

### XM Cloud CLI - Login & Logout

To login to XM Cloud Organization using a device code flow with writing allowed	<code>dotnet sitecore cloud login --allow-write</code>	Can access the XM Cloud Deploy API and the CM instance APIs of all environments in an organization
To login to XM Cloud Organization using a credentials flow (Organization Credentials)	<code>dotnet sitecore cloud login --allow-write --client-credentials --client-id &lt;Org-Client-Id&gt; --client-secret &lt;Org-Client-Secret&gt;</code>	Can access the XM Cloud Deploy API and the CM instance APIs of all environments in an organization
To login to XM Cloud Environment using a credentials flow (Automation Credentials)	<code>dotnet sitecore cloud login --allow-write --client-credentials --client-id &lt;Automation-Client-Id&gt; --client-secret &lt;Automation-Client-Secret&gt;</code>	Can access the CM instance APIs of a specific environment. No Deploy API Access.
To login to XM Cloud Organization using a credentials flow including authority and audience (Organization Credentials)	<code>dotnet sitecore cloud login --allow-write --authority <a href="https://auth.sitecorecloud.io/">https://auth.sitecorecloud.io/</a> --audience <a href="https://api.sitecorecloud.io/">https://api.sitecorecloud.io</a> --client-id &lt;Org-Client-Id&gt; --client-secret &lt;Org-Client-Secret&gt; --client-credentials</code>	Can access the XM Cloud Deploy API and the CM instance APIs of all environments in an organization
To login to Edge administration using a credentials flow (Edge Administration Credentials)	<code>dotnet sitecore cloud login --allow-write --client-credentials --client-id &lt;Edge-Client-Id&gt; --client-secret &lt;Edge-Client-Secret&gt;</code>	Can manage the Experience Edge for XM Cloud settings of an environment
To logout of an XM Cloud Environment	<code>dotnet sitecore cloud logout</code>	Same for all type of login flow.

### XM Cloud CLI - Organization

**⚠️ Need Organization Credentials for using Client Credentials or Use code flow. Automation or Edge Administration credentials will return forbidden error.**

To display information about the current user's organizations	<code>dotnet sitecore cloud organization info --organization-id &lt;id&gt;</code>	-
To display information about the current user's organizations as JSON	<code>dotnet sitecore cloud organization info --organization-id &lt;id&gt; -json</code>	Output as Json
To display the health status of the organization's resources	<code>dotnet sitecore cloud organization health --organization-id &lt;id&gt;</code>	-
To display the health status of the organization's resources as JSON	<code>dotnet sitecore cloud organization health --organization-id &lt;id&gt; --json</code>	Output as Json
To download the organization's license to the current folder	<code>dotnet sitecore cloud organization license --organization-id &lt;id&gt;</code>	-

### XM Cloud CLI - Project

**⚠️ Need Organization Credentials for using Client Credentials or Use code flow. Automation or Edge Administration credentials will return forbidden error.**

To list all the XM Cloud projects	<code>dotnet sitecore cloud project list</code>	-
To list all the XM Cloud projects as JSON	<code>dotnet sitecore cloud project list --json</code>	Output as Json



### XM Cloud CLI - Project (cont)

To get information about a XM Cloud Project	<code>dotnet sitecore cloud project info --project-id &lt;Project-Id&gt;</code>	-
To get information about a XM Cloud Project as JSON	<code>dotnet sitecore cloud project info --project-id &lt;Project-Id&gt; --json</code>	Output as Json
To create a new XM Cloud Project	<code>dotnet sitecore cloud project create --name "&lt;Project-Name&gt;"</code>	-
To update the XM Cloud Project details	<code>dotnet sitecore cloud project update --project-id &lt;Project-Id&gt; --name "Nehem"</code>	Only one attribute (name) can be updated at this time.
To delete the XM Cloud Project	<code>dotnet sitecore cloud project delete --project-id &lt;Project-Id&gt;</code>	Cannot delete the project if 1 or more active environments. Should delete all the environment at first and then project can be deleted.

### XM Cloud CLI - Deployment

To create a deployment request	<code>dotnet sitecore cloud deployment create --environment-id &lt;Environment-Id&gt;</code>	Deployment request created and started immediately for the environment.
To queue a deployment request	<code>dotnet sitecore cloud deployment create --environment-id &lt;Environment-Id&gt; --no-start</code>	Need to call <code>deployment start</code> to start the deployment
To create the deployment request without showing the status in CLI Console	<code>dotnet sitecore cloud deployment create --environment-id &lt;Environment-Id&gt; --no-watch</code>	-
To create the deployment request and upload the assets from current working directory	<code>dotnet sitecore cloud deployment create --environment-id &lt;Environment-Id&gt; --upload</code>	-
To create the deployment request and upload the assets from a custom working directory	<code>dotnet sitecore cloud deployment create --environment-id &lt;Environment-Id&gt; --upload --working-dir "C:\Artifacts"</code>	-
To view the existing deployment request information	<code>dotnet sitecore cloud deployment info --deployment-id &lt;Deployment-Id&gt;</code>	-
To list all the deployment requests on an XM Cloud Environment	<code>dotnet sitecore cloud deployment list --environment-id &lt;Environment-Id&gt;</code>	-
To start a deployment which is in queue	<code>dotnet sitecore cloud deployment start --deployment-id &lt;Environment-Id&gt;</code>	-
To start the deployment and watch the post actions in CLI Console	<code>dotnet sitecore cloud deployment start --deployment-id &lt;Environment-Id&gt; --waitForPostActions</code>	-
To watch the status of the deployment request in Console	<code>dotnet sitecore cloud deployment watch --deployment-id &lt;Deployment-Id&gt;</code>	Will attach the console to see the status realtime



### XM Cloud CLI - Deployment (cont)

To view the deployment log in console	<code>dotnet sitecore cloud deployment log --deployment-id &lt;Deployment-Id&gt;</code>	-
To download the deployment log to a specific folder	<code>dotnet sitecore cloud deployment log --deployment-id &lt;Deployment-Id&gt; --outputpath .</code>	Downloads the deployment log to the current working folder.
Output of the log file will be saved in the current folder in this format. <code>Deployment_&lt;DEPLOYMENTID&gt;_logs.json</code>		

### XM Cloud CLI - Environment

To list all XM Cloud Environment for a project	<code>dotnet sitecore cloud environment list --project-id &lt;Project-Id&gt;</code>	Need specific Project ID
To list all XM Cloud Environment for a project as JSON	<code>dotnet sitecore cloud environment list --project-id &lt;Project-Id&gt; --json</code>	Output as JSON
To get the information	<code>dotnet sitecore cloud environment get --environment-id &lt;Environment-Id&gt;</code>	-
To get the information as JSON	<code>dotnet sitecore cloud environment info --environment-id &lt;Environment-Id&gt; --json</code>	Output as JSON
To create a new XM Cloud Environment	<code>dotnet sitecore cloud environment create --name "QA" --project-id &lt;Project-Id&gt;</code>	Need specific Project ID under which Environment will be created
To create a new XM Cloud Production Environment	<code>dotnet sitecore cloud environment create --name "Production" --project-id &lt;Project-Id&gt; --prod</code>	Need <code>--prod</code> to indicate that it is a production Environment
To create a new XM Cloud Environment as JSON	<code>dotnet sitecore cloud environment create --name "QA" --project-id &lt;Project-Id&gt; --json</code>	Output as JSON
To update an XM Cloud Environment	<code>dotnet sitecore cloud environment update --environment-id &lt;Environment-Id&gt; --name "&lt;New-Name&gt;"</code>	Need the specific Environment ID. Only name can be updated as of now
To delete an XM Cloud Environment	<code>dotnet sitecore cloud environment delete --environment-id &lt;Environment-Id&gt;</code>	Need the specific Environment ID
To connect current Sitecore solution to an XM Cloud Environment	<code>dotnet sitecore cloud environment connect --environment-id &lt;Environment-Id&gt; --name "Staging"</code>	Establish connection info for an XM Cloud Environment (updates endpoints in user.json). Add a new endpoint in user.json with name. <code>--name</code> is optional.
To disconnect current Sitecore solution to an XM Cloud Environment	<code>sitecore cloud environment disconnect --environment-id &lt;Environment-Id&gt; --name "Staging"</code>	Remove connection info for an XM Cloud Environment (updates endpoints in user.json). <code>--name</code> is optional.
To promote a deployment to another XM Cloud Environment	<code>dotnet sitecore cloud environment promote --environment-id &lt;Environment-Id&gt; --source-id &lt;Deployment-Id&gt;</code>	Similar to <code>Deployment Create</code> command. Need the source deployment ID which should be promoted to. Can create the promotion deployment request without starting it.
	<code>dotnet sitecore cloud environment promote --environment-id &lt;Environment-Id&gt; --source-id &lt;Deployment-Id&gt; --no-start</code>	Similar to <code>deployment create</code> command, deployment can be queued.



### XM Cloud CLI - Environment (cont)

	<code>dotnet sitecore cloud environment promote --environment-id &lt;Environment-Id&gt; --source-id &lt;Deployment-Id&gt; --no-watch</code>	Will not show the deployment progress in CLI
	<code>dotnet sitecore cloud environment promote --environment-id &lt;Environment-Id&gt; --source-id &lt;Deployment-Id&gt; --waitForPostActions</code>	Will show the Post Actions progress in the CLI. Be default, post actions are not shown in real time in CLI. <i>--no-watch</i> has high precedence than <i>--waitForPostActions</i>
To list all the available logs from an XM Cloud Environment	<code>dotnet sitecore cloud environment log list --environment-id &lt;Environment-Id&gt;</code>	-
	<code>dotnet sitecore cloud environment log list --environment-id &lt;Environment-Id&gt; --latest</code>	Gets only the latest set of log files
	<code>dotnet sitecore cloud environment log list --environment-id &lt;Environment-Id&gt; --latest --json</code>	Get the latest log files in a JSON format and it has the API path property to get the log file.
To download the specific log file	<code>dotnet sitecore cloud environment log download --environment-id &lt;Environment-Id&gt; --logfile &lt;LogFile&gt; --outputpath .</code>	Downloads in the current folder (.)
To view the log file in the console	<code>dotnet sitecore cloud environment log view --environment-id &lt;Environment-Id&gt; --logfile &lt;LogFile&gt;</code>	Similar to Download except it is rendered in console. There is no tail option.
To get the health of the environment	<code>dotnet sitecore cloud environment health --environment-id &lt;Environment-Id&gt;</code>	Calls <code>https://&lt;Environment-Host&gt;/healthz/ready</code> and provides whether it is healthy or not. <code>/healthz/ready</code> . Healthy if 200 and Unhealthy if 503 response code.
To list all the environment variables of an Environment	<code>dotnet sitecore cloud environment variable list --environment-id &lt;Environment-Id&gt;</code>	To print all the variables in the Console
	<code>dotnet sitecore cloud environment variable list --environment-id &lt;Environment-Id&gt; --json</code>	Output as JSON

**⚠ - Creating/Updating/Deleting Environment Variable requires a rebuild/redeploy of XM Cloud environment for the changes to take effect.**

To create/update an environment variable of an Environment	<code>dotnet sitecore cloud environment variable upsert --environment-id &lt;Environment-Id&gt; --name "Variable-Name" --value "Variable-Value"</code>	-
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### XM Cloud CLI - Environment (cont)

	<code>dotnet sitecore cloud environment variable upsert --environment-id &lt;Environment-Id&gt; --name "Variable-Name" --value "Variable-Value" --target CM</code>	Target this variable for CM only
	<code>dotnet sitecore cloud environment variable upsert --environment-id &lt;Environment-Id&gt; --name "Variable-Name" --value "Variable-Value" --target &lt;Rendering-Host-Name&gt;</code>	Target this variable for Rendering Host
	<code>dotnet sitecore cloud environment variable upsert --environment-id &lt;Environment-Id&gt; --name "Variable-Name" --value "Variable-Value" --secret</code>	This bool sets the variable encrypted
To delete an environment variable	<code>dotnet sitecore cloud environment variable delete -environment-id &lt;Environment-Id&gt; -name "Variable-Name"</code>	-
To restart an environment	<code>dotnet sitecore cloud environment restart --environment-id &lt;environment-id&gt;</code>	Environment will be restarted without any intervention to CM instance.



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Published 1st September, 2023.  
 Last updated 23rd October, 2024.  
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