Sitecore Experience Accelerator 1.7

Installation Guide

How to install and configure SXA

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Installing and Configuring SXA

To install Sitecore Experience Accelerator (SXA), you must have Sitecore Experience Platform installed on your on-premise content management server. You must download the SXA installation package that corresponds to your version of the Sitecore Experience Platform from the Sitecore Downloads page.

Requirements

Before installing SXA, ensure that you have the following:

- Sitecore Experience Platform 8.2 Update 7 or Sitecore 9.0 update 1.

- Sitecore PowerShell Extensions: full 4.7.2 version (only for standalone and scaled environment CM instances).

Important
Do not install Sitecore PowerShell Extensions if you deploy SXA to a CD environment.

Installation

To install SXA:

1. Download the appropriate SXA 1.7 installation package from http://dev.sitecore.net.

2. On the Sitecore Launchpad, click **Control Panel**.

3. In the **Control Panel**, in the **Administration** section, click **Install a package** to open the Installation Wizard.

4. Click **Upload package** and follow the steps to upload the SXA package to Sitecore.

5. Click **Next** and follow the steps to install the package.

6. Before you close the wizard, select **Restart the Sitecore Client** and **Restart the Sitecore Server**.

Configuring the CM server

In a development or CM environment where the same server delivers content to the content management tools and the published web site, SXA reads the site definitions from the *master* database and not from the configuration files by default. Therefore, if you change the site definition items in the *master* database, you will influence the behavior of the published content.

If you install SXA on a Content Management environment according to the configuration instructions, you may receive the following error message*:*

Constructor of type Sitecore.ContentSearch.LuceneProvider.LuceneIndex cannot be found.

If you use Solr, you may receive the following error message:

Constructor of type Sitecore.ContentSearch.SolrProvider.SolrSearchIndex cannot be found.

To resolve this issue, you must remove the patches for indexes that do not exist in your environment in the following files:

…\Website\App_Config\Include\z.Foundation.Overrides\Sitecore.XA.Foundation.Search.Lucene.config

…\Website\App_Config\Include\z.Foundation.Overrides\Sitecore.XA.Foundation.Search.Solr.config

For example, if *sitecore_fxm_master_index* does not exist, remove the index path entry from the *Sitecore.XA.Foundation.Search.Lucene.config* file:

```
<index id="sitecore_fxm_master_index"
type="Sitecore.ContentSearch.LuceneProvider.LuceneIndex,
Sitecore.ContentSearch.LuceneProvider">

    <patch:attribute
name="type">Sitecore.XA.Foundation.Search.Providers.Lucene.LuceneIndex,
Sitecore.XA.Foundation.Search.Providers.Lucene</patch:attribute>

</index>
```

By default, the Sitecore.XA.Foundation.Search.Solr.config file contains both indexes for CD (web) and CM (master). To resolve this issue, you must remove the patches for indexes that do not exist in your environment in the following file:

…\Website\App_Config\Include\z.Foundation.Overrides\Sitecore.XA.Foundation.Search.Solr.config

```
<index id="sitecore_web_index"
type="Sitecore.ContentSearch.SolrProvider.SolrSearchIndex,
Sitecore.ContentSearch.SolrProvider">

      <patch:attribute
name="type">Sitecore.XA.Foundation.Search.Providers.Solr.SolrSearchIndex,
Sitecore.XA.Foundation.Search.Providers.Solr</patch:attribute>

</index>
```

If you use Sitecore 8.2 Update 7 and Solr and want to start indexing your data, the fields for your data may not be recognized by the default Solr instance. To solve this issue, you can define dynamic fields and add them to the Solr schema:

```
<dynamicField name="*_tm" type="text_general" indexed="true" stored="true"
multiValued="true" />
```

If you use either Sitecore 8.2 Update 7 or Sitecore 9 and Solr and want to start indexing your data, the fields for your language data may not be recognized by the default Solr instance. To solve this issue, you can define dynamic fields for these missing languages and add them to the Solr schema. For example:

```
<dynamicField name="*_t_pl" type="text_general" indexed="true" stored="true"
/>
```

Configuring the CD server

When you deploy the SXA to a CD environment, you should install the Sitecore Experience Accelerator 1.7 CD package.

Important
Do not install Sitecore PowerShell Extensions if you deploy SXA to a CD environment.

When you install SXA on a CD server, you should switch the database source from *master* to *web*.

To switch the database source from *master* to *web*:

1. Open `Sitecore.XA.Foundation.Multisite.config` and go to the `<siteManager>` section.

2. Change the database attribute to `web` in the following section:

```
<add name="sxa"
type="Sitecore.XA.Foundation.Multisite.Providers.SxaSiteProvider,
Sitecore.XA.Foundation.Multisite" database="web" checkSecurity="false"/>
```

Important
If you use Sitecore 8.2 update 7, you need to enable the CD config manually. Go to `App_config/Include/Z.Foundation.Overrides` and set `Sitecore.XA.CD.config` to enabled.

Depending on your user search configuration, you must modify the search providers configuration files (stored under `App_Config\Include\z.Foundation.Overrides\`) to remove or comment out the patches for the master indexes.

For `Sitecore.XA.Foundation.Search.Azure.config` patches, remove the following index:

```
sitecore_master_index
```

For `Sitecore.XA.Foundation.Search.Lucene.config` patches, remove the following indexes:

```
sitecore_master_index
sitecore_fxm_master_index
social_messages_master
sitecore_marketing_asset_index_web
```

For `Sitecore.XA.Foundation.Search.Solr.config` patches, remove the following indexes:

```
sitecore_master_index
sitecore_fxm_master_index
social_messages_master
sitecore_marketing_asset_index_master
sitecore_marketingdefinitions_master
```