The host name of the Sitecore server, without <code>http</code> .
user name	A user name that can access the Sitecore server.
password	The user password.

For example:

```
<add name="sitecore"
connectionString="database=master;
tenant id={2A593000-2FDA-1234-1234-092F0CA338BD};
host=my-sitecore;
password=b;
user name=sitecore\admin;
timeout=20" />
```

3. On the Sitecore servers that connect to the tenant service, add a connection string to the server's `App_Config\ConnectionStrings.config` file, in the `connectionStrings` node. For example:

```
<add name="my-tenant" connectionString="https://my-sitecore.service"/>
```

NOTE

You can test the connection between the Sitecore server and the tenant service by requesting the `http://<tenant service>/api/tenant` URL. The response displays the available tenant service endpoints.