Cheatography

Sitecore XM Cloud CLI Cheat Sheet

by Nehemiah (nehem87) via cheatography.com/192697/cs/40102/

XM Cloud CLI - Login & Logout

To login to XM Cloud Organization using a device code flow with writing allowed	dotnet sitecore cloud login --allow-write	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)	dotnet sitecore cloud login --allow-write --client-credentials --client-id <Org-Client-Id> --client-secret <Org-Client-Secret>	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)	dotnet sitecore cloud login --allow-write --client-credentials --client-id <Automation-Client-Id> --client-secret <Automation-Client-Secret>	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)	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	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)	dotnet sitecore cloud login --allow-write --client-credentials --client-id <Edge-Client-Id> --client-secret <Edge-Client-Secret>	Can manage the Experience Edge for XM Cloud settings of an environment
To logout of an XM Cloud Environment	dotnet sitecore cloud logout	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	dotnet sitecore cloud organization info --organization-id <id>	-
To display information about the current user's organizations as JSON	dotnet sitecore cloud organization info --organization-id <id> --json	Output as Json
To display the health status of the organization's resources	dotnet sitecore cloud organization health --organization-id <id>	-
To display the health status of the organization's resources as JSON	dotnet sitecore cloud organization health --organization-id <id> --json	Output as Json
To download the organization's license to the current folder	dotnet sitecore cloud organization license --organization-id <id>	-

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

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XM Cloud CLI - Project (cont)		
To get information about a XM Cloud Project	dotnet sitecore cloud project info --project-id <Project-Id>	-
To get information about a XM Cloud Project as JSON	dotnet sitecore cloud project info --project-id <Project-Id> --json	Output as Json
To create a new XM Cloud Project	dotnet sitecore cloud project create --name "<Project-Name>"	-
To update the XM Cloud Project details	dotnet sitecore cloud project update --project-id <Project-Id> --name "Nehem"	Only one attribute (name) can be updated at this time.
To delete the XM Cloud Project	dotnet sitecore cloud project delete --project-id <Project-Id>	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	dotnet sitecore cloud deployment create --environment-id <Environment-Id>	Deployment request created and started immediately for the environment.
To queue a deployment request	dotnet sitecore cloud deployment create --environment-id <Environment-Id> --no-start	Need to call `deployment start` to start the deployment
To create the deployment request without showing the status in CLI Console	dotnet sitecore cloud deployment create --environment-id <Environment-Id> --no-watch	-
To create the deployment request and upload the assets from current working directory	dotnet sitecore cloud deployment create --environment-id <Environment-Id> --upload	-
To create the deployment request and upload the assets from a custom working directory	dotnet sitecore cloud deployment create --environment-id <Environment-Id> --upload --working-dir "C:\Artifacts"	-
To view the existing deployment request information	dotnet sitecore cloud deployment info --deployment-id <Deployment-Id>	-
To list all the deployment requests on an XM Cloud Environment	dotnet sitecore cloud deployment list --environment-id <Environment-Id>	-
To start a deployment which is in queue	dotnet sitecore cloud deployment start --deployment-id <Environment-Id>	-
To start the deployment and watch the post actions in CLI Console	dotnet sitecore cloud deployment start --deployment-id <Environment-Id> --waitForPostActions	-
To watch the status of the deployment request in Console	dotnet sitecore cloud deployment watch --deployment-id <Deployment-Id>	Will attach the console to see the status realtime

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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 *Deployment Create* 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 *deployment create* command, deployment can be queued.

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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. *--no-watch* has high precedence than *--waitForPostActions*
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 https://<Environment-Host>/healthz/ready and provides whether it is healthy or not. /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>	-

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