Strike Website and Database Install Guide

# **Server / Environment Requirements:**

* SQL Server 2014 or newer
* Windows Server 2008 R2 or newer
* IIS 7.5 or newer
* .NET Framework 4.5.1
* IIS URL Rewrite Module 2
* Windows Server Features under Web Server (IIS) > Web Server:
  + Common Http Features > Default Document
  + Common Http Features > Directory Browsing
  + Common Http Features > HTTP Errors
  + Common Http Features > Static Content
  + Common Http Features > HTTP Redirection
  + Health and Diagnostics > [ALL ITEMS]
  + Performance > [ALL ITEMS]
  + Security > Request Filtering
  + Security > Basic Authentication
  + Security > IP and Domain Restrictions
  + Security > URL Authorization
  + Security > Windows Authorization
  + Application Development > .NET Extensibility 4.5
  + Application Development > Application Initialization
  + Application Development > ASP.NET 4.5
* Windows Server Features under Web Server (IIS) > Management Tools:
  + IIS Management Console
  + IIS Management Scripts and Tools
  + Management Service

# **Step 1:** Restore Databases

* Restore the databases **StrikeCMS** and **StrikeCMSLive** from their respective delivered .bak files.
* Create two database server logins **CMSuser** and **CMSEdit**
  + It is recommended to use different passwords for the two accounts.
* Execute the following script to link database server logins and database security users, as well as set user permissoins:

USE [StrikeCMS]

GO

EXEC sp\_change\_users\_login 'Update\_One', 'CMSuser', 'CMSuser';

EXEC sp\_change\_users\_login 'Update\_One', 'CMSEdit', 'CMSEdit';

GRANT EXECUTE TO [CMSuser]

GRANT EXECUTE TO [CMSEdit]

GRANT INSERT TO [CMSEdit]

USE [StrikeCMSLive]

GO

EXEC sp\_change\_users\_login 'Update\_One', 'CMSuser', 'CMSuser';

EXEC sp\_change\_users\_login 'Update\_One', 'CMSEdit', 'CMSEdit';

GRANT EXECUTE TO [CMSuser]

GRANT EXECUTE TO [CMSEdit]

GRANT INSERT TO [CMSEdit]

* When you restore the database, the full-text index will most likely not be populated and will need to be rebuilt. To rebuild, right click on **Content** table in the database and choose **Full-Text Index** 🡪 **Start Full Population**
* Once the database is restored, we recommend setting up a nightly population schedule to refresh the contents of the full-text catalog.

# **Step 2:** Copy website files

* Extract and copy the delivered website files for the StrikeCMS website (website instance that hosts the CMS) into the desired folder on the web server.
* Extract and copy the delivered website files for the StrikeCMSLive website (website instance that serves the public facing site) into the desired folder on the web server.

# **Step 3:** Set up IIS

* Create two new websites: StrikeCMS and StrikeCMSLive. Point them at the appropriate physical path and configure your desired site bindings.
* Make sure the Application Pools created for these sites have these settings:
  + .NET CLR Version: **V4.0**
  + Managed pipeline Mode: **Integrated**

# **Step 4:** Set up folder permissions

* The best way to set folder permissions is to use the batch file **WebsiteFolderPermissions.bat**, which is distributed with this guide.
  + Place the batch file in the directory above the two website folders.
  + When using the batch file, make sure to run it as administrator.
  + The batch file will prompt you for inputs to verify the file paths and usernames. Default values are pre-configured, and should be sufficient under most scenarios. To accept the default value, press Enter.
* Alternatively, you can manually grant the Read & Execute and Modify permissions to the following users and folders:
  + CMS Website Application Pool User (example: “IIS AppPool\StrikeCMS”)
    - \StrikeCMS\Areas\CMS\assets\templates
    - \StrikeCMS\Areas\CMS\Views\Site
    - \StrikeCMS\DeletedTemplates
    - \StrikeCMS\DeletedWidget
    - \StrikeCMS\imagecache
    - \StrikeCMS\user\_area
  + Live Website Application Pool User (example: “IIS AppPool\StrikeCMSLive”)
    - \StrikeCMSLive\Areas\CMS\Views\Site
    - \StrikeCMSLive\imagecache
    - \StrikeCMSLive\user\_area
  + Publish User (same one set as “PublishUsername” in step #5):
    - \StrikeCMSLive\Areas\CMS\Views\Site
    - \StrikeCMSLive\user\_area

# **Step 5:** Modify Web.config

Each website will need their Web.config file modified with the following changes:

## <appSettings /> section:

* <add key="smtpserver" value="Smtp.sendgrid.net" />

<add key="smtplogin" value="thinkmoncur" />

<add key="smtppassword" value="M0ncur.1700" />

Set values to point at the SMTP server you would like the website to use for all outgoing email communication.

* <add key="defaultemailrecipient" value="ken@emsix.com" />

<add key="defaultemailsender" value="info@website.com" />

These are the default From and To email addresses used when the website sends an email. Set these to their desired values.

* <add key="IsProduction" value="false" />

LIVE WEBSITE ONLY: Change this value to **true**.

* <add key="PublishDomain" value="moncur.local" />

<add key="PublishUsername" value="Administrator" />

<add key="PublishPassword" value="PSC0104ks" />

In order for the CMS to publish files to a live web site, it does so under the user context specified here. Set these values to a user that has permissions to write files to the target live website directories.

* <add key="LiveSiteDomain" value=".emsix.com" />

Set the value here to **.strikeusa.com**

## <connectionStrings /> section:

* For the following changes, please make the following replacements:
  + [IP Address] -> IP Address of the SQL Server
  + [CMSuser Password] -> Password for the CMSuser SQL Server account
  + [CMSEdit Password] -> Password for the CMSEdit SQL Server account
* Changes for the CMS website (StrikeCMS):

<add name="efcn" connectionString="metadata=res://\*/CmsDataModel.csdl|res://\*/CmsDataModel.ssdl|res://\*/CmsDataModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=[IP Address];initial catalog=StrikeCMS ;user id=CMSuser;Password=[CMSuser Password];multipleactiveresultsets=True;application name=EntityFramework&quot;" providerName="System.Data.EntityClient" />

<add name="efcn2" connectionString="metadata=res://\*/CmsDataModel.csdl|res://\*/CmsDataModel.ssdl|res://\*/CmsDataModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=[IP Address];initial catalog=StrikeCMS ;user id=CMSEdit;Password=[CMSEdit Password];multipleactiveresultsets=True;application name=EntityFramework&quot;" providerName="System.Data.EntityClient" />

<add name="cn" connectionString="Data Source=[IP Address];Initial Catalog=StrikeCMS ;User Id=CMSuser;Password=[CMSuser Password]" />

<add name="cn2" connectionString="Data Source=[IP Address];Initial Catalog=StrikeCMS ;User Id=CMSEdit;Password=[CMSEdit Password]" />

<add name="elmahcn" connectionString="Server=[IP Address];Initial Catalog=StrikeCMS;User Id=CMSEdit;Password=[CMSEdit Password]" />

<add name="cnProd" connectionString="Data Source=[IP Address];Initial Catalog=StrikeCMSLive;User Id=CMSEdit;Password=[CMSEdit Password]" />

<add name="encnProd" connectionString="metadata=res://\*/CmsDataModel.csdl|res://\*/CmsDataModel.ssdl|res://\*/CmsDataModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=[IP Address];initial catalog=StrikeCMSLive;user id=CMSEdit;Password=[CMSEdit Password];multipleactiveresultsets=True;application name=EntityFramework&quot;" />

<add name="CmsData.CmsDataEntities" connectionString="CmsData.Data.CmsDataEntities\_ConnectionString" providerName="System.Data.SqlClient" />

<add name="CmsDataEntities" connectionString="metadata=res://\*/CmsDataModel.csdl|res://\*/CmsDataModel.ssdl|res://\*/CmsDataModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=[IP Address];initial catalog=StrikeCMS ;user id=CMSEdit;Password=[CMSEdit Password];multipleactiveresultsets=True;application name=EntityFramework&quot;" providerName="System.Data.EntityClient" />

* Changes for the Live website (StrikeCMSLive):

<add name="efcn" connectionString="metadata=res://\*/CmsDataModel.csdl|res://\*/CmsDataModel.ssdl|res://\*/CmsDataModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=[IP Address];Initial Catalog=StrikeCMSLive ;user id=CMSuser;Password=[CMSuser Password];multipleactiveresultsets=True;application name=EntityFramework&quot;" providerName="System.Data.EntityClient" />

<add name="efcn2" connectionString="metadata=res://\*/CmsDataModel.csdl|res://\*/CmsDataModel.ssdl|res://\*/CmsDataModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=[IP Address];Initial Catalog=StrikeCMSLive ;user id=CMSEdit;Password=[CMSEdit Password];multipleactiveresultsets=True;application name=EntityFramework&quot;" providerName="System.Data.EntityClient" />

<add name="cn" connectionString="Data Source=[IP Address];Initial Catalog=StrikeCMSLive ;User Id=CMSuser;Password=[CMSuser Password]" />

<add name="cn2" connectionString="Data Source=[IP Address];Initial Catalog=StrikeCMSLive ;User Id=CMSEdit;Password=[CMSEdit Password]" />

<add name="elmahcn" connectionString="Server=[IP Address];Initial Catalog=StrikeCMSLive;User Id=CMSEdit;Password=[CMSEdit Password]" />

<add name="cnProd" connectionString="Data Source=[IP Address];Initial Catalog=StrikeCMSLive;User Id=CMSEdit;Password=[CMSEdit Password]" />

<add name="encnProd" connectionString="metadata=res://\*/CmsDataModel.csdl|res://\*/CmsDataModel.ssdl|res://\*/CmsDataModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=[IP Address];initial catalog=StrikeCMSLive;user id=CMSEdit;Password=[CMSEdit Password];multipleactiveresultsets=True;application name=EntityFramework&quot;" />

<add name="CmsData.CmsDataEntities" connectionString="CmsData.Data.CmsDataEntities\_ConnectionString" providerName="System.Data.SqlClient" />

<add name="CmsDataEntities" connectionString="metadata=res://\*/CmsDataModel.csdl|res://\*/CmsDataModel.ssdl|res://\*/CmsDataModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=[IP Address];Initial Catalog=StrikeCMSLive ;user id=CMSEdit;Password=[CMSEdit Password];multipleactiveresultsets=True;application name=EntityFramework&quot;" providerName="System.Data.EntityClient" />

# **Step 6:** Setup Web Server Node

* Once the website is setup, we need to log into the CMS to configure the web server node(s). This tells the CMS how many live servers are available, and how to communicate with them.
* The URL for the CMS is: http://[CMS Site Domain]/administer
* Use the following credentials to log into the CMS (you can configure logins and change this password at http://[CMS Site Domain]/Administer/Administration):
  + username: strikeadmin
  + password: 2982$strike!
* Once logged in, navigate to the following address to configure the web server node.
  + http://[CMS Site Domain]/Webservernode/1
* All of the information entered here should apply to the live website. Use the values already entered as a model to customize for your local environment.