

XTM Connect for Sitecore Docker v3.11

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**Documentation for XTM Connect for Sitecore Docker**

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XTM-International Ltd, Ponders, Hedgerley Lane, Gerrards Cross, SL9 8SY, UK

Tel.: +44 (0)1753 480479 email: sales@xtm.cloud [http://www.xtm.cloud](http://www.xtm-intl.com)

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# Prerequisites

The basic knowledge of containers, Docker and developing Sitecore using Docker is required to successfully install the XTM Connect for Sitecore. To serialize items Sitecore Command Line Interface (CLI) in version 5.1.25 is required. More info about CLI can be found on Sitecore documentation website:

(<https://doc.sitecore.com/xp/en/developers/100/developer-tools/install-sitecore-command-line-interface.html>).

This process is very similar to adding other Sitecore modules in Docker (like Sitecore Management Services or Sitecore PowerShell Extensions).

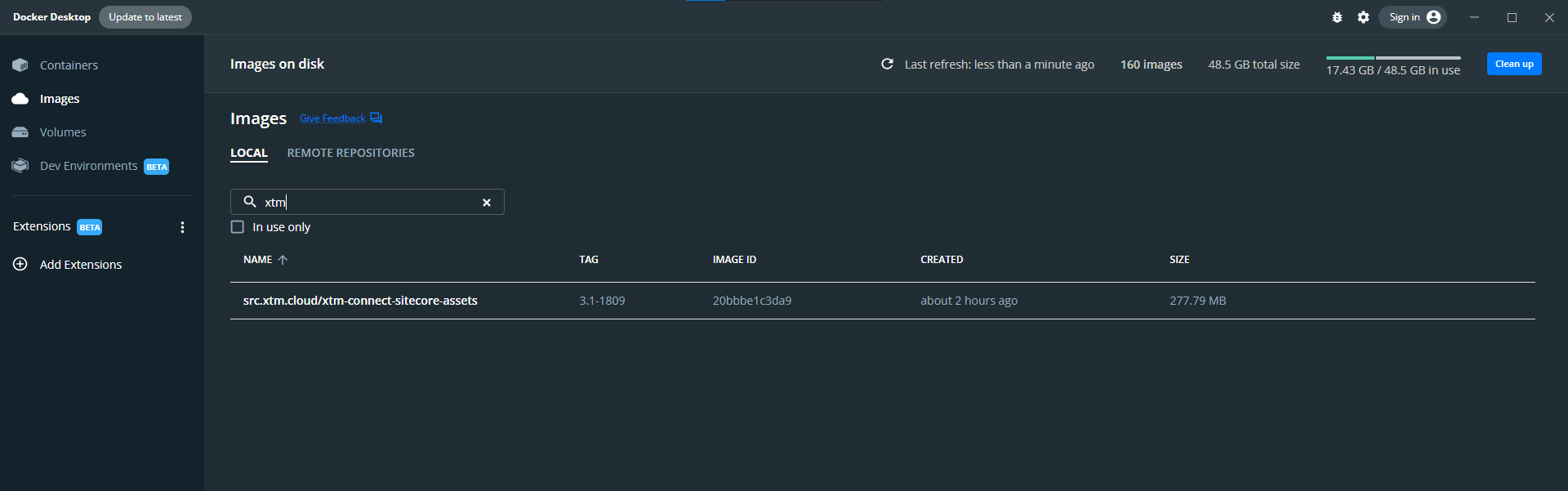
.

# Loading the XTM Connect assets image

After downloading the *xtm-connect-sitecore-assets.tar* file call the command:

| docker load --input .\xtm-connect-sitecore-assets.tar |
| --- |

This will add a new image (*src.xtm.cloud/xtm-connect-sitecore-assets*) to the Docker Images



# 

# Adding XTM Connect Sitecore module

Go to *\custom-images\docker\build\cm* and open *Dockerfile* in any editor.

First declare the build image argument. eg.

| ARG XTM\_CONNECT\_IMAGE |
| --- |

Initiate the builder stage for the code compilation.

| FROM ${XTM\_CONNECT\_IMAGE} as xtm |
| --- |

Add the XTM Connect module.

| #Add Xtm Connector COPY --from=xtm \xtm\_assets \inetpub\wwwroot |
| --- |

Add user rights for XTM Connect work directory

| # Access rights for XtmData folder RUN icacls 'C:\inetpub\wwwroot\XtmData\\*' /grant 'IIS\_IUSRS:(F)' /t |
| --- |

Dockerfile should look like:

| # escape=`  ARG BASE\_IMAGE ARG SXA\_IMAGE ARG SPE\_IMAGE ARG TOOLING\_IMAGE ARG SOLUTION\_IMAGE ARG MANAGEMENT\_SERVICES\_IMAGE **ARG XTM\_CONNECT\_IMAGE** ARG HORIZON\_RESOURCES\_IMAGE  FROM ${SOLUTION\_IMAGE} as solution FROM ${TOOLING\_IMAGE} as tooling FROM ${SPE\_IMAGE} as spe FROM ${SXA\_IMAGE} as sxa **FROM ${XTM\_CONNECT\_IMAGE} as xtm** FROM ${MANAGEMENT\_SERVICES\_IMAGE} AS management\_services FROM ${HORIZON\_RESOURCES\_IMAGE} as horizon\_resources FROM ${BASE\_IMAGE}    SHELL ["powershell", "-Command", "$ErrorActionPreference = 'Stop'; $ProgressPreference = 'SilentlyContinue';"]  # Copy development tools and entrypoint COPY --from=tooling \tools\ \tools\  WORKDIR C:\inetpub\wwwroot  # Add SPE module COPY --from=spe \module\cm\content .\  # Add SXA module COPY --from=sxa \module\cm\content .\ COPY --from=sxa \module\tools \module\tools RUN C:\module\tools\Initialize-Content.ps1 -TargetPath .\; `  Remove-Item -Path C:\module -Recurse -Force;  #Add Xtm Connector **COPY --from=xtm \xtm\_assets \inetpub\wwwroot**  #Add SMS COPY --from=management\_services C:\module\cm\content C:\inetpub\wwwroot  # Add horizon module COPY --from=horizon\_resources \module\cm\content \inetpub\wwwroot  # Copy solution website files COPY --from=solution \artifacts\website\ .\  # Copy solution transforms COPY --from=solution \artifacts\transforms\ \transforms\solution\  # Copy role transforms COPY .\transforms\ \transforms\role\  # Perform solution transforms RUN C:\tools\scripts\Invoke-XdtTransform.ps1 -Path .\ -XdtPath C:\transforms\solution\DockerExamples.Website  # Perform role transforms RUN C:\tools\scripts\Invoke-XdtTransform.ps1 -Path .\ -XdtPath C:\transforms\role  # Access rights for XtmData folder **RUN icacls 'C:\inetpub\wwwroot\XtmData\\*' /grant 'IIS\_IUSRS:(F)' /t** |
| --- |

Go to *\custom-images* folder and open *docker-compose.xm1.override.yml* in editor. Navigate to cm image section and add new arg for XTM Connect module.

| XTM\_CONNECT\_IMAGE: ${XTM\_DOCKER\_REGISTRY}xtm-connect-sitecore-assets:${XTM\_CONNECT\_VERSION} |
| --- |

In case when more than one compose file uses *./docker/build/cm* as the build context add the arg also to those files.  
The cm compose stage can look like this:

| cm:  image: ${REGISTRY}${COMPOSE\_PROJECT\_NAME}-xm1-cm:${VERSION:-latest}  build:  context: ./docker/build/cm  args:  BASE\_IMAGE: ${SITECORE\_DOCKER\_REGISTRY}sitecore-xm1-cm:${SITECORE\_VERSION}  SPE\_IMAGE: ${SITECORE\_MODULE\_REGISTRY}sitecore-spe-assets:${SPE\_VERSION}  SXA\_IMAGE: ${SITECORE\_MODULE\_REGISTRY}sitecore-sxa-xm1-assets:${SXA\_VERSION}  TOOLING\_IMAGE: ${SITECORE\_TOOLS\_REGISTRY}sitecore-docker-tools-assets:${TOOLS\_VERSION}  HORIZON\_RESOURCES\_IMAGE: ${SITECORE\_MODULE\_REGISTRY}horizon-integration-xm1-assets:${HORIZON\_ASSET\_VERSION}  MANAGEMENT\_SERVICES\_IMAGE: ${SITECORE\_MODULE\_REGISTRY}sitecore-management-services-xm1-assets:${MANAGEMENT\_SERVICES\_VERSION}  **XTM\_CONNECT\_IMAGE: ${XTM\_DOCKER\_REGISTRY}xtm-connect-sitecore-assets:${XTM\_CONNECT\_VERSION}**  SOLUTION\_IMAGE: ${REGISTRY}${COMPOSE\_PROJECT\_NAME}-solution:${VERSION:-latest}  depends\_on:  - solution  volumes:  - ${LOCAL\_DEPLOY\_PATH}\website:C:\deploy  - ${LOCAL\_DATA\_PATH}\cm:C:\inetpub\wwwroot\App\_Data\logs  environment:  SITECORE\_DEVELOPMENT\_PATCHES: CustomErrorsOff  Sitecore\_Horizon\_ClientHost: https://${HRZ\_HOST}  entrypoint: powershell -Command "& C:\\tools\\entrypoints\\iis\\Development.ps1" |
| --- |

Define the XTM\_DOCKER\_REGISTRY and XTM\_CONNECT\_VERSION in .env file.

| XTM\_DOCKER\_REGISTRY=src.xtm.cloud/ XTM\_CONNECT\_VERSION=3.1-1809 |
| --- |

Example .env file

| COMPOSE\_PROJECT\_NAME=docker-examples REGISTRY= VERSION=  SOLR\_PORT=8984 HTTPS\_PORT=443 TRAEFIK\_MANAGEMENT\_PORT=8079 MSSQL\_PORT=14330 XCONNECT\_PORT=8081  SOLUTION\_BUILD\_IMAGE=mcr.microsoft.com/dotnet/framework/sdk:4.8 SOLUTION\_BASE\_IMAGE=mcr.microsoft.com/windows/nanoserver:1809 BUILD\_CONFIGURATION=debug  LOCAL\_DEPLOY\_PATH=.\docker\deploy LOCAL\_DATA\_PATH=.\docker\data  CD\_HOST=cd.dockerexamples.localhost CM\_HOST=cm.dockerexamples.localhost ID\_HOST=id.dockerexamples.localhost HRZ\_HOST=hrz.dockerexamples.localhost  SITECORE\_DOCKER\_REGISTRY=scr.sitecore.com/sxp/ SITECORE\_TOOLS\_REGISTRY=scr.sitecore.com/tools/ SITECORE\_MODULE\_REGISTRY=scr.sitecore.com/sxp/modules/ **XTM\_DOCKER\_REGISTRY=src.xtm.cloud/** MANAGEMENT\_SERVICES\_VERSION=5.1.25-1809 SITECORE\_VERSION=10.2-ltsc2019 TOOLS\_VERSION=10.2-1809 SPE\_VERSION=6.3-1809 SXA\_VERSION=10.2-1809 HORIZON\_VERSION=3.0-ltsc2019 HORIZON\_ASSET\_VERSION=3.0-1809 **XTM\_CONNECT\_VERSION=3.1-1809**  **…** |
| --- |

Now you are ready to build the containers using *docker-compose build* command and run them using *docker-compose up*.

# Importing the XTM Connect Items

Download the *XTM.Connect.Sitecore.3.1.itempackage* file to your docker base work directory (e.g. *\custom-images\*) and use CLI (in version 5.1.25) to your Sitecore instance by calling:

| dotnet sitecore ser pkg install -f XTM.Connect.Sitecore.3.1.itempackage |
| --- |

CLI Sitecore Content Serialization (SCS) packages (*.itempackage* files) can be used in your delivery pipeline. More info here:

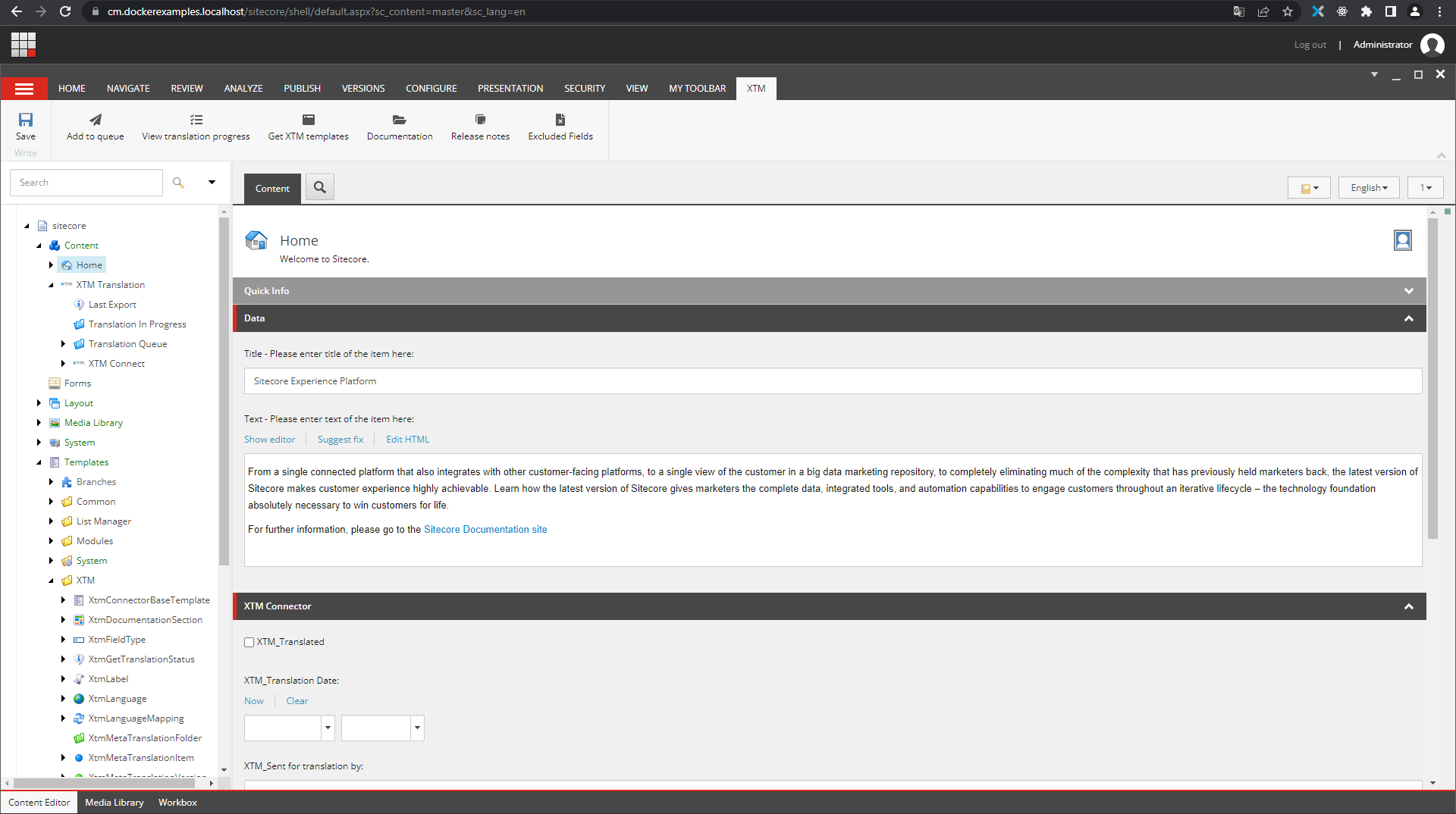
<https://doc.sitecore.com/xp/en/developers/100/developer-tools/create-and-install-a-sitecore-content-serialization-package.html>

It is also possible to install the required Sitecore items without CLI. Download *XTM Connect for Sitecore Items only-3.11.1300.0901.zip* package and install it using *Development Tools -> Installation Wizard* in your Sitecore Desktop app.

# 

# Verifying the XTM Connect installation

Login to your cm instance (e.g. <https://cm.dockerexamples.localhost/sitecore>) navigate to Content Editor. There should be a new XTM Ribbon tab, XTM Connect item under Content, new templates, workflows and roles. Now you are ready to setup the XTM Connect Settings and start using the XTM Connect for Sitecore. For more information check the Documentation item under XTM Ribbon tab.



# Updating the XTM Connect

When a new version of XTM Connect is released you can just modify the *XTM\_CONNECT\_VERSION* variable in the *.env* file, rebuild your containers and resync the XTM Connect Sitecore items using CLI.



[**https://xtm.cloud**](https://xtm.cloud/)