

Helm Cheat Sheet



The Helm client allows you to run all Helm commands.

Displaying environment information

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| helm version | Prints out the Helm client version |
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Managing repositories

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| helm repo add jetstack https://charts.jetstack.io | Adds the chart repository located at https://charts.jetstack.io and gives it the "jetstack" name |
| helm repo update | Updates information of available charts locally from chart repositories |

Installing charts

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| helm install cert-manager jetstack/cert-manager -n emissary --create-namespace | Installs the jetstack/cert-manager chart by chart reference in the "emissary" namespace, creating a release named "cert-manager". If the "emissary" namespace does not exist, it gets created. |
| helm install identity-service .\helm -f .\helm\values.yaml -n identity | Installs the chart under the .\helm directory in the "identity" namespace, creating a release named "identity-service". The values in the chart are overridden by the values in the .\helm\values.yaml file. |
| helm upgrade catalog-service oci://playeconomy.azurecr.io/helm/microservice --version 0.1.0 -f .\helm\values.yaml -n catalog --install | Upgrades the "catalog-service" release using version 0.1.0 of the "microservice" chart from the "playeconomy" ACR. The values in the chart are overridden by the values in the .\helm\values.yaml file. Also, if the release does not exist yet, it creates it as if installing the chart for the first time. |

Authenticating to registries

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| az acr login --name playeconomy --expose-token --output tsv --query accessToken | Logs in to the playeconomy ACR and retrieves an access token that can be used to authenticate to a Helm registry |
| helm registry login playeconomy.azurecr.io -u 00000000-0000-0000-0000-000000000000 -p [ACCESS_TOKEN] | Authenticates to the "playeconomy" ACR using an empty GUID as user and an access token as password. The HELM_EXPERIMENTAL_OCI environment variable must be defined with a value of "1" for the command to work. |

| Publishing charts | |
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| helm package .\helm\microservice | Packages the chart in the .\helm\microservice directory into a chart archive. |
| helm push microservice-0.1.0.tgz oci://playeconomy.azurecr.io/helm | Pushes the chart in the microservice-0.1.0.tgz archive to the “playeconomy” ACR. |
| Rolling back releases | |
| helm rollback catalog-service 3 -n catalog | Rolls back the “catalog-service” release to revision 3 in the “catalog” namespace |