

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 <Org-Client-Id> --client-secret <Org-Client-Secret></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 <Automation-Client-Id> --client-secret <Automation-Client-Secret></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 https://auth.sitecorecloud.io/ --audience https://api.sitecorecloud.io --client-id <Org-Client-Id> --client-secret <Org-Client-Secret> --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 <Edge-Client-Id> --client-secret <Edge-Client-Secret></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 <id></code>	-
To display information about the current user's organizations as JSON	<code>dotnet sitecore cloud organization info --organization-id <id> - -json</code>	Output as Json
To display the health status of the organization's resources	<code>dotnet sitecore cloud organization health --organization-id <id></code>	-
To display the health status of the organization's resources as JSON	<code>dotnet sitecore cloud organization health --organization-id <id> --json</code>	Output as Json
To download the organization's license to the current folder	<code>dotnet sitecore cloud organization license --organization-id <id></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 <Project-Id></code>	-
To get information about a XM Cloud Project as JSON	<code>dotnet sitecore cloud project info --project-id <Project-Id> --json</code>	Output as Json
To create a new XM Cloud Project	<code>dotnet sitecore cloud project create --name "<Project-Name>"</code>	-
To update the XM Cloud Project details	<code>dotnet sitecore cloud project update --project-id <Project-Id> --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 <Project-Id></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 <Environment-Id></code>	Deployment request created and started immediately for the environment.
To queue a deployment request	<code>dotnet sitecore cloud deployment create --environment-id <Environment-Id> --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 <Environment-Id> --no-watch</code>	-
To create the deployment request and upload the assets from current working directory	<code>dotnet sitecore cloud deployment create --environment-id <Environment-Id> --upload</code>	-
To create the deployment request and upload the assets from a custom working directory	<code>dotnet sitecore cloud deployment create --environment-id <Environment-Id> --upload --working-dir "C:\Artifacts"</code>	-
To view the existing deployment request information	<code>dotnet sitecore cloud deployment info --deployment-id <Deployment-Id></code>	-
To list all the deployment requests on an XM Cloud Environment	<code>dotnet sitecore cloud deployment list --environment-id <Environment-Id></code>	-
To start a deployment which is in queue	<code>dotnet sitecore cloud deployment start --deployment-id <Environment-Id></code>	-
To start the deployment and watch the post actions in CLI Console	<code>dotnet sitecore cloud deployment start --deployment-id <Environment-Id> --waitForPostActions</code>	-
To watch the status of the deployment request in Console	<code>dotnet sitecore cloud deployment watch --deployment-id <Deployment-Id></code>	Will attach the console to see the status realtime



XM Cloud CLI - Deployment (cont)

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

XM Cloud CLI - Environment

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



XM Cloud CLI - Environment (cont)

	dotnet sitecore cloud environment promote -- environment-id <Environment-Id> --source-id <Deployment-Id> --no-watch	Will not show the deployment progress in CLI
	dotnet sitecore cloud environment promote -- environment-id <Environment-Id> --source-id <Deployment-Id> --waitForPostActions	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	dotnet sitecore cloud environment log list -- environment-id <Environment-Id>	-
	dotnet sitecore cloud environment log list -- environment-id <Environment-Id> --latest	Gets only the latest set of log files
	dotnet sitecore cloud environment log list -- environment-id <Environment-Id> --latest --json	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	dotnet sitecore cloud environment log download -- environment-id <Environment-Id> --logfile <LogFile> --outputpath .	Downloads in the current folder (.)
To view the log file in the console	dotnet sitecore cloud environment log view -- environment-id <Environment-Id> --logfile <LogFile>	Similar to Download except it is rendered in console. There is no tail option.
To get the health of the environment	dotnet sitecore cloud environment health -- environment-id <Environment-Id>	Calls <a href="https://<Environment-Host>/healthz/ready">https://<Environment-Host>/healthz/ready and provides whether it is healthy or not. <a href="https://<Environment-Host>/healthz/ready">/healthz/ready . Healthy if 200 and Unhealthy if 503 response code.
To list all the environment variables of an Environment	dotnet sitecore cloud environment variable list -- environment-id <Environment-Id>	To print all the variables in the Console
	dotnet sitecore cloud environment variable list -- environment-id <Environment-Id> --json	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	dotnet sitecore cloud environment variable upsert -- environment-id <Environment-Id> --name "Variable-Name" --value "Variable-Value"	-
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XM Cloud CLI - Environment (cont)

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

XM Cloud CLI - Editing Host

To create a new editing host	dotnet sitecore cloud editinghost create --cm-environment-id <cm-id> --name "Staging"	-
To update the name of an existing editing host	dotnet sitecore cloud editinghost update --environment-id <editinghost-id> --name "Staging updated"	-
To permanently delete an editing host	dotnet sitecore cloud editinghost delete --environment-id <editinghost-id>	-
To create and start a deployment entity for an editing host	dotnet sitecore cloud editinghost deploy --environment-id <editinghost-id>	-

