

Sitecore CMS 8.1

Upgrade from Sitecore Azure 8.0 to 8.1

Upgrade guide for developers



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Sitecore CMS 8.1

As part of the upgrade process, some solutions may need to be redesigned. For further help and guidance, refer to the administrator and developer documentation on the Sitecore Developer Portal, <https://dev.sitecore.net>.

Note

This upgrade has been tested with Sitecore 8.1 rev. 151203

Prerequisites for this update:

- [Sitecore Azure 8.0 rev.150522](#) or later.
- The Sitecore Azure 8.1 rev. 151028 update package.
- Azure SDK 2.7.1

System requirements

Before you can install the Sitecore Azure 8.1 rev. 151028 update package, you must upgrade to Sitecore version to 8.1 rev. 151003.

Important

Ensure that you back up your website *before* you install the upgrade package.

To upgrade to Sitecore Azure 8.1 rev. 151028, install the upgrade package:

1. Go to `http://<yourhostname>/sitecore/admin/UpdateInstallationWizard.aspx` and open the **Update Installation Wizard**. See the [Update Installation Wizard Guide](#) for more information on how to use the wizard.
2. Install the Sitecore Azure 8.1 rev. 151028 update package and update from Sitecore Azure from 8.0 to 8.1.
3. Install the Sitecore Azure 8.1 update package.

Note

Any current deployment configuration items will be archived. You can access them using the **Archive** feature.

You may expect the following warning and collision: *Item to be deleted in use* – this applies to: `/sitecore/system/Settings/Validation Rules/Item Rules/Azure/SQL Server Tiers`
This will not affect the upgrade process.

Update the configuration files

After you have installed the update package, you must update your configuration files. To do this, you must make changes to the following configuration file:

```
App_Data\AzureOverrideFiles\App_Config\Include\Azure.ServiceRuntime.config
```

Note

Most customers have only applied a small number of changes (if any) to these files. To save time and reduce the risk of errors when there are changes to the file, download the clean configuration file and re-apply any changes that you have made.

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You can download the clean `Azure.ServiceRuntime_81rev151028.config` file for Sitecore Azure 8.1 rev. 151028 from the [Sitecore Developer Portal](#) – click **Sitecore Azure 8.1, Upgrade options, Config files for upgrade**.

Changes to the `Azure.Service.Runtime.config` file

To upgrade your existing configuration file to Sitecore Azure 8.1 rev. 151028, you must make the following changes to the `Azure.ServiceRuntime.config` file:

1. In the `<settings>` section, rename

`Azure.ServiceRuntime.Heartbeat.ExcludeConnection` to
`Sitecore.Services.Heartbeat.ExcludeConnection`.

```
<!-- ExcludeConnection - Exclude connection string from heartbeat check.
      Set Sitecore.Services.Heartbeat.ExcludeConnection to a '|' separated
list of connection string names
      that should be excluded from heartbeat check.
-->
    <setting name="Sitecore.Services.Heartbeat.ExcludeConnection"
value="LocalSqlServer" />
```

2. In the `<pipelines>` section, add the following pipeline patch:

```
    <initialize>
      <processor
type="Sitecore.Azure.ServiceRuntime.Pipelines.Initialize.RemoveSitecoreTraceListener,
Sitecore.Azure.ServiceRuntime"
patch:before="processor[@type='Sitecore.Pipelines.Loader.ShowVersion, Sitecore.Kernel']"
/>
    </initialize>
```

Update the configuration items

1. Apply the following changes to each slot item of all existing deployments and to the standard values of the Azure Deployment template. You can find the Azure Deployment template in: `/sitecore/templates/Azure/Deployment/Azure Deployment`.

A slot item path looks like this:

`/sitecore/System/Modules/Azure/<MicrosoftSubscriptionName>/<LocationName>/<FarmName>/<RoleName>/<SlotName>`

For example, `/sitecore/System/Modules/Azure/YmyTest2-Test/NorthEurope/Editing01/Role01/Production`

2. In the **Global WebConfig Patch** field, replace this node:

```
<xsl:template match="/configuration">
  <xsl:copy>
    <xsl:apply-templates select="@* | node()" />
    <xsl:element name="system.diagnostics">
      <trace autoflush="true">
        <listeners>
          <add type="Microsoft.WindowsAzure.Diagnostics.DiagnosticMonitorTraceListener,
Microsoft.WindowsAzure.Diagnostics" name="AzureDiagnostics"></add>
        </listeners>
      </trace>
    </xsl:element>
  </xsl:copy>
</xsl:template>
```

with the following node:

```
<xsl:template match="/configuration">
  <xsl:copy>
```

```
<xsl:apply-templates select="@* | node()" />
<xsl:element name="system.diagnostics">
  <trace autoflush="true">
    <listeners>
      <add name="AzureDiagnostics" />
    </listeners>
  </trace>
  <sources>
    <source name="AzureDiagnostics" switchName="SourceSwitch"
switchType="System.Diagnostics.SourceSwitch">
      <listeners>
        <add name="AzureDiagnostics" />
        <remove name="Default" />
      </listeners>
    </source>
  </sources>
  <switches>
    <add name="SourceSwitch" value="All" />
  </switches>
  <sharedListeners>
    <add name="AzureDiagnostics"
type="Microsoft.WindowsAzure.Diagnostics.DiagnosticMonitorTraceListener,
Microsoft.WindowsAzure.Diagnostics" />
  </sharedListeners>
</xsl:element>
</xsl:copy>
</xsl:template>
```

Clear the browser cache

After you change the configuration files, you must clear your browser's cache.

Note

These steps may vary depending on your web browser.

1. For example, In **Internet Explorer**, click **Tools, Internet Options**.
2. In the **Internet Options** dialog, on the **General** tab, in **Browsing History**, click **Delete**.
3. In the **Delete Browsing History** dialog, select **Temporary Internet files and website files**, then click **Delete**.