

Install the Codeless Schema Extensions module on Azure (PaaS) topologies

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Table of Contents

1. Install the Sitecore Codeless Schema Extensions module on Azure (PaaS) topologies	3
1.1. Download Sitecore Codeless Schema Extensions installation files	3
1.2. Upload the installation components to Azure Storage	4
1.3. Deploy Sitecore Codeless Schema Extensions on Azure	4

1. Install the Sitecore Codeless Schema Extensions module on Azure (PaaS) topologies

The [Codeless Schema Extensions module](#) enables business users to extend the xConnect schema without requiring code development.

This guide describes how to install Sitecore Codeless Schema Extensions for Azure (PaaS) [topologies](#). This involves downloading the Sitecore Codeless Schema Extensions web deploy packages and then installing the module on an existing Sitecore XP on-prem instance.

BEFORE YOU BEGIN

Make sure:

- [Sitecore Experience Platform 10.2 or later is deployed to your Azure subscription.](#)
- [Azure PowerShell](#) and [Azure Storage Explorer](#) are installed.
- [The Bootloader module is configured.](#)

1.1. Download Sitecore Codeless Schema Extensions installation files

To get the Sitecore Codeless Schema Extensions installation files:

1. Download the [web deploy package \(WDP\) ZIP file](#) for the target topology and extract its contents to a folder, for example `C:\Resources`. Depending on the target topology, the extracted ZIP file contains the following WDPs:

For XP Single (XP0):

- Sitecore Codeless Schema Extensions XP0 CMCD.SXP_102_104.<version>.scwdp.zip
- Sitecore Codeless Schema Extensions XP0 xConnect.SXP_102_104.<version>.scwdp.zip

For XP Scaled (XP1):

- Sitecore Codeless Schema Extensions XP1 CD.SXP_102_104.<version>.scwdp.zip
- Sitecore Codeless Schema Extensions XP1 CM.SXP_102_104.<version>.scwdp.zip
- Sitecore Codeless Schema Extensions XP1 Collection.SXP_102_104.<version>.scwdp.zip
- Sitecore Codeless Schema Extensions XP1 Collection Search.SXP_102_104.<version>.scwdp.zip
- Sitecore Codeless Schema Extensions XP1 Cortex Processing.SXP_102_104.<version>.scwdp.zip

- Sitecore Codeless Schema Extensions XP1 Cortex Reporting.SXP_102_104.<version>.scwdp.zip
 - Sitecore Codeless Schema Extensions XP1 Marketing Automation.SXP_102_104.<version>.scwdp.zip
 - Sitecore Codeless Schema Extensions XP1 Marketing Automation Reporting.SXP_102_104.<version>.scwdp.zip
 - Sitecore Codeless Schema Extensions XP1 Reference Data.SXP_102_104.<version>.scwdp.zip
2. Download and unzip the deployment script ZIP file: `Sitecore Codeless Schema Extensions.AzureDeploy <version>.zip`.

1.2. Upload the installation components to Azure Storage

Before deploying Sitecore Codeless Schema Extensions on Azure, you must upload the WDPs containing the application code and resources to a Microsoft Azure storage account.

To host the WDPs in a Microsoft Azure storage account:

1. If you don't have a Microsoft Azure storage account, [create a storage account](#).
2. Log in to your Microsoft Azure storage account and [create a container](#).
3. Open Azure Storage Explorer and connect to your Storage account.
4. In Azure Storage Explorer, navigate to the WDP files that you downloaded previously. Upload the WDPs to the container that you created.
5. For each WDP file, [create a Shared Access Signature \(SAS\) token](#), and copy and save the **Blob SAS URL** (you'll need the URL values [later](#)).

IMPORTANT

The SAS token allows temporary access to the WDPs during the deployment process. When you create the SAS token, ensure that you allow enough time between the `Start` and `Expiry` date and time to guarantee access during the scheduled deployment.

1.3. Deploy Sitecore Codeless Schema Extensions on Azure

To deploy Sitecore Codeless Schema Extensions on Azure:

1. Open the folder where the contents of Sitecore Codeless Schema Extensions.AzureDeploy <version>.zip were unpacked.

2. Open the folder matching the topology of the existing Sitecore Experience Platform on Azure, for example, `xp1`.
3. In `deploy_gp_<topology>.ps1`, modify the `param` block by filling in the following:
 - `$SubscriptionName` - Azure subscription name.
 - `$ResourceGroupName` - name of the resource group containing the Sitecore XP Azure instance.

4. In `azuredeploy.parameters.json`:
 - Update the `sitecoreInstanceName`.
 - Under `parameters > [role]MsDeployPackageUrl > value`, paste the URLs from the SAS tokens in their corresponding sections.
 - If needed, you can override the default app service names. The default format is `[instanceName]-[role]`. To override the app service names for a particular role, add the following parameter under the `parameters` property.
Example:

```
"[role]WebAppName": {  
  "value": "my-custom-cd-web-app"  
}
```

5. Open PowerShell in this directory and run `deploy_gp_<topology>.ps1`.
6. When prompted, log in to the Azure subscription. When the script finishes running, the module is installed.