

# 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>&lt;scInstanceName&gt;.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.