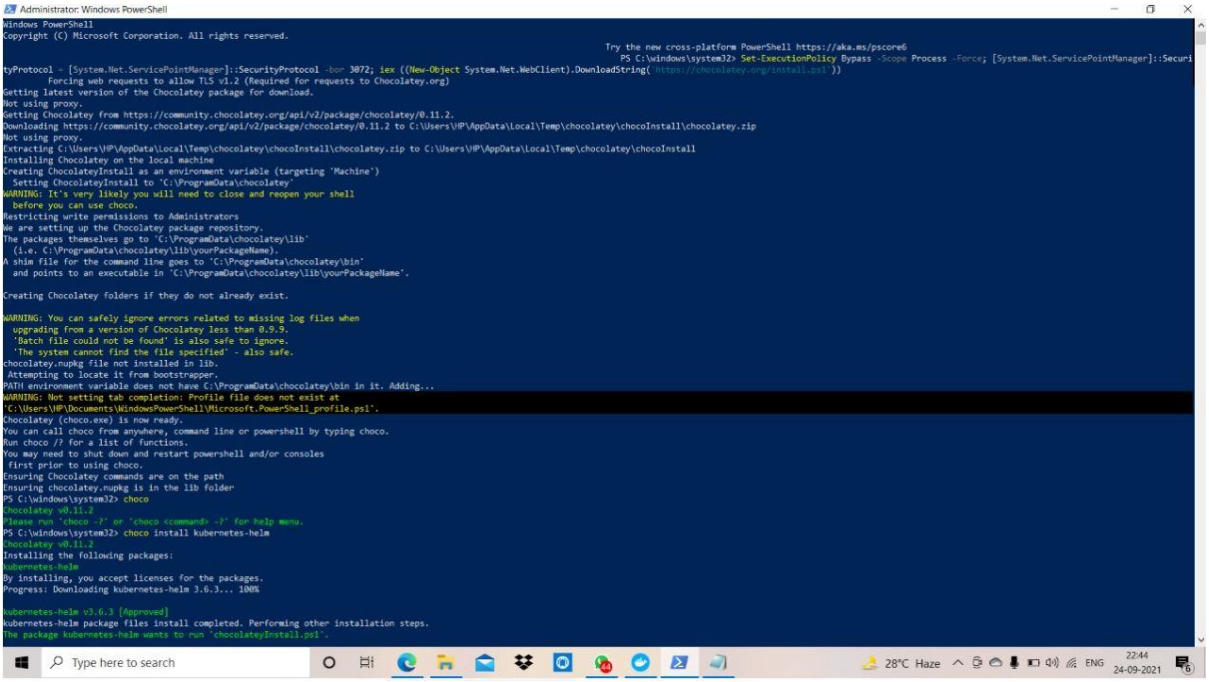
Assignment

Use Kubernetes Helm Package installer and perform installation, configuration and revision of Software package.

Team 11


Administrator: Windows PowerShell
Windows PowerShell
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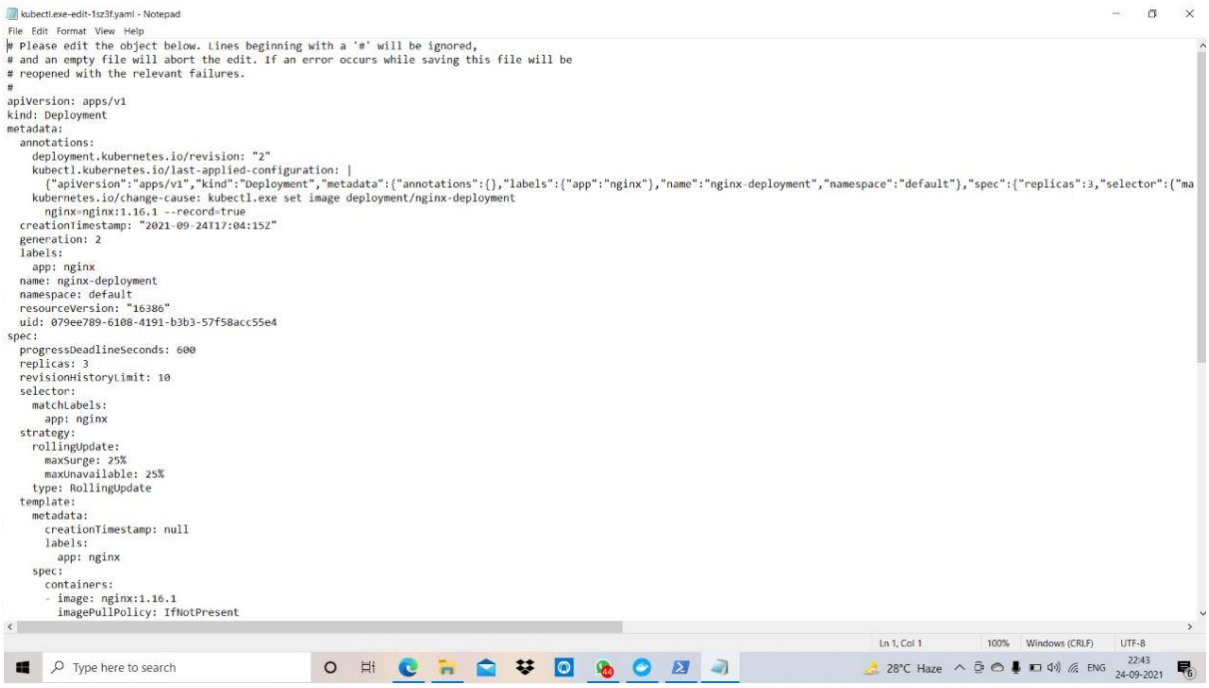
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\windows\system32> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::Securi
tyProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))
Forcing web requests to allow TLS v1.2 (Required for requests to Chocolatey.org)
Getting latest version of the Chocolatey package for download.
Not using proxy.
Getting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2 to C:\Users\HP\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip
Not using proxy.
Extracting C:\Users\HP\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip to C:\Users\HP\AppData\Local\Temp\chocolatey\chocoInstall
Installing Chocolatey on the local machine
Creating ChocolateyInstall as an environment variable (targeting 'Machine')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
before you can use choco.
Restricting write permissions to Administrators
We are setting up the Chocolatey package repository.
The packages themselves go to 'C:\ProgramData\chocolatey\lib'
(i.e. C:\ProgramData\chocolatey\lib\yourPackageName).
A shim file for the command line goes to 'C:\ProgramData\chocolatey\bin'
and points to an executable in 'C:\ProgramData\chocolatey\lib\yourPackageName'.
Creating Chocolatey folders if they do not already exist.
WARNING: You can safely ignore errors related to missing log files when
upgrading from a version of Chocolatey less than 0.9.9.
'Batch file could not be found' is also safe to ignore.
'The system cannot find the file specified' - also safe.
chocolatey.nupkg file not installed in lib.
Attempting to locate it from bootstrapper.
PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...
WARNING: Not setting tab completion: Profile file does not exist at
'C:\Users\HP\Documents\WindowsPowerShell\Microsoft.PowerShell_profile.ps1'.
Chocolatey (choco.exe) is now ready.
You can call choco from anywhere, command line or powershell by typing choco.
Run choco /? for a list of functions.
You may need to shut down and restart powershell and/or consoles
first prior to using choco.
Ensuring Chocolatey commands are on the path
Ensuring chocolatey.nupkg is in the lib folder
PS C:\windows\system32> choco
Chocolatey v0.11.2
Please run 'choco -?' or 'choco <command> -?' for help menu.
PS C:\windows\system32> choco install kubernetes-helm
Chocolatey v0.11.2
Installing the following packages:
kubernetes-helm
By installing, you accept licenses for the packages.
Progress: Downloading kubernetes-helm 3.6.3... 100%
kubernetes-helm v3.6.3 [Approved]
kubernetes-helm package files install completed. Performing other installation steps.
The package kubernetes-helm wants to run 'chocolateyInstall.ps1'.
Type here to search
28°C Haze
ENG
22:44
24-09-2021


kubectl.exe-edit-1sz3f.yaml - Notepad
File Edit Format View Help
Please edit the object below. Lines beginning with a '#' will be ignored,
and an empty file will abort the edit. If an error occurs while saving this file will be
reopened with the relevant failures.
#
apiVersion: apps/v1
kind: Deployment
metadata:
annotations:
deployment.kubernetes.io/revision: "2"
kubectl.kubernetes.io/last-applied-configuration: |
{"apiVersion":"apps/v1","kind":"Deployment","metadata":{"annotations":{},"labels":{"app":"nginx"},"name":"nginx-deployment","namespace":"default"},"spec":{"replicas":3,"selector":{"ma
kubernetes.io/change-cause: kubectl.exe set image deployment/nginx-deployment
nginx=nginx:1.16.1 --record=true
creationTimestamp: "2021-09-24T17:04:15Z"
generation: 2
labels:
app: nginx
name: nginx-deployment
namespace: default
resourceVersion: "16386"
uid: 079ee789-6108-4191-b3b3-57f58acc55e4
spec:
progressDeadlineSeconds: 600
replicas: 3
revisionHistoryLimit: 10
selector:
matchLabels:
app: nginx
strategy:
rollingUpdate:
maxSurge: 25%
maxUnavailable: 25%
type: RollingUpdate
template:
metadata:
creationTimestamp: null
labels:
app: nginx
spec:
containers:
- image: nginx:1.16.1
imagePullPolicy: IfNotPresent
Ln 1, Col 1
100%
Windows (CRLF)
UTF-8
Type here to search
28°C Haze
ENG
22:43
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kubectl.exe-edit-1sz3f.yaml - Notepad

File Edit Format View Help

```
  template:
    metadata:
      creationTimestamp: null
      labels:
        app: nginx
    spec:
      containers:
      - image: nginx:1.16.1
        imagePullPolicy: IfNotPresent
        name: nginx
        ports:
        - containerPort: 80
          protocol: TCP
        resources: {}
        terminationMessagePath: /dev/termination-log
        terminationMessagePolicy: File
      dnsPolicy: ClusterFirst
      restartPolicy: Always
      schedulerName: default-scheduler
      securityContext: {}
      terminationGracePeriodSeconds: 30
status:
  availableReplicas: 3
  conditions:
  - lastTransitionTime: "2021-09-24T17:08:29Z"
    lastUpdateTime: "2021-09-24T17:08:29Z"
    message: Deployment has minimum availability.
    reason: MinimumReplicasAvailable
    status: "True"
    type: Available
  - lastTransitionTime: "2021-09-24T17:04:16Z"
    lastUpdateTime: "2021-09-24T17:12:25Z"
    message: ReplicaSet "nginx-deployment-559d658b74" is progressing.
    reason: ReplicaSetUpdated
    status: "True"
    type: Progressing
  observedGeneration: 2
  readyReplicas: 3
  replicas: 4
  unavailableReplicas: 1
  updatedReplicas: 1
```

Ln 1, Col 1 | 100% | Windows (CRLF) | UTF-8

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Administrator: Windows PowerShell

```
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```

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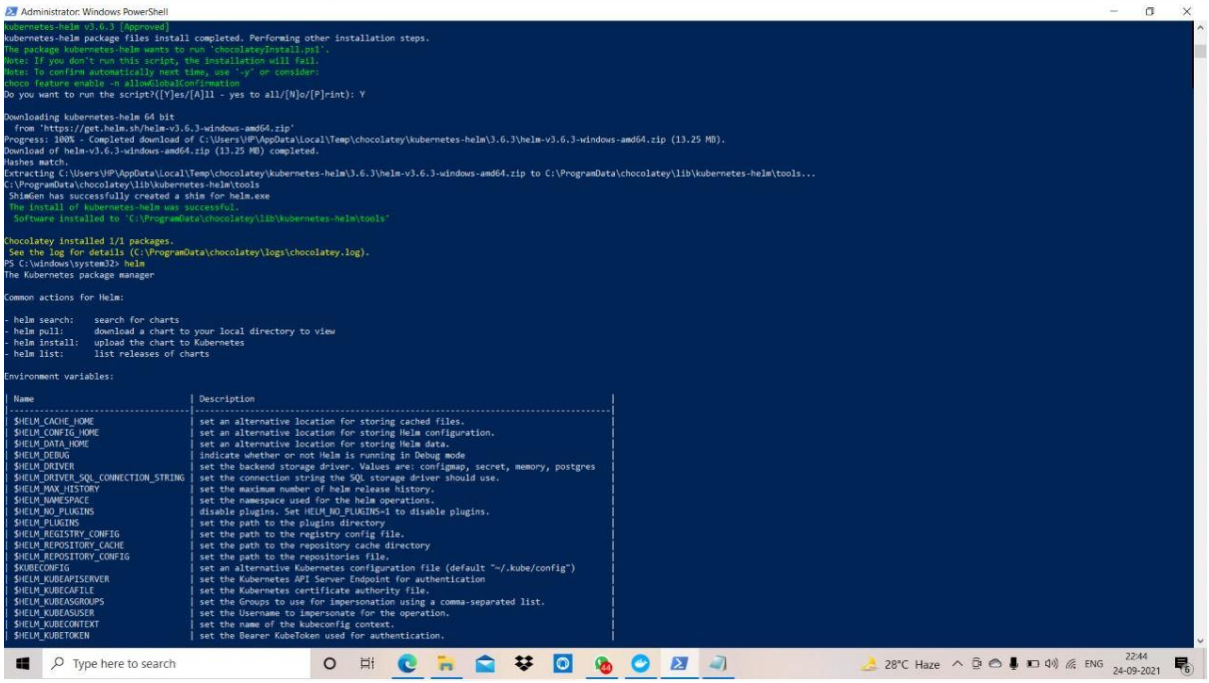
Administrator: Windows PowerShell
kubernetes-helm v3.6.3 [Approved]
kubernetes-helm package files install completed. Performing other installation steps.
The package kubernetes-helm wants to run 'chocolateyInstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): Y
Downloading kubernetes-helm 64 bit
from 'https://get.helm.sh/helm-v3.6.3-windows-amd64.zip'
Progress: 100% - Completed download of C:\Users\HP\AppData\Local\Temp\chocolatey\kubernetes-helm\3.6.3\helm-v3.6.3-windows-amd64.zip (13.25 MB).
Download of helm-v3.6.3-windows-amd64.zip (13.25 MB) completed.
Hashes match.
Extracting C:\Users\HP\AppData\Local\Temp\chocolatey\kubernetes-helm\3.6.3\helm-v3.6.3-windows-amd64.zip to C:\ProgramData\chocolatey\lib\kubernetes-helm\tools...
C:\ProgramData\chocolatey\lib\kubernetes-helm\tools
ShimGen has successfully created a shim for helm.exe
The install of kubernetes-helm was successful.
Software installed to 'C:\ProgramData\chocolatey\lib\kubernetes-helm\tools'
Chocolatey installed 1/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
PS C:\windows\system32> helm
The Kubernetes package manager
Common actions for Helm:
- helm search: search for charts
- helm pull: download a chart to your local directory to view
- helm install: upload the chart to Kubernetes
- helm list: list releases of charts
Environment variables:
Name	Description
$HELM_CACHE_HOME	set an alternative location for storing cached files.
$HELM_CONFIG_HOME	set an alternative location for storing Helm configuration.
$HELM_DATA_HOME	set an alternative location for storing Helm data.
$HELM_DEBUG	indicate whether or not Helm is running in Debug mode
$HELM_DRIVER	set the backend storage driver. Values are: configmap, secret, memory, postgres
$HELM_DRIVER_SQL_CONNECTION_STRING	set the connection string the SQL storage driver should use.
$HELM_MAX_HISTORY	set the maximum number of helm release history.
$HELM_NAMESPACE	set the namespace used for the helm operations.
$HELM_NO_PLUGINS	disable plugins. Set HELM_NO_PLUGINS=1 to disable plugins.
$HELM_PLUGINS	set the path to the plugins directory
$HELM_REGISTRY_CONFIG	set the path to the registry config file.
$HELM_REPOSITORY_CACHE	set the path to the repository cache directory
$HELM_REPOSITORY_CONFIG	set the path to the repositories file.
$KUBECONFIG	set an alternative Kubernetes configuration file (default "~/.kube/config")
$HELM_KUBEAPISERVER	set the Kubernetes API Server Endpoint for authentication
$HELM_KUBECAFILE	set the Kubernetes certificate authority file.
$HELM_KUBEASGROUPS	set the Groups to use for impersonation using a comma-separated list.
$HELM_KUBEASUSER	set the Username to impersonate for the operation.
$HELM_KUBECONTEXT	set the name of the kubeconfig context.
$HELM_KUBETOKEN	set the Bearer KubeToken used for authentication.
Type here to search
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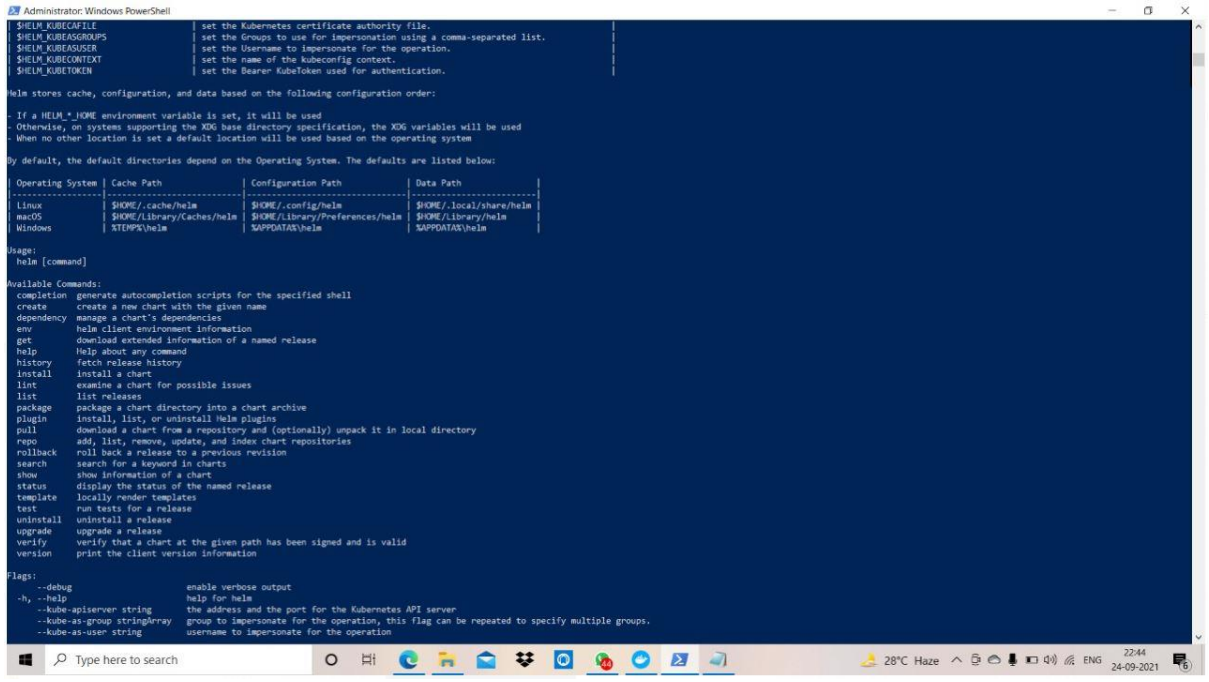
22:44
24-09-2021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Helm stores cache, configuration, and data based on the following configuration order:
- If a HELM_*_HOME environment variable is set, it will be used
- Otherwise, on systems supporting the XDG base directory specification, the XDG variables will be used
- When no other location is set a default location will be used based on the operating system
By default, the default directories depend on the Operating System. The defaults are listed below:
Operating System	Cache Path	Configuration Path	Data Path
Linux	$HOME/.cache/helm	$HOME/.config/helm	$HOME/.local/share/helm
macOS	$HOME/Library/Caches/helm	$HOME/Library/Preferences/helm	$HOME/Library/helm
Windows	%TEMP%\helm	%APPDATA%\helm	%APPDATA%\helm
Usage:
helm [command]
Available Commands:
completion generate autocompletion scripts for the specified shell
create create a new chart with the given name
dependency manage a chart's dependencies
env helm client environment information
get download extended information of a named release
help Help about any command
history fetch release history
install install a chart
lint examine a chart for possible issues
list list releases
package package a chart directory into a chart archive
plugin install, list, or uninstall Helm plugins
pull download a chart from a repository and (optionally) unpack it in local directory
repo add, list, remove, update, and index chart repositories
rollback roll back a release to a previous revision
search search for a keyword in charts
show show information of a chart
status display the status of the named release
template locally render templates
test run tests for a release
uninstall uninstall a release
upgrade upgrade a release
verify verify that a chart at the given path has been signed and is valid
version print the client version information
Flags:
--debug enable verbose output
-h, --help help for helm
--kube-apiserver string the address and the port for the Kubernetes API server
--kube-as-group stringArray group to impersonate for the operation, this flag can be repeated to specify multiple groups.
--kube-as-user string username to impersonate for the operation
Type here to search
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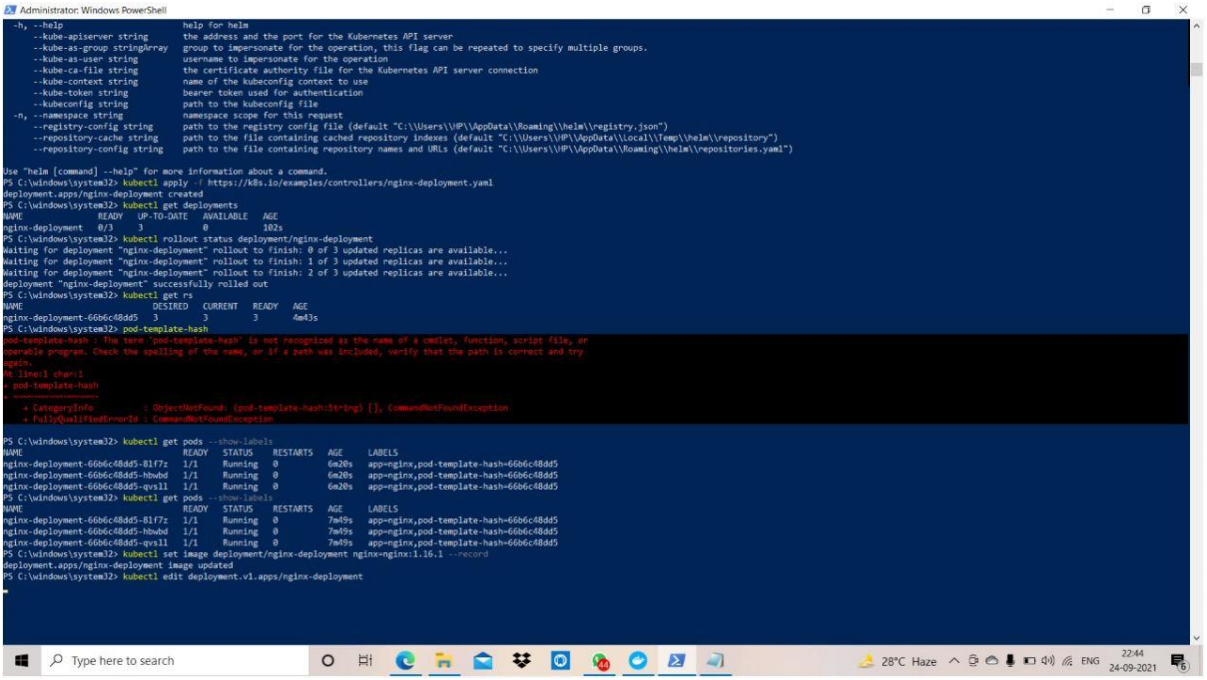
Administrator: Windows PowerShell
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--kube-as-user string username to impersonate for the operation
--kube-ca-file string the certificate authority file for the Kubernetes API server connection
--kube-context string name of the kubeconfig context to use
--kube-token string bearer token used for authentication
--kubeconfig string path to the kubeconfig file
-n, --namespace string namespace scope for this request
--registry-config string path to the registry config file (default "C:\\Users\\HP\\AppData\\Roaming\\helm\\registry.json")
--repository-cache string path to the file containing cached repository indexes (default "C:\\Users\\HP\\AppData\\Local\\Temp\\helm\\repository")
--repository-config string path to the file containing repository names and URLs (default "C:\\Users\\HP\\AppData\\Roaming\\helm\\repositories.yaml")
Use "helm [command] --help" for more information about a command.
PS C:\windows\system32> kubectl apply -f https://k8s.io/examples/controllers/nginx-deployment.yaml
deployment.apps/nginx-deployment created
PS C:\windows\system32> kubectl get deployments
NAME READY UP-TO-DATE AVAILABLE AGE
nginx-deployment 0/3 3 0 102s
PS C:\windows\system32> kubectl rollout status deployment/nginx-deployment
Waiting for deployment "nginx-deployment" rollout to finish: 0 of 3 updated replicas are available...
Waiting for deployment "nginx-deployment" rollout to finish: 1 of 3 updated replicas are available...
Waiting for deployment "nginx-deployment" rollout to finish: 2 of 3 updated replicas are available...
deployment "nginx-deployment" successfully rolled out
PS C:\windows\system32> kubectl get rs
NAME DESIRED CURRENT READY AGE
nginx-deployment-66b6c48dd5 3 3 3 4m43s
PS C:\windows\system32> pod-template-hash
pod-template-hash : The term 'pod-template-hash' is not recognized as the name of a cmdlet, function, script file, or
operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try
again.
At line:1 char:1
+ pod-template-hash
+ CategoryInfo : ObjectNotFound: (pod-template-hash:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException
PS C:\windows\system32> kubectl get pods --show-labels
NAME READY STATUS RESTARTS AGE LABELS
nginx-deployment-66b6c48dd5-81f7z 1/1 Running 0 6m20s app=nginx,pod-template-hash=66b6c48dd5
nginx-deployment-66b6c48dd5-hbwbd 1/1 Running 0 6m20s app=nginx,pod-template-hash=66b6c48dd5
nginx-deployment-66b6c48dd5-qvsll 1/1 Running 0 6m20s app=nginx,pod-template-hash=66b6c48dd5
PS C:\windows\system32> kubectl get pods --show-labels
NAME READY STATUS RESTARTS AGE LABELS
nginx-deployment-66b6c48dd5-81f7z 1/1 Running 0 7m49s app=nginx,pod-template-hash=66b6c48dd5
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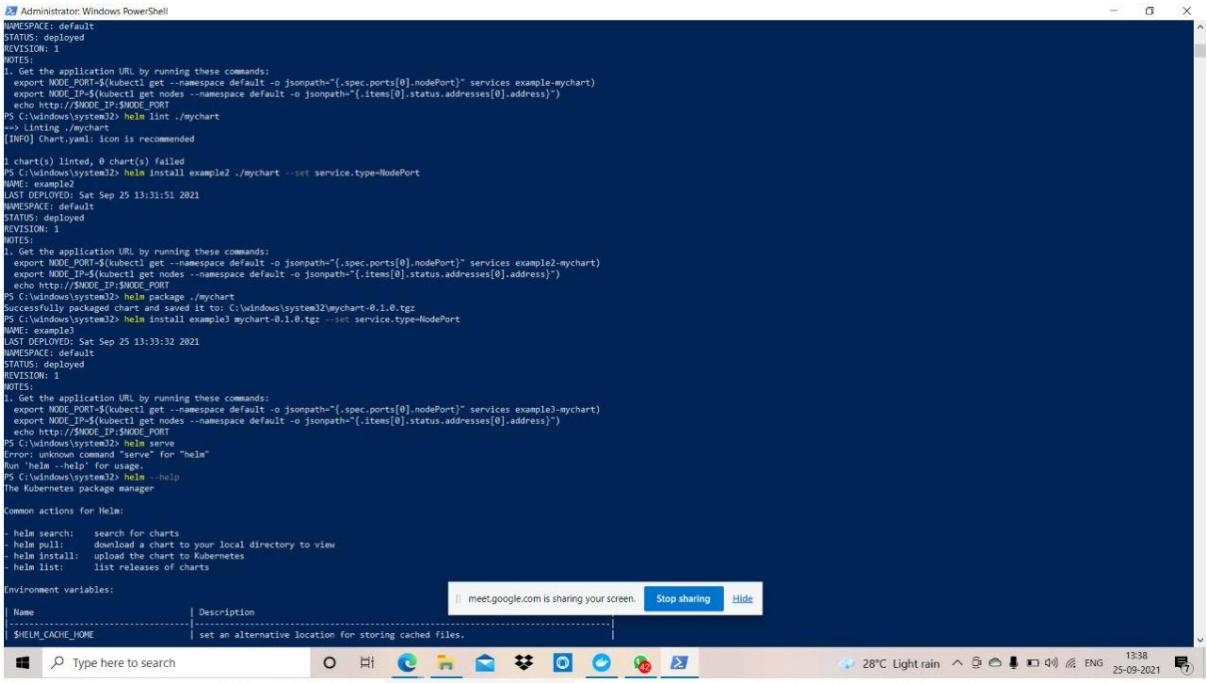
nginx-deployment-66b6c48dd5-qvsll 1/1 Running 0 7m49s app=nginx,pod-template-hash=66b6c48dd5
PS C:\windows\system32> kubectl set image deployment/nginx-deployment nginx-nginx:1.16.1 --record
deployment.apps/nginx-deployment image updated
PS C:\windows\system32> kubectl edit deployment.v1.apps/nginx-deployment
Type here to search
28°C Haze
ENG
22:44
24-09-2021


Administrator: Windows PowerShell
NAMESPACE: default
STATUS: deployed
REVISION: 1
NOTES:
1. Get the application URL by running these commands:
export NODE_PORT=$(kubectl get --namespace default -o jsonpath="{.spec.ports[0].nodePort}" services example-mychart)
export NODE_IP=$(kubectl get nodes --namespace default -o jsonpath="{.items[0].status.addresses[0].address}")
echo http://$NODE_IP:$NODE_PORT
PS C:\windows\system32> helm lint ./mychart
==> Linting ./mychart
[INFO] Chart.yaml: icon is recommended
1 chart(s) linted, 0 chart(s) failed
PS C:\windows\system32> helm install example2 ./mychart --set service.type=NodePort
NAME: example2
LAST DEPLOYED: Sat Sep 25 13:31:51 2021
NAMESPACE: default
STATUS: deployed
REVISION: 1
NOTES:
1. Get the application URL by running these commands:
export NODE_PORT=$(kubectl get --namespace default -o jsonpath="{.spec.ports[0].nodePort}" services example2-mychart)
export NODE_IP=$(kubectl get nodes --namespace default -o jsonpath="{.items[0].status.addresses[0].address}")
echo http://$NODE_IP:$NODE_PORT
PS C:\windows\system32> helm package ./mychart
Successfully packaged chart and saved it to: C:\windows\system32\mychart-0.1.0.tgz
PS C:\windows\system32> helm install example3 mychart-0.1.0.tgz --set service.type=NodePort
NAME: example3
LAST DEPLOYED: Sat Sep 25 13:33:32 2021
NAMESPACE: default
STATUS: deployed
REVISION: 1
NOTES:
1. Get the application URL by running these commands:
export NODE_PORT=$(kubectl get --namespace default -o jsonpath="{.spec.ports[0].nodePort}" services example3-mychart)
export NODE_IP=$(kubectl get nodes --namespace default -o jsonpath="{.items[0].status.addresses[0].address}")
echo http://$NODE_IP:$NODE_PORT
PS C:\windows\system32> helm serve
Error: unknown command "serve" for "helm"
Run 'helm --help' for usage.
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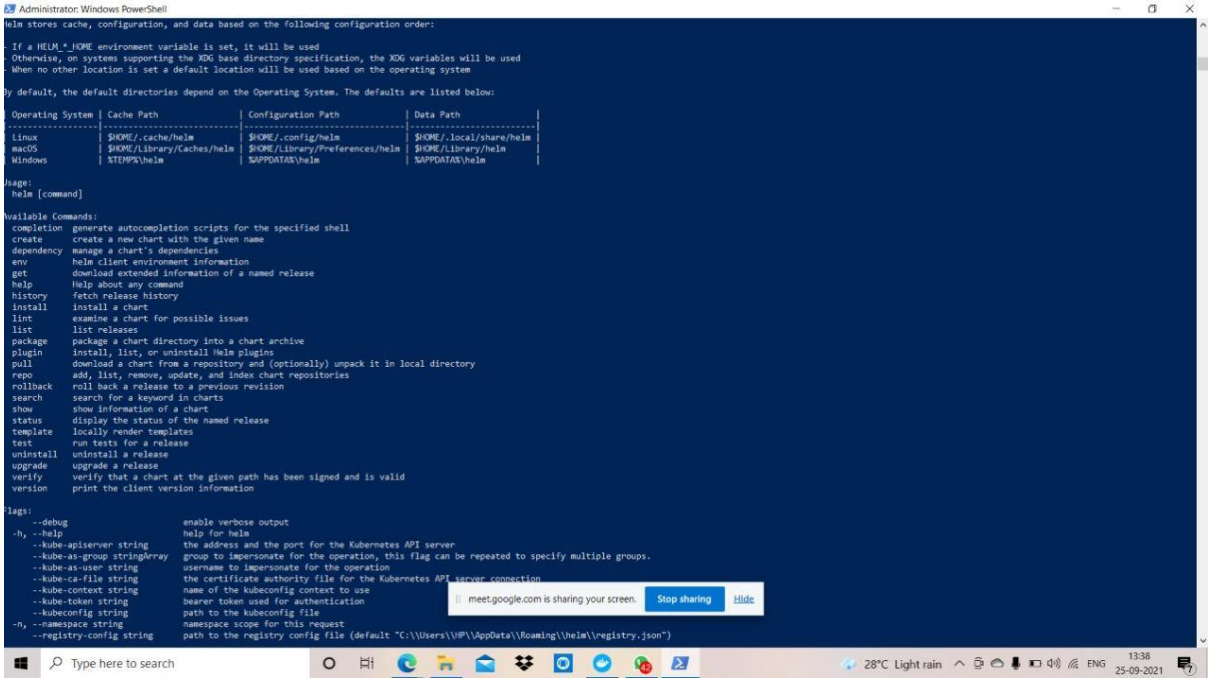
Environment variables:
| Name | Description |
| $HELM_CACHE_HOME | set an alternative location for storing cached files. |
meet.google.com is sharing your screen.
Stop sharing
Hide
Type here to search
28°C Light rain
ENG
13:38
25-09-2021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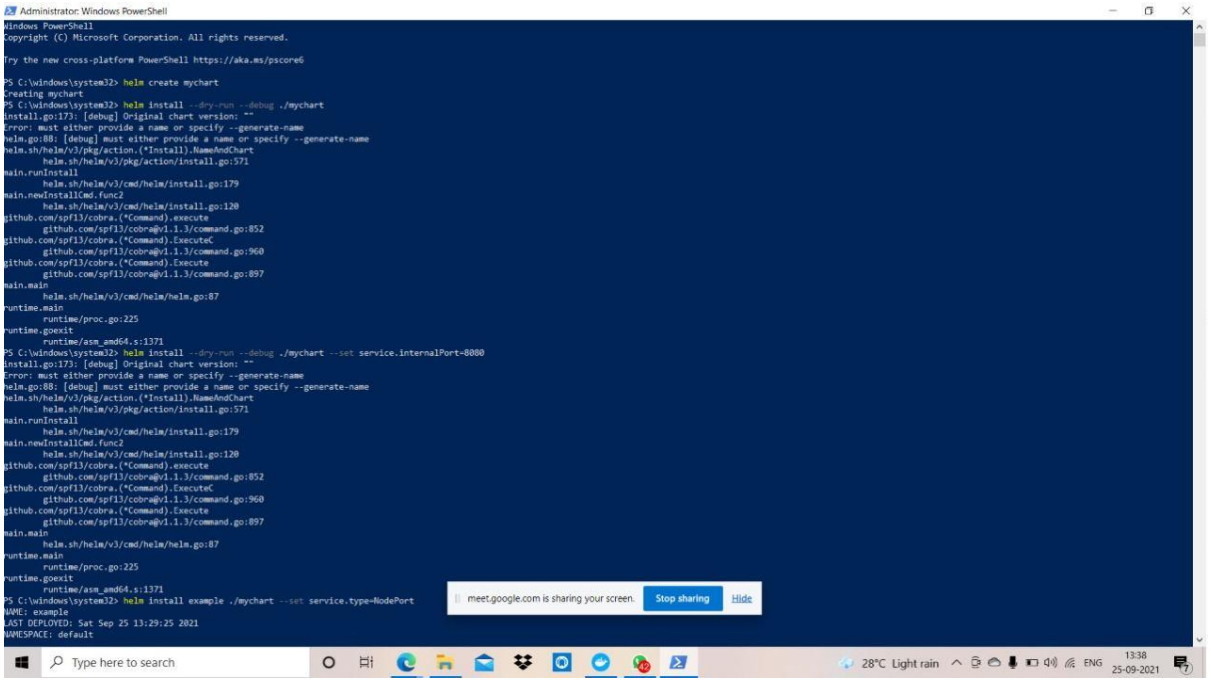
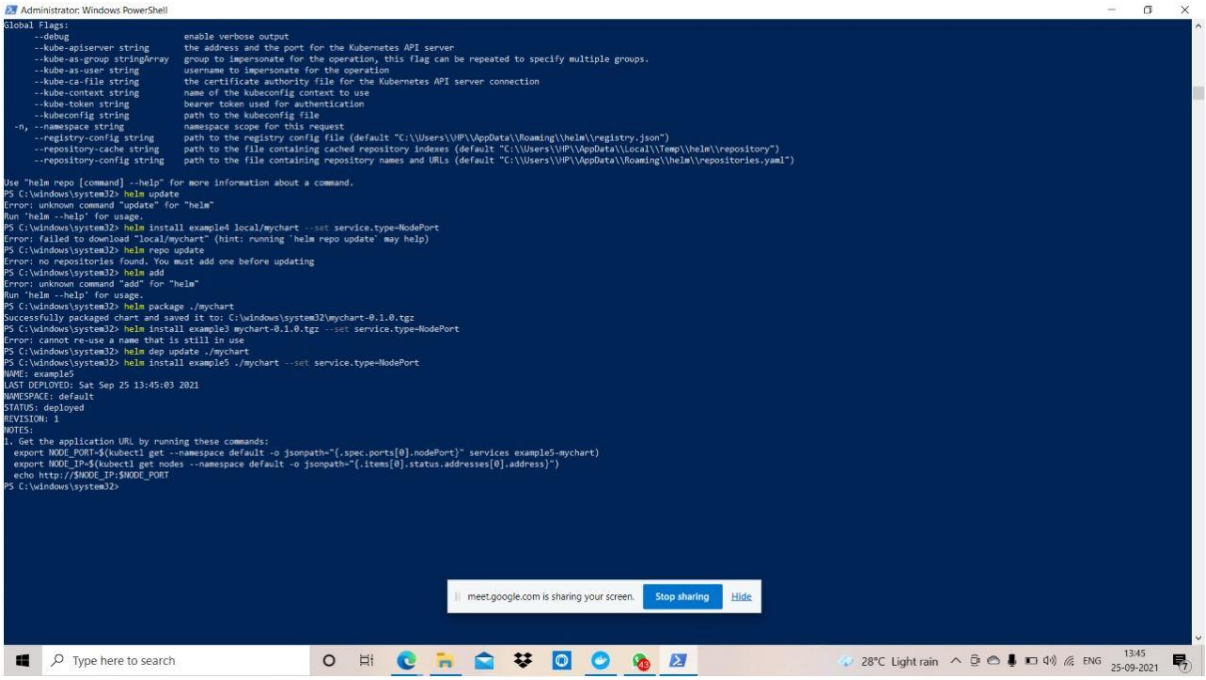
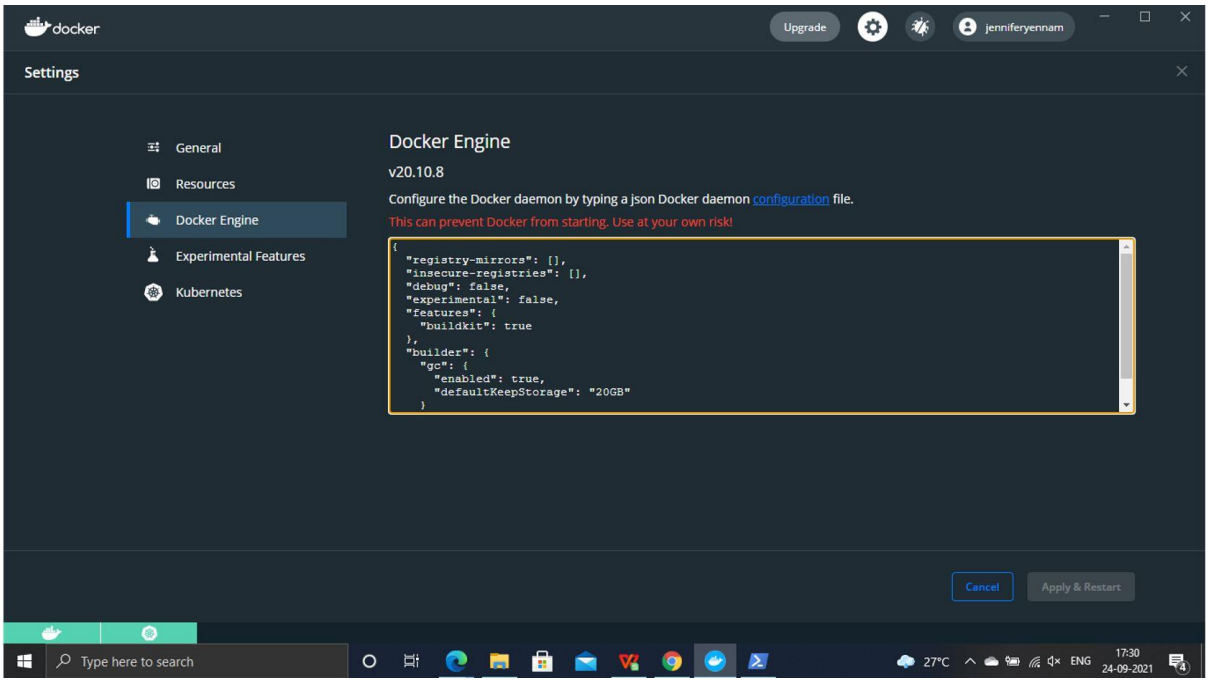
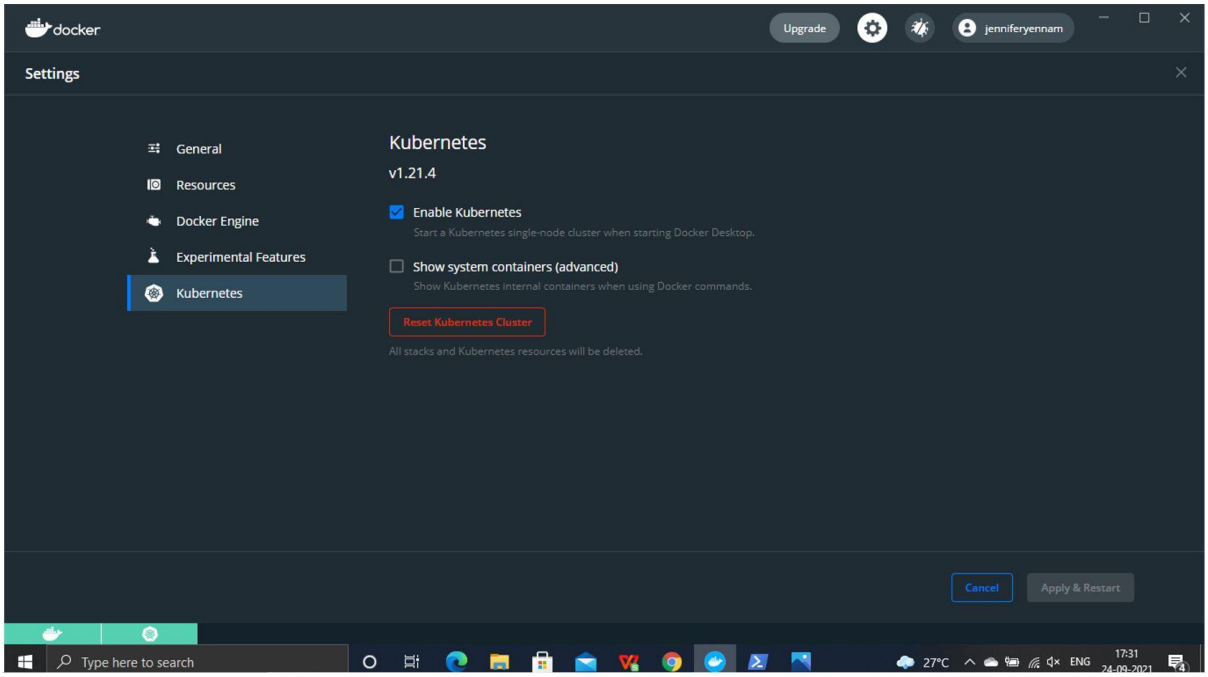
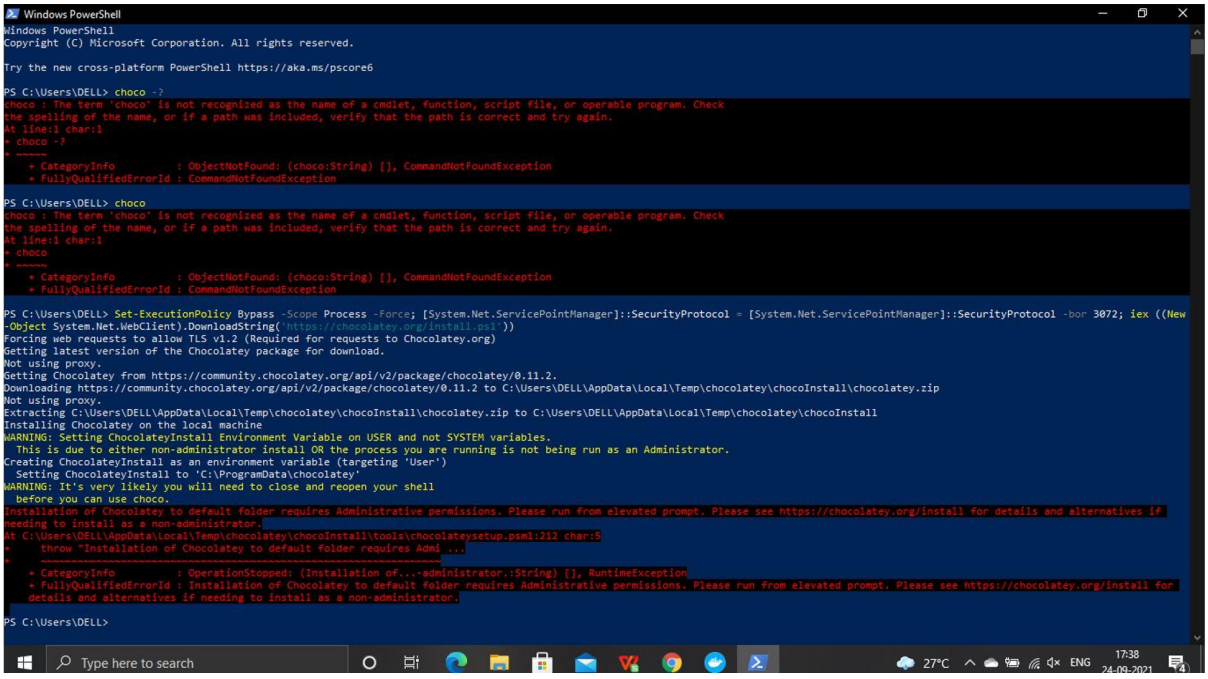
--kube-ca-file string the certificate authority file for the Kubernetes API server connection
--kube-context string name of the kubeconfig context to use
--kube-token string bearer token used for authentication
--kubeconfig string path to the kubeconfig file
-n, --namespace string namespace scope for this request
--registry-config string path to the registry config file (default "C:\\Users\\HP\\AppData\\Roaming\\helm\\registry.json")
meet.google.com is sharing your screen.
Stop sharing
Hide
Type here to search
28°C Light rain
ENG
13:38
25-09-2021

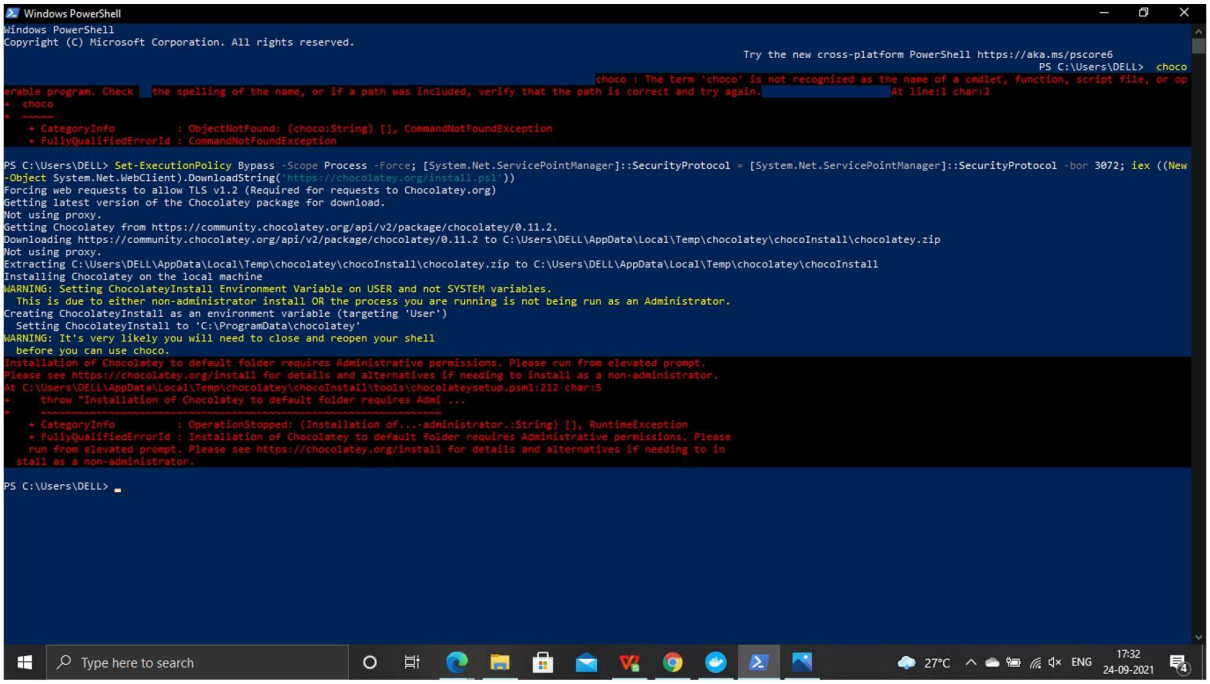

Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\windows\system32> helm create mychart
Creating mychart
PS C:\windows\system32> helm install --dry-run --debug ./mychart
install.go:173: [debug] Original chart version: ""
Error: must either provide a name or specify --generate-name
helm.go:88: [debug] must either provide a name or specify --generate-name
helm.sh/helm/v3/pkg/action.(*Install).NameAndChart
helm.sh/helm/v3/pkg/action/install.go:571
main.runInstall
helm.sh/helm/v3/cmd/helm/install.go:179
main.newInstallCmd.func2
helm.sh/helm/v3/cmd/helm/install.go:120
github.com/spf13/cobra.(*Command).execute
github.com/spf13/cobra@v1.1.3/command.go:852
github.com/spf13/cobra.(*Command).ExecuteC
github.com/spf13/cobra@v1.1.3/command.go:960
github.com/spf13/cobra.(*Command).Execute
github.com/spf13/cobra@v1.1.3/command.go:897
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit
runtime/asm_amd64.s:1371
PS C:\windows\system32> helm install --dry-run --debug ./mychart --set service.internalPort=8080
install.go:173: [debug] Original chart version: ""
Error: must either provide a name or specify --generate-name
helm.go:88: [debug] must either provide a name or specify --generate-name
helm.sh/helm/v3/pkg/action.(*Install).NameAndChart
helm.sh/helm/v3/pkg/action/install.go:571
main.runInstall
helm.sh/helm/v3/cmd/helm/install.go:179
main.newInstallCmd.func2
helm.sh/helm/v3/cmd/helm/install.go:120
github.com/spf13/cobra.(*Command).execute
github.com/spf13/cobra@v1.1.3/command.go:852
github.com/spf13/cobra.(*Command).ExecuteC
github.com/spf13/cobra@v1.1.3/command.go:960
github.com/spf13/cobra.(*Command).Execute
github.com/spf13/cobra@v1.1.3/command.go:897
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit
runtime/asm_amd64.s:1371
PS C:\windows\system32> helm install example ./mychart --set service.type=NodePort
NAME: example
LAST DEPLOYED: Sat Sep 25 13:29:25 2021
NAMESPACE: default
meet.google.com is sharing your screen.
Stop sharing
Hide
Type here to search
28°C Light rain
ENG
13:38
25-09-2021

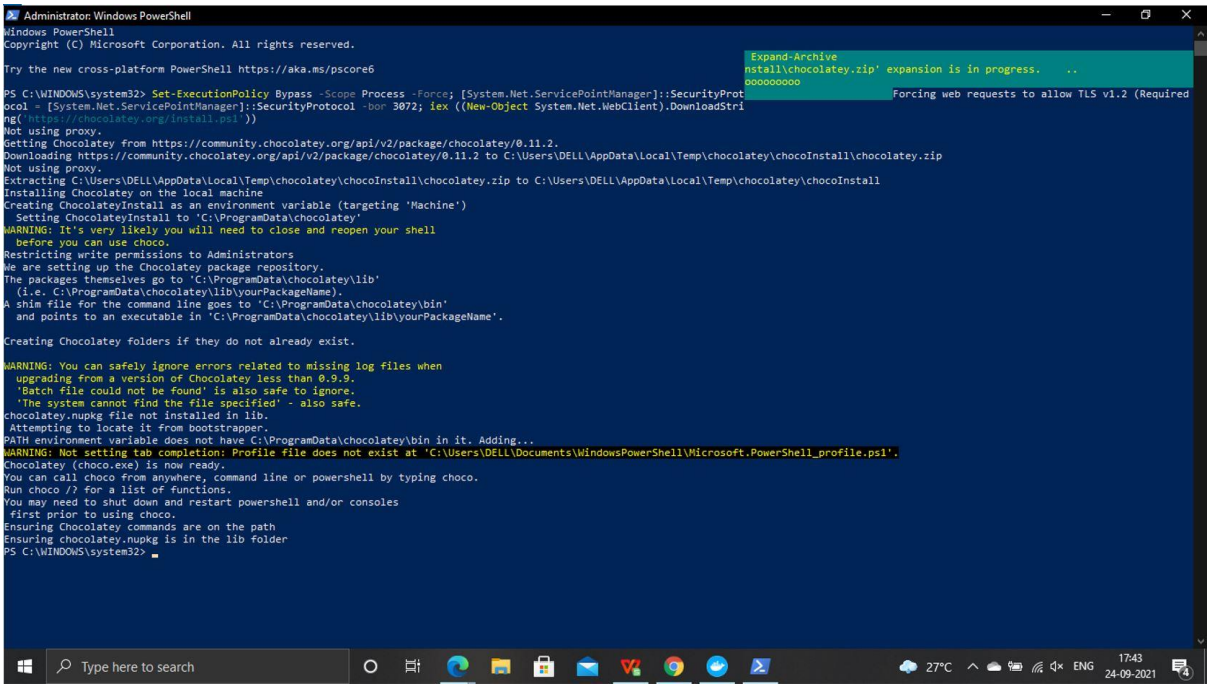

Administrator: Windows PowerShell
Global Flags:
--debug enable verbose output
--kube-apiserver string the address and the port for the Kubernetes API server
--kube-as-group stringArray group to impersonate for the operation, this flag can be repeated to specify multiple groups.
--kube-as-user string username to impersonate for the operation
--kube-ca-file string the certificate authority file for the Kubernetes API server connection
--kube-context string name of the kubeconfig context to use
--kube-token string bearer token used for authentication
--kubeconfig string path to the kubeconfig file
-n, --namespace string namespace scope for this request
--registry-config string path to the registry config file (default "C:\\Users\\HP\\AppData\\Roaming\\helm\\registry.json")
--repository-cache string path to the file containing cached repository indexes (default "C:\\Users\\HP\\AppData\\Local\\Temp\\helm\\repository")
--repository-config string path to the file containing repository names and URLs (default "C:\\Users\\HP\\AppData\\Roaming\\helm\\repositories.yaml")
Use "helm repo [command] --help" for more information about a command.
PS C:\windows\system32> helm update
Error: unknown command "update" for "helm"
Run 'helm --help' for usage.
PS C:\windows\system32> helm install example4 local/mychart --set service.type=NodePort
Error: failed to download "local/mychart" (hint: running `helm repo update` may help)
PS C:\windows\system32> helm repo update
Error: no repositories found. You must add one before updating
PS C:\windows\system32> helm add
Error: unknown command "add" for "helm"
Run 'helm --help' for usage.
PS C:\windows\system32> helm package ./mychart
Successfully packaged chart and saved it to: C:\windows\system32\mychart-0.1.0.tgz
PS C:\windows\system32> helm install example3 mychart-0.1.0.tgz --set service.type=NodePort
Error: cannot re-use a name that is still in use
PS C:\windows\system32> helm dep update ./mychart
PS C:\windows\system32> helm install example5 ./mychart --set service.type=NodePort
NAME: example5
LAST DEPLOYED: Sat Sep 25 13:45:03 2021
NAMESPACE: default
STATUS: deployed
REVISION: 1
NOTES:
1. Get the application URL by running these commands:
export NODE_PORT=$(kubectl get --namespace default -o jsonpath="{.spec.ports[0].nodePort}" services example5-mychart)
export NODE_IP=$(kubectl get nodes --namespace default -o jsonpath="{.items[0].status.addresses[0].address}")
echo http://$NODE_IP:$NODE_PORT
PS C:\windows\system32>
meet.google.com is sharing your screen.
Stop sharing
Hide
Type here to search
28°C Light rain
ENG
13:45
25-09-2021

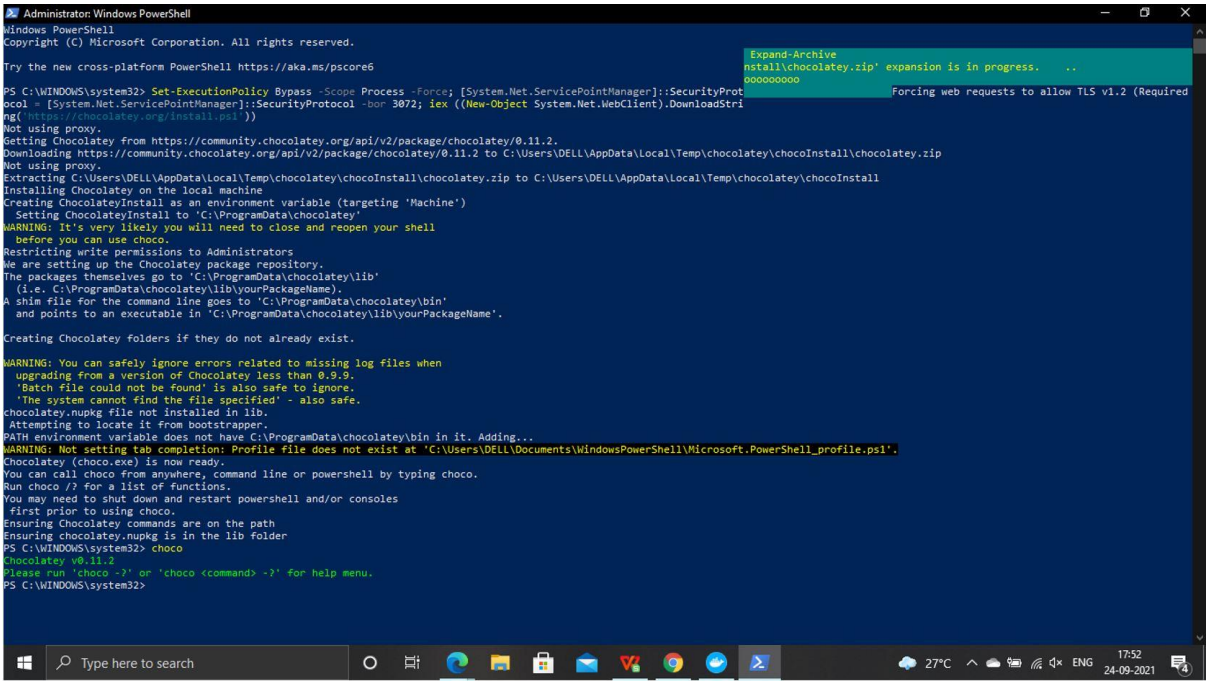

docker
Upgrade
jenniferyennam
Settings
General
Resources
Docker Engine
Experimental Features
Kubernetes
Docker Engine
v20.10.8
Configure the Docker daemon by typing a json Docker daemon configuration file.
This can prevent Docker from starting. Use at your own risk!
{
"registry-mirrors": [],
"insecure-registries": [],
"debug": false,
"experimental": false,
"features": {
"buildkit": true
},
"builder": {
"gc": {
"enabled": true,
"defaultKeepStorage": "20GB"
}
Cancel
Apply & Restart
Type here to search
27°C
ENG
17:30
24-09-2021

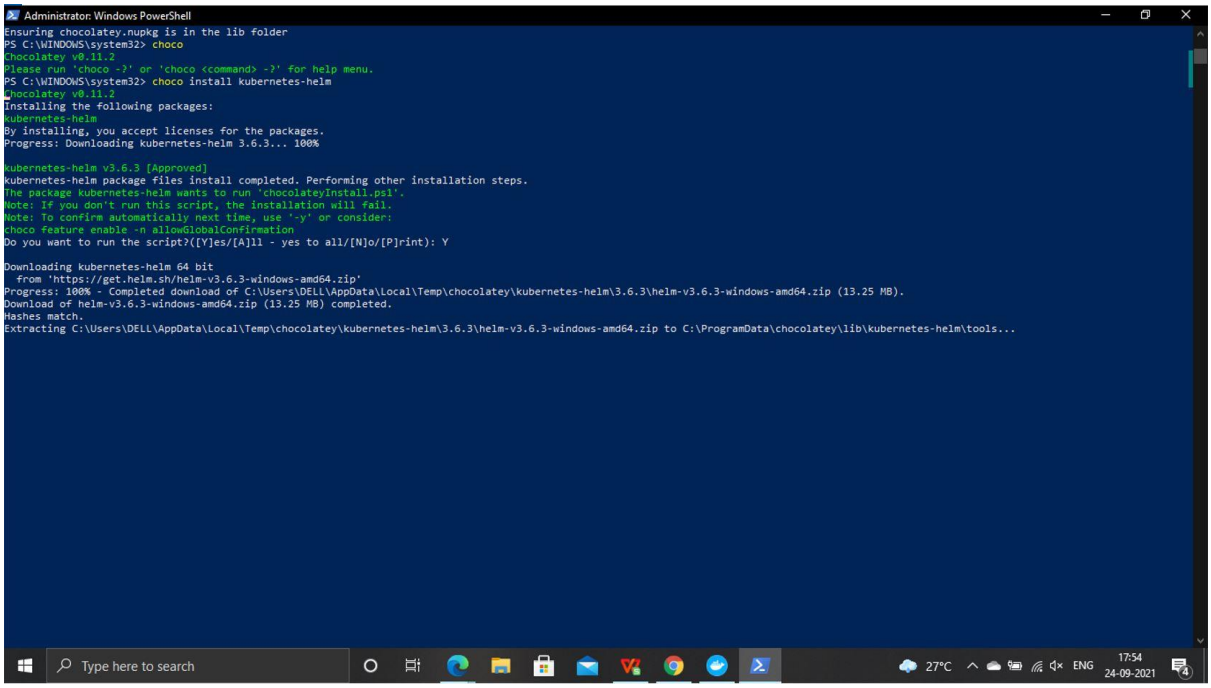

docker
Upgrade
jenniferyennam
Settings
General
Resources
Docker Engine
Experimental Features
Kubernetes
Kubernetes
v1.21.4
Enable Kubernetes
Start a Kubernetes single-node cluster when starting Docker Desktop.
Show system containers (advanced)
Show Kubernetes internal containers when using Docker commands.
Reset Kubernetes Cluster
All stacks and Kubernetes resources will be deleted.
Cancel
Apply & Restart
Type here to search
27°C
ENG
17:31
24-09-2021

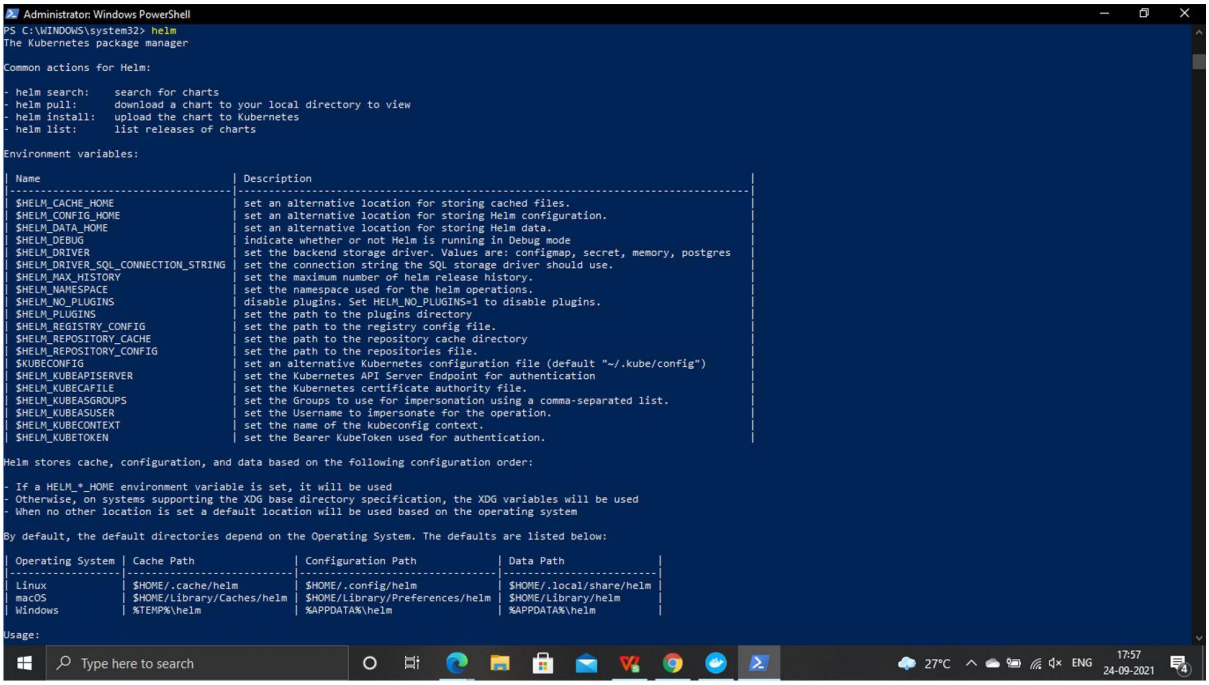

Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\DELL> choco -?
choco : The term 'choco' is not recognized as the name of a cmdlet, function, script file, or operable program. Check
the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ choco -?
+ ~~~~~
+ CategoryInfo : ObjectNotFound: (choco:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException
PS C:\Users\DELL> choco
choco : The term 'choco' is not recognized as the name of a cmdlet, function, script file, or operable program. Check
the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ choco
+ ~~~~~
+ CategoryInfo : ObjectNotFound: (choco:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException
PS C:\Users\DELL> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New
-Object System.Net.WebClient).DownloadString(https://chocolatey.org/install.ps1))
Forcing web requests to allow TLS v1.2 (Required for requests to Chocolatey.org)
Getting latest version of the Chocolatey package for download.
Not using proxy.
Getting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2 to C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip
Not using proxy.
Extracting C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip to C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall
Installing Chocolatey on the local machine
WARNING: Setting ChocolateyInstall Environment Variable on USER and not SYSTEM variables.
This is due to either non-administrator install OR the process you are running is not being run as an Administrator.
Creating ChocolateyInstall as an environment variable (targeting 'User')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
before you can use choco.
Installation of Chocolatey to default folder requires Administrative permissions. Please run from elevated prompt. Please see https://chocolatey.org/install for details and alternatives if
needing to install as a non-administrator.
At C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\tools\chocolateysetup.psm1:212 char:5
+ throw "Installation of Chocolatey to default folder requires Admi ...
+ ~~~~~~
+ CategoryInfo : OperationStopped: (Installation of...-administrator.:String) [], RuntimeException
+ FullyQualifiedErrorId : Installation of Chocolatey to default folder requires Administrative permissions. Please run from elevated prompt. Please see https://chocolatey.org/install for
details and alternatives if needing to install as a non-administrator.
PS C:\Users\DELL>
Type here to search
27°C
ENG
17:38
24-09-2021

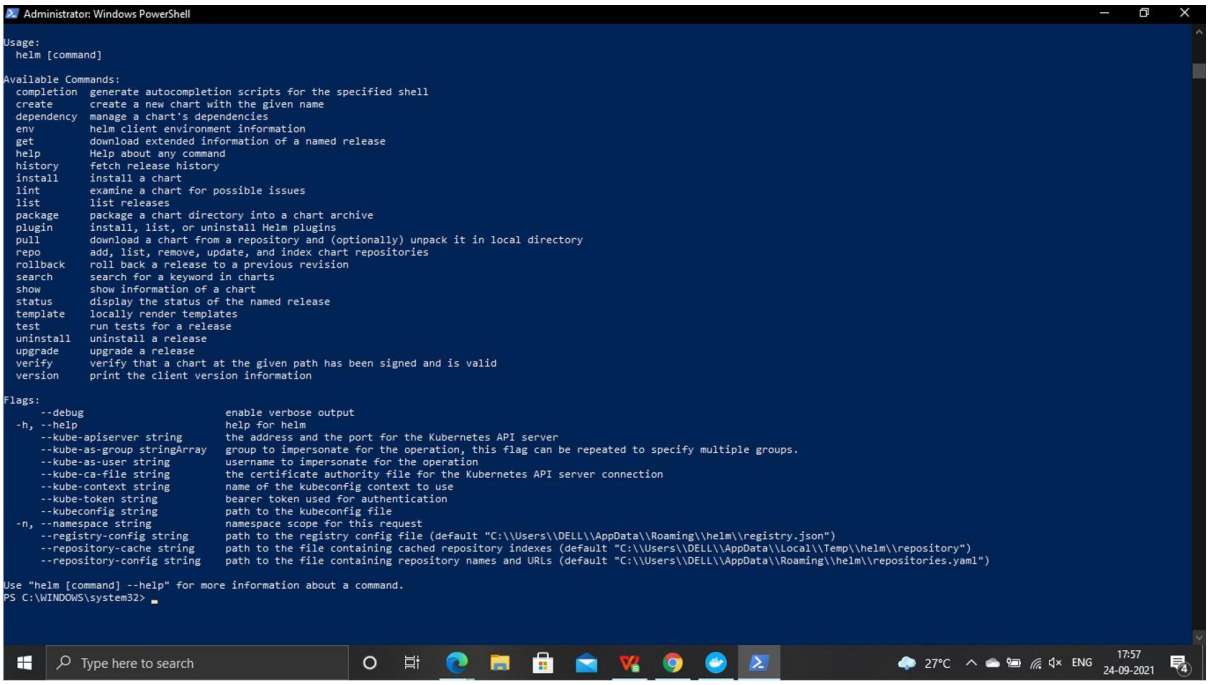

Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\DELL> choco
choco : The term 'choco' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:2
+ choco
+ ~~~~~
+ CategoryInfo : ObjectNotFound: (choco:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException
PS C:\Users\DELL> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))
Forcing web requests to allow TLS v1.2 (Required for requests to Chocolatey.org)
Getting latest version of the Chocolatey package for download.
Not using proxy.
Getting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2 to C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip
Not using proxy.
Extracting C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip to C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall
Installing Chocolatey on the local machine
WARNING: Setting ChocolateyInstall Environment Variable on USER and not SYSTEM variables.
This is due to either non-administrator install OR the process you are running is not being run as an Administrator.
Creating ChocolateyInstall as an environment variable (targeting 'User')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
before you can use choco.
Installation of Chocolatey to default folder requires Administrative permissions. Please run from elevated prompt.
Please see https://chocolatey.org/install for details and alternatives if needing to install as a non-administrator.
At C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\tools\chocolateysetup.psm1:212 char:5
+ throw "Installation of Chocolatey to default folder requires Admi ...
+ CategoryInfo : OperationStopped: (Installation of...-administrator.:String) [], RuntimeException
+ FullyQualifiedErrorId : Installation of Chocolatey to default folder requires Administrative permissions. Please run from elevated prompt. Please see https://chocolatey.org/install for details and alternatives if needing to install as a non-administrator.
PS C:\Users\DELL>
Type here to search
27°C
ENG
17:32
24-09-2021

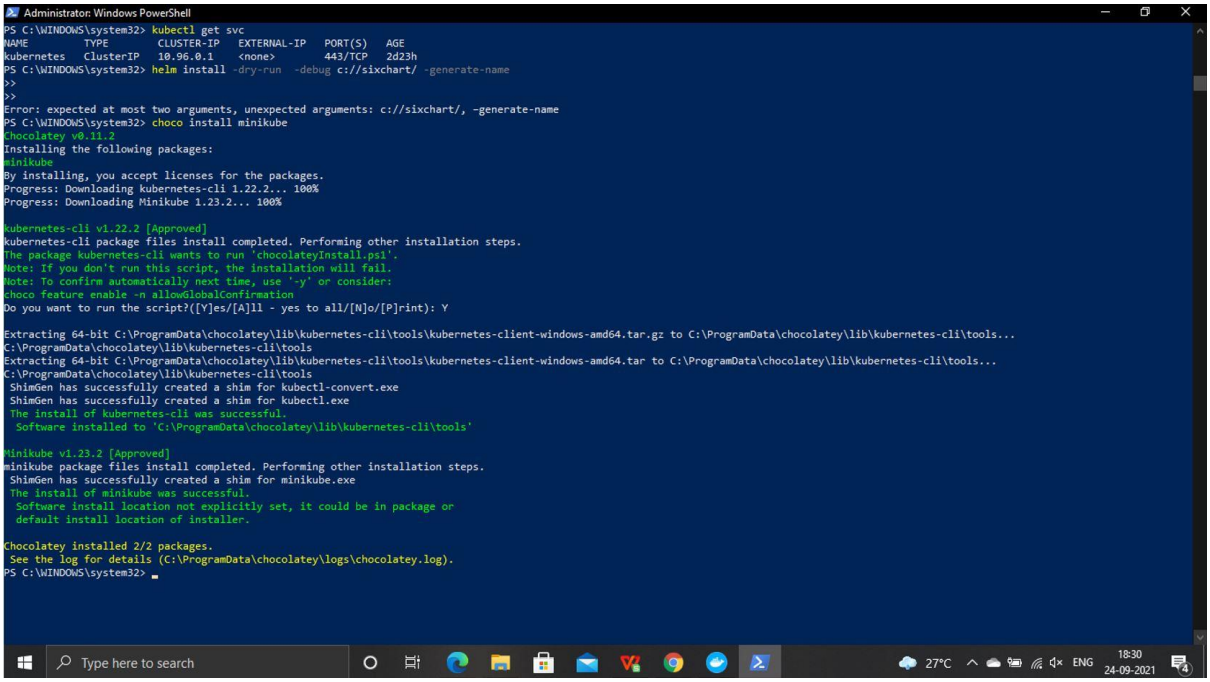

Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
Expand-Archive
nstall\chocolatey.zip' expansion is in progress. ..
oooooooo
PS C:\WINDOWS\system32> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))
Forcing web requests to allow TLS v1.2 (Required
Not using proxy.
Getting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2 to C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip
Not using proxy.
Extracting C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip to C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall
Installing Chocolatey on the local machine
Creating ChocolateyInstall as an environment variable (targeting 'Machine')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
before you can use choco.
Restricting write permissions to Administrators
We are setting up the Chocolatey package repository.
The packages themselves go to 'C:\ProgramData\chocolatey\lib'
(i.e. C:\ProgramData\chocolatey\lib\yourPackageName).
A shim file for the command line goes to 'C:\ProgramData\chocolatey\bin'
and points to an executable in 'C:\ProgramData\chocolatey\lib\yourPackageName'.
Creating Chocolatey folders if they do not already exist.
WARNING: You can safely ignore errors related to missing log files when
upgrading from a version of Chocolatey less than 0.9.9.
'Batch file could not be found' is also safe to ignore.
'The system cannot find the file specified' - also safe.
chocolatey.nupkg file not installed in lib.
Attempting to locate it from bootstrapper.
PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...
WARNING: Not setting tab completion: Profile file does not exist at 'C:\Users\DELL\Documents\WindowsPowerShell\Microsoft.PowerShell_profile.ps1'.
Chocolatey (choco.exe) is now ready.
You can call choco from anywhere, command line or powershell by typing choco.
Run choco /? for a list of functions.
You may need to shut down and restart powershell and/or consoles
first prior to using choco.
Ensuring Chocolatey commands are on the path
Ensuring chocolatey.nupkg is in the lib folder
PS C:\WINDOWS\system32>
Type here to search
27°C
ENG
17:43
24-09-2021

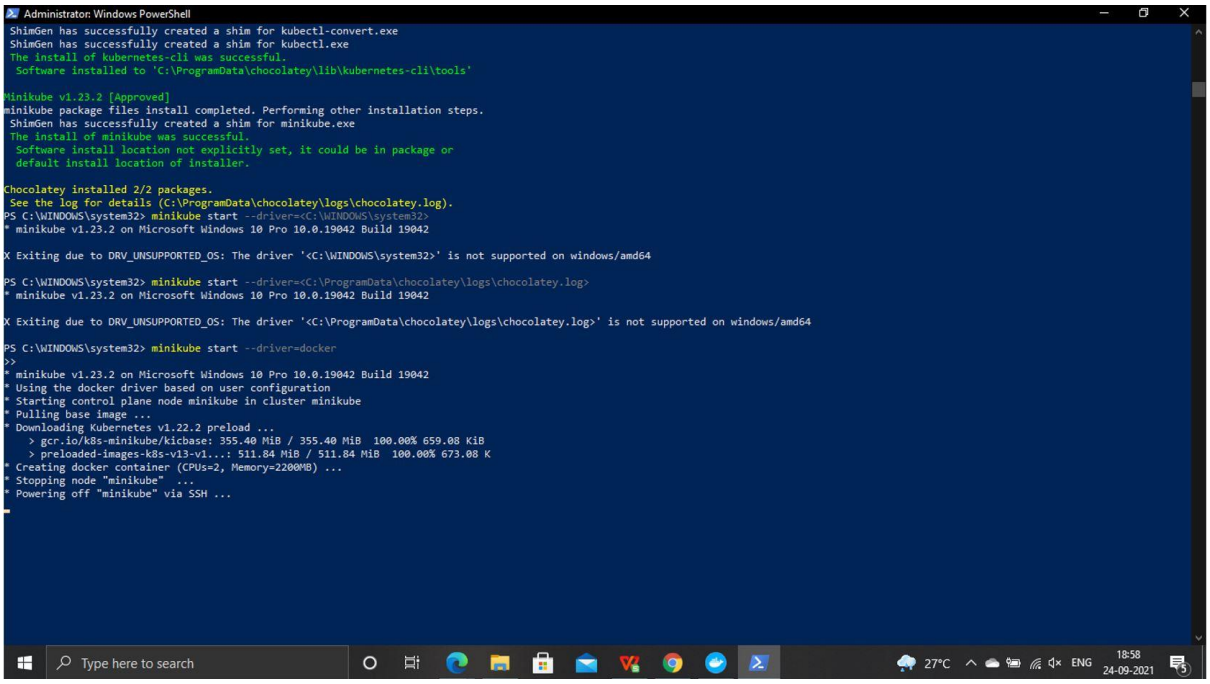

Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\WINDOWS\system32> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))
Not using proxy.
Getting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/0.11.2 to C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip
Not using proxy.
Extracting C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip to C:\Users\DELL\AppData\Local\Temp\chocolatey\chocoInstall
Installing Chocolatey on the local machine
Creating ChocolateyInstall as an environment variable (targeting 'Machine')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
before you can use choco.
Restricting write permissions to Administrators
We are setting up the Chocolatey package repository.
The packages themselves go to 'C:\ProgramData\chocolatey\lib'
(i.e. C:\ProgramData\chocolatey\lib\yourPackageName).
A shim file for the command line goes to 'C:\ProgramData\chocolatey\bin'
and points to an executable in 'C:\ProgramData\chocolatey\lib\yourPackageName'.
Creating Chocolatey folders if they do not already exist.
WARNING: You can safely ignore errors related to missing log files when
upgrading from a version of Chocolatey less than 0.9.9.
'Batch file could not be found' is also safe to ignore.
'The system cannot find the file specified' - also safe.
chocolatey.nupkg file not installed in lib.
Attempting to locate it from bootstrapper.
PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...
WARNING: Not setting tab completion: Profile file does not exist at 'C:\Users\DELL\Documents\WindowsPowerShell\Microsoft.PowerShell_profile.ps1'.
Chocolatey (choco.exe) is now ready.
You can call choco from anywhere, command line or powershell by typing choco.
Run choco /? for a list of functions.
You may need to shut down and restart powershell and/or consoles
first prior to using choco.
Ensuring Chocolatey commands are on the path
Ensuring chocolatey.nupkg is in the lib folder
PS C:\WINDOWS\system32> choco
Chocolatey v0.11.2
Please run 'choco -?' or 'choco <command> -?' for help menu.
PS C:\WINDOWS\system32>
Expand-Archive
nstall\chocolatey.zip' expansion is in progress. ..
oooooooo
Forcing web requests to allow TLS v1.2 (Required
Type here to search
27°C
ENG
17:52
24-09-2021

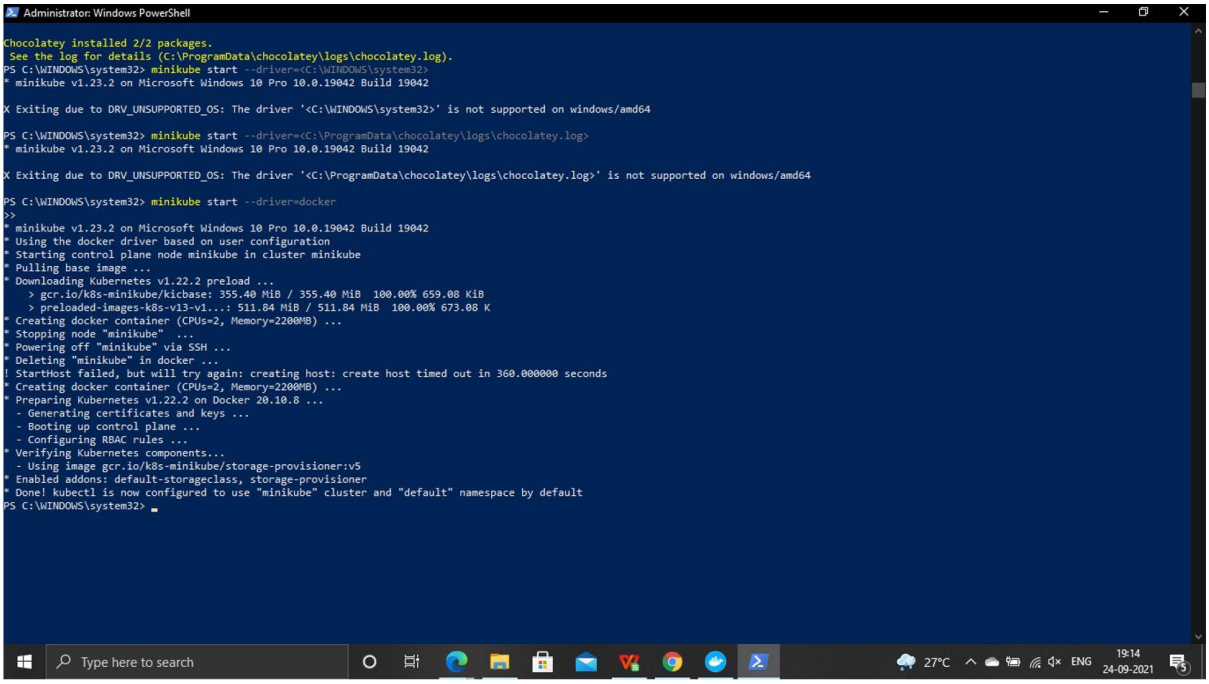

Administrator: Windows PowerShell
Ensuring chocolatey.nupkg is in the lib folder
PS C:\WINDOWS\system32> choco
Chocolatey v0.11.2
Please run 'choco -?' or 'choco <command> -?' for help menu.
PS C:\WINDOWS\system32> choco install kubernetes-helm
Chocolatey v0.11.2
Installing the following packages:
kubernetes-helm
By installing, you accept licenses for the packages.
Progress: Downloading kubernetes-helm 3.6.3... 100%
kubernetes-helm v3.6.3 [Approved]
kubernetes-helm package files install completed. Performing other installation steps.
The package kubernetes-helm wants to run 'chocolateyInstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): Y
Downloading kubernetes-helm 64 bit
from 'https://get.helm.sh/helm-v3.6.3-windows-amd64.zip'
Progress: 100% - Completed download of C:\Users\DELL\AppData\Local\Temp\chocolatey\kubernetes-helm\3.6.3\helm-v3.6.3-windows-amd64.zip (13.25 MB).
Download of helm-v3.6.3-windows-amd64.zip (13.25 MB) completed.
Hashes match.
Extracting C:\Users\DELL\AppData\Local\Temp\chocolatey\kubernetes-helm\3.6.3\helm-v3.6.3-windows-amd64.zip to C:\ProgramData\chocolatey\lib\kubernetes-helm\tools...
Type here to search
27°C
ENG
17:54
24-09-2021

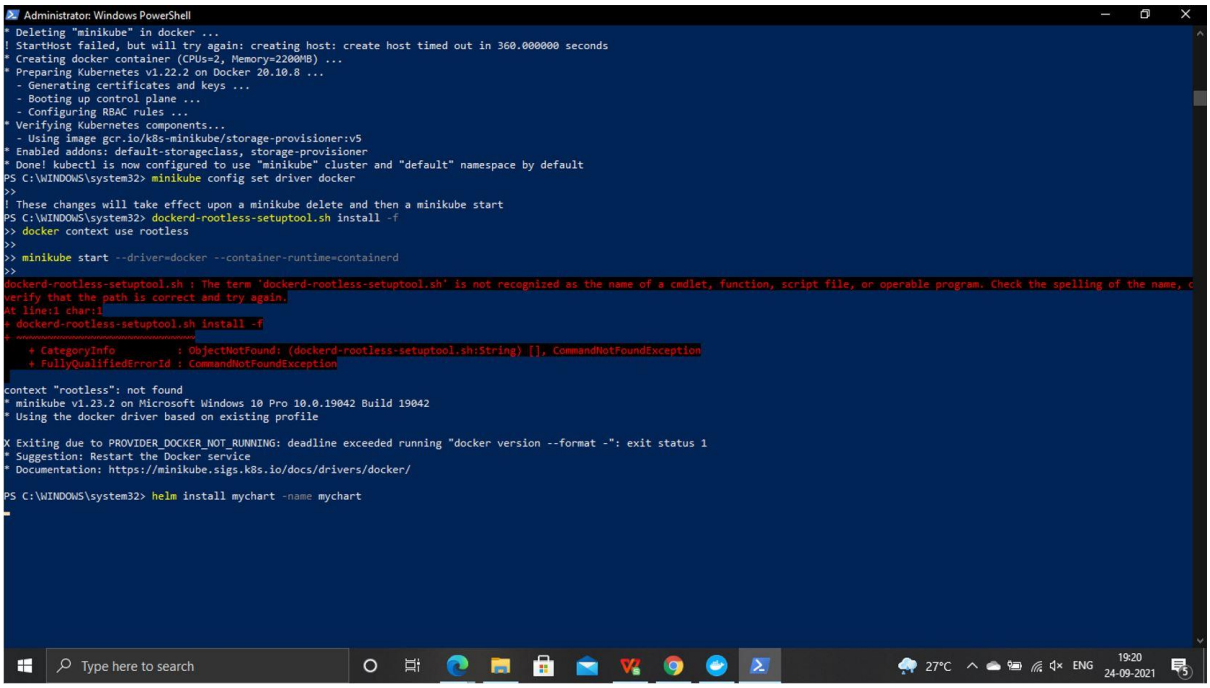

Administrator: Windows PowerShell
PS C:\WINDOWS\system32> helm
The Kubernetes package manager
Common actions for Helm:
- helm search: search for charts
- helm pull: download a chart to your local directory to view
- helm install: upload the chart to Kubernetes
- helm list: list releases of charts
Environment variables:
Name	Description
$HELM_CACHE_HOME	set an alternative location for storing cached files.
$HELM_CONFIG_HOME	set an alternative location for storing Helm configuration.
$HELM_DATA_HOME	set an alternative location for storing Helm data.
$HELM_DEBUG	indicate whether or not Helm is running in Debug mode
$HELM_DRIVER	set the backend storage driver. Values are: configmap, secret, memory, postgres
$HELM_DRIVER_SQL_CONNECTION_STRING	set the connection string the SQL storage driver should use.
$HELM_MAX_HISTORY	set the maximum number of helm release history.
$HELM_NAMESPACE	set the namespace used for the helm operations.
$HELM_NO_PLUGINS	disable plugins. Set HELM_NO_PLUGINS=1 to disable plugins.
$HELM_PLUGINS	set the path to the plugins directory
$HELM_REGISTRY_CONFIG	set the path to the registry config file.
$HELM_REPOSITORY_CACHE	set the path to the repository cache directory
$HELM_REPOSITORY_CONFIG	set the path to the repositories file.
$KUBECONFIG	set an alternative Kubernetes configuration file (default "~/.kube/config")
$HELM_KUBEAPISERVER	set the Kubernetes API Server Endpoint for authentication
$HELM_KUBECAFILE	set the Kubernetes certificate authority file.
$HELM_KUBEASGROUPS	set the Groups to use for impersonation using a comma-separated list.
$HELM_KUBEASUSER	set the Username to impersonate for the operation.
$HELM_KUBECONTEXT	set the name of the kubeconfig context.
$HELM_KUBETOKEN	set the Bearer KubeToken used for authentication.
Helm stores cache, configuration, and data based on the following configuration order:
- If a HELM_*_HOME environment variable is set, it will be used
- Otherwise, on systems supporting the XDG base directory specification, the XDG variables will be used
- When no other location is set a default location will be used based on the operating system
By default, the default directories depend on the Operating System. The defaults are listed below:
Operating System	Cache Path	Configuration Path	Data Path
Linux	$HOME/.cache/helm	$HOME/.config/helm	$HOME/.local/share/helm
macOS	$HOME/Library/Caches/helm	$HOME/Library/Preferences/helm	$HOME/Library/helm
Windows	%TEMP%\helm	%APPDATA%\helm	%APPDATA%\helm
Usage:
Type here to search
27°C
ENG
17:57
24-09-2021

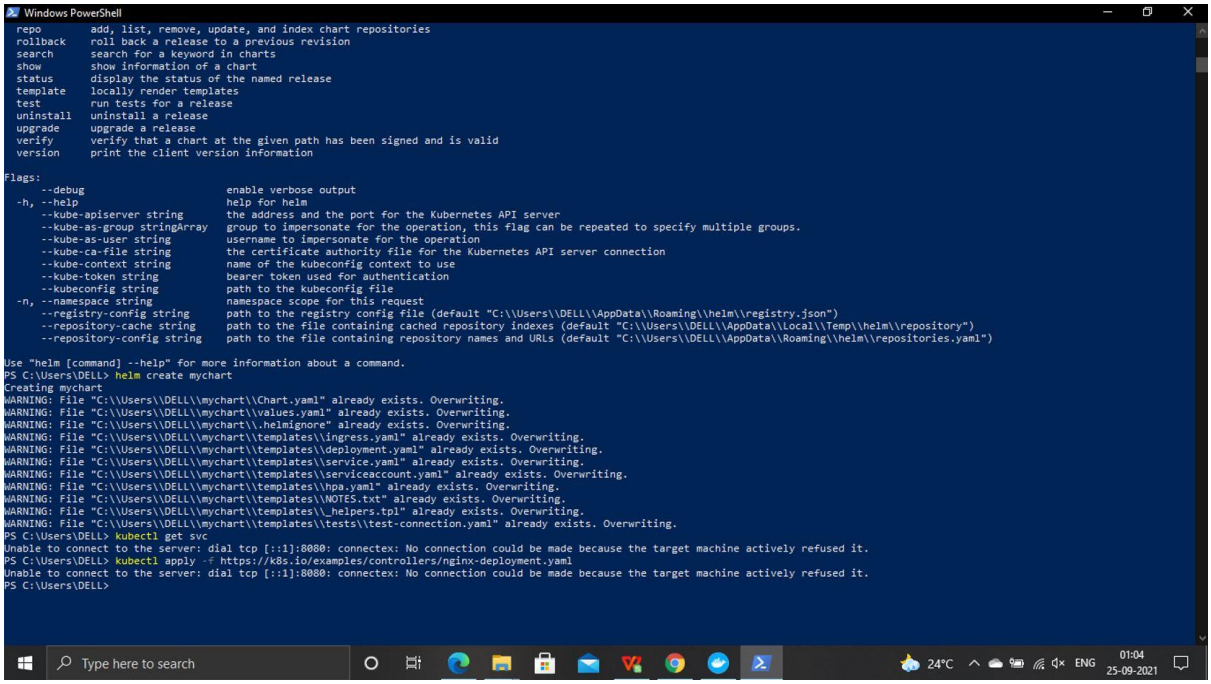

Administrator: Windows PowerShell
Usage:
helm [command]
Available Commands:
completion generate autocompletion scripts for the specified shell
create create a new chart with the given name
dependency manage a chart's dependencies
env helm client environment information
get download extended information of a named release
help Help about any command
history fetch release history
install install a chart
lint examine a chart for possible issues
list list releases
package package a chart directory into a chart archive
plugin install, list, or uninstall Helm plugins
pull download a chart from a repository and (optionally) unpack it in local directory
repo add, list, remove, update, and index chart repositories
rollback roll back a release to a previous revision
search search for a keyword in charts
show show information of a chart
status display the status of the named release
template locally render templates
test run tests for a release
uninstall uninstall a release
upgrade upgrade a release
verify verify that a chart at the given path has been signed and is valid
version print the client version information
Flags:
--debug enable verbose output
-h, --help help for helm
--kube-apiserver string the address and the port for the Kubernetes API server
--kube-as-group stringArray group to impersonate for the operation, this flag can be repeated to specify multiple groups.
--kube-as-user string username to impersonate for the operation
--kube-ca-file string the certificate authority file for the Kubernetes API server connection
--kube-context string name of the kubeconfig context to use
--kube-token string bearer token used for authentication
--kubeconfig string path to the kubeconfig file
-n, --namespace string namespace scope for this request
--registry-config string path to the registry config file (default "C:\\Users\\DELL\\AppData\\Roaming\\helm\\registry.json")
--repository-cache string path to the file containing cached repository indexes (default "C:\\Users\\DELL\\AppData\\Local\\Temp\\helm\\repository")
--repository-config string path to the file containing repository names and URLs (default "C:\\Users\\DELL\\AppData\\Roaming\\helm\\repositories.yaml")
Use "helm [command] --help" for more information about a command.
PS C:\WINDOWS\system32>
Type here to search
27°C
ENG
17:57
24-09-2021

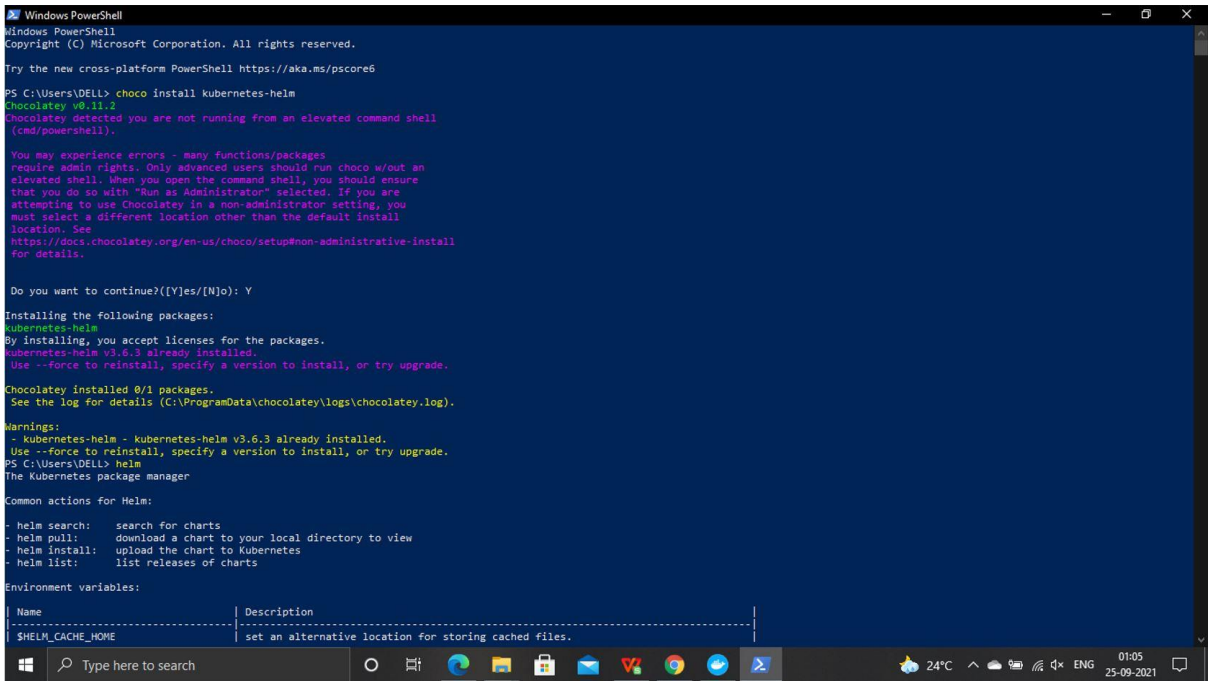

Administrator: Windows PowerShell
PS C:\WINDOWS\system32> kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 2d23h
PS C:\WINDOWS\system32> helm install -dry-run -debug c://sixchart/ -generate-name
>>
>>
Error: expected at most two arguments, unexpected arguments: c://sixchart/, -generate-name
PS C:\WINDOWS\system32> choco install minikube
Chocolatey v0.11.2
Installing the following packages:
minikube
By installing, you accept licenses for the packages.
Progress: Downloading kubernetes-cli 1.22.2... 100%
Progress: Downloading Minikube 1.23.2... 100%
kubernetes-cli v1.22.2 [Approved]
kubernetes-cli package files install completed. Performing other installation steps.
The package kubernetes-cli wants to run 'chocolateyInstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): Y
Extracting 64-bit C:\ProgramData\chocolatey\lib\kubernetes-cli\tools\kubernetes-client-windows-amd64.tar.gz to C:\ProgramData\chocolatey\lib\kubernetes-cli\tools...
C:\ProgramData\chocolatey\lib\kubernetes-cli\tools
Extracting 64-bit C:\ProgramData\chocolatey\lib\kubernetes-cli\tools\kubernetes-client-windows-amd64.tar to C:\ProgramData\chocolatey\lib\kubernetes-cli\tools...
C:\ProgramData\chocolatey\lib\kubernetes-cli\tools
ShimGen has successfully created a shim for kubectl-convert.exe
ShimGen has successfully created a shim for kubectl.exe
The install of kubernetes-cli was successful.
Software installed to 'C:\ProgramData\chocolatey\lib\kubernetes-cli\tools'
Minikube v1.23.2 [Approved]
minikube package files install completed. Performing other installation steps.
ShimGen has successfully created a shim for minikube.exe
The install of minikube was successful.
Software install location not explicitly set, it could be in package or
default install location of installer.
Chocolatey installed 2/2 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
PS C:\WINDOWS\system32>
Type here to search
27°C
ENG
18:30
24-09-2021

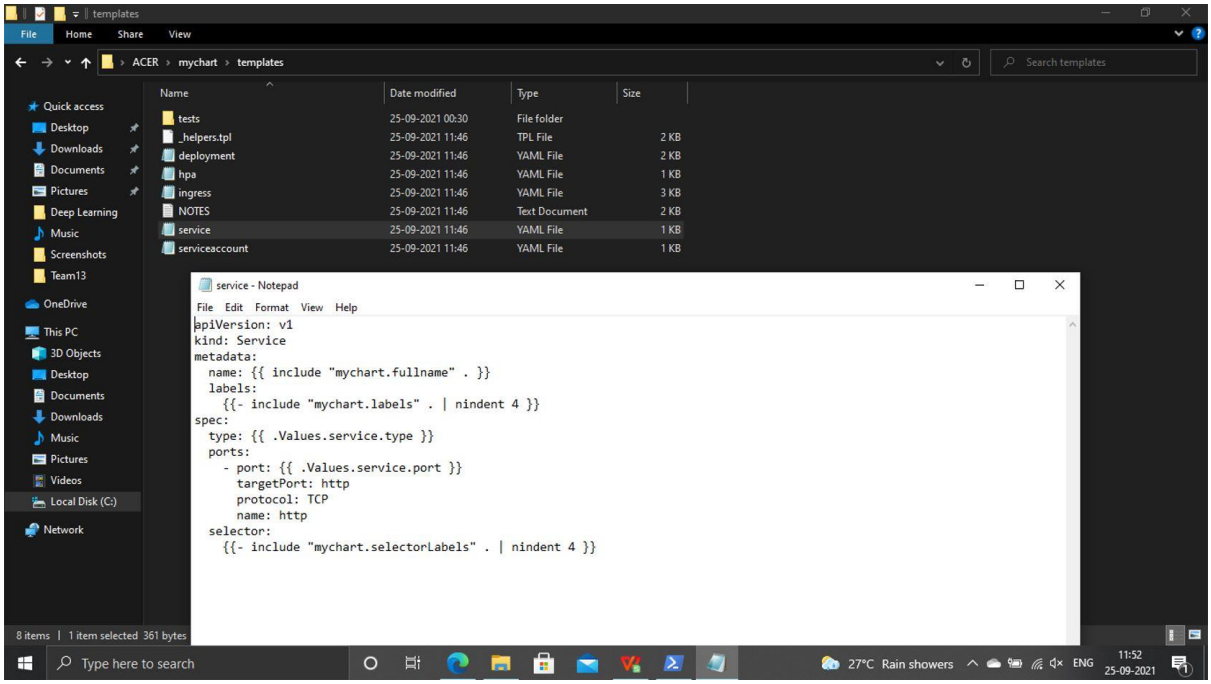

Administrator: Windows PowerShell
ShimGen has successfully created a shim for kubectl-convert.exe
ShimGen has successfully created a shim for kubectl.exe
The install of kubernetes-cli was successful.
Software installed to 'C:\ProgramData\chocolatey\lib\kubernetes-cli\tools'
Minikube v1.23.2 [Approved]
minikube package files install completed. Performing other installation steps.
ShimGen has successfully created a shim for minikube.exe
The install of minikube was successful.
Software install location not explicitly set, it could be in package or
default install location of installer.
Chocolatey installed 2/2 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
PS C:\WINDOWS\system32> minikube start --driver=<C:\WINDOWS\system32>
* minikube v1.23.2 on Microsoft Windows 10 Pro 10.0.19042 Build 19042
X Exiting due to DRV_UNSUPPORTED_OS: The driver '<C:\WINDOWS\system32>' is not supported on windows/amd64
PS C:\WINDOWS\system32> minikube start --driver=<C:\ProgramData\chocolatey\logs\chocolatey.log>
* minikube v1.23.2 on Microsoft Windows 10 Pro 10.0.19042 Build 19042
X Exiting due to DRV_UNSUPPORTED_OS: The driver '<C:\ProgramData\chocolatey\logs\chocolatey.log>' is not supported on windows/amd64
PS C:\WINDOWS\system32> minikube start --driver=docker
>>
* minikube v1.23.2 on Microsoft Windows 10 Pro 10.0.19042 Build 19042
* Using the docker driver based on user configuration
* Starting control plane node minikube in cluster minikube
* Pulling base image ...
* Downloading Kubernetes v1.22.2 preload ...
> gcr.io/k8s-minikube/kicbase: 355.40 MiB / 355.40 MiB 100.00% 659.08 KiB
> preloaded-images-k8s-v13-v1...: 511.84 MiB / 511.84 MiB 100.00% 673.08 K
* Creating docker container (CPUs=2, Memory=2200MB) ...
* Stopping node "minikube" ...
* Powering off "minikube" via SSH ...
Type here to search
27°C
ENG
18:58
24-09-2021

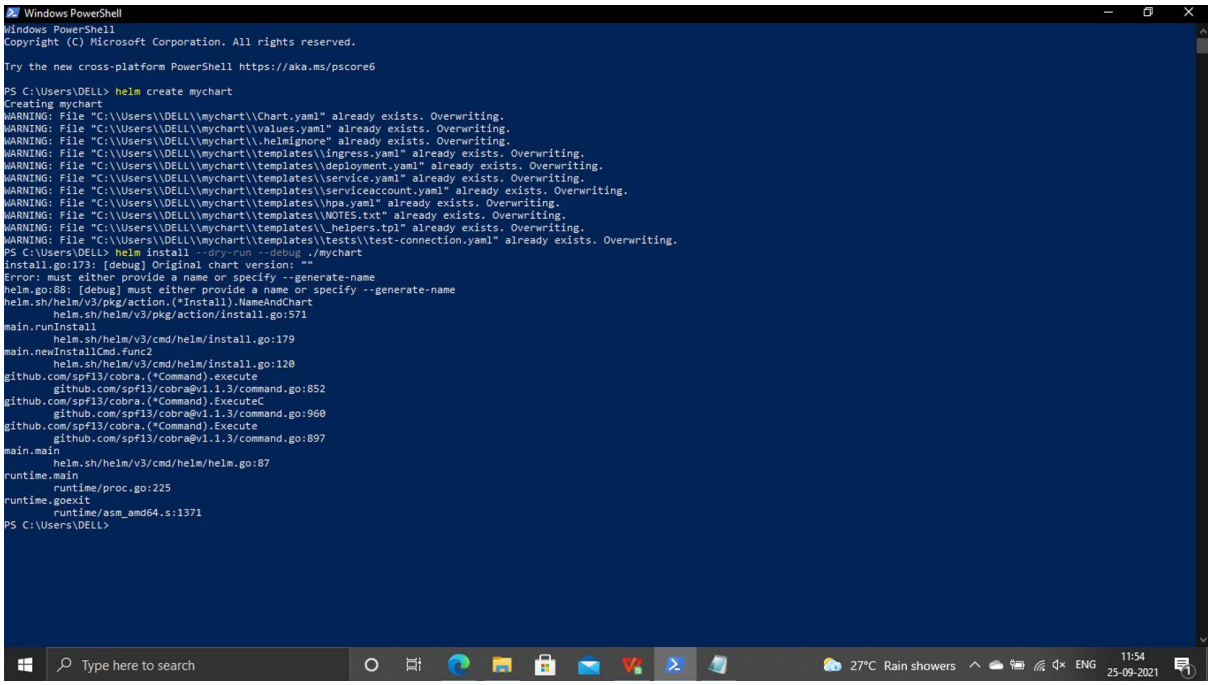

Administrator: Windows PowerShell
Chocolatey installed 2/2 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
PS C:\WINDOWS\system32> minikube start --driver=<C:\WINDOWS\system32>
* minikube v1.23.2 on Microsoft Windows 10 Pro 10.0.19042 Build 19042
X Exiting due to DRV_UNSUPPORTED_OS: The driver '<C:\WINDOWS\system32>' is not supported on windows/amd64
PS C:\WINDOWS\system32> minikube start --driver=<C:\ProgramData\chocolatey\logs\chocolatey.log>
* minikube v1.23.2 on Microsoft Windows 10 Pro 10.0.19042 Build 19042
X Exiting due to DRV_UNSUPPORTED_OS: The driver '<C:\ProgramData\chocolatey\logs\chocolatey.log>' is not supported on windows/amd64
PS C:\WINDOWS\system32> minikube start --driver=docker
>>
* minikube v1.23.2 on Microsoft Windows 10 Pro 10.0.19042 Build 19042
* Using the docker driver based on user configuration
* Starting control plane node minikube in cluster minikube
* Pulling base image ...
* Downloading Kubernetes v1.22.2 preload ...
> gcr.io/k8s-minikube/kicbase: 355.40 MiB / 355.40 MiB 100.00% 659.08 KiB
> preloaded-images-k8s-v13-v1...: 511.84 MiB / 511.84 MiB 100.00% 673.08 K
* Creating docker container (CPUs=2, Memory=2200MB) ...
* Stopping node "minikube" ...
* Powering off "minikube" via SSH ...
* Deleting "minikube" in docker ...
! StartHost failed, but will try again: creating host: create host timed out in 360.000000 seconds
* Creating docker container (CPUs=2, Memory=2200MB) ...
* Preparing Kubernetes v1.22.2 on Docker 20.10.8 ...
- Generating certificates and keys ...
- Booting up control plane ...
- Configuring RBAC rules ...
* Verifying Kubernetes components...
- Using image gcr.io/k8s-minikube/storage-provisioner:v5
* Enabled addons: default-storageclass, storage-provisioner
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
PS C:\WINDOWS\system32>
Type here to search
27°C
ENG
19:14
24-09-2021

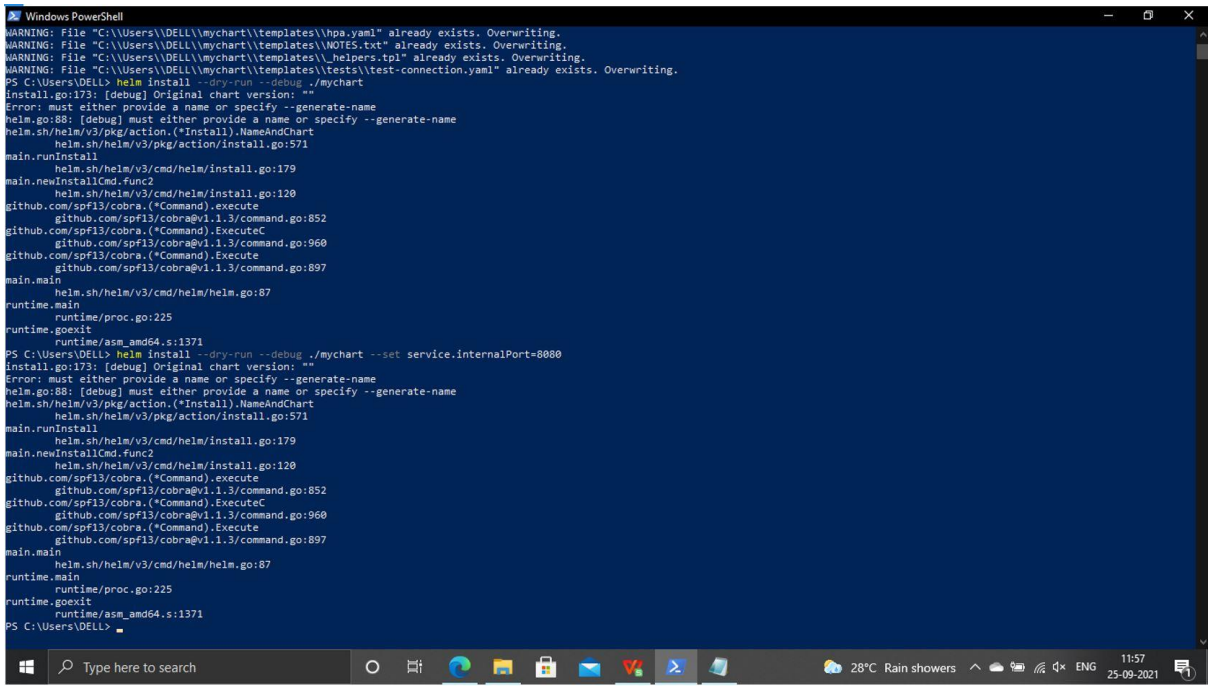

Administrator: Windows PowerShell
* Deleting "minikube" in docker ...
! StartHost failed, but will try again: creating host: create host timed out in 360.000000 seconds
* Creating docker container (CPUs=2, Memory=2200MB) ...
* Preparing Kubernetes v1.22.2 on Docker 20.10.8 ...
- Generating certificates and keys ...
- Booting up control plane ...
- Configuring RBAC rules ...
* Verifying Kubernetes components...
- Using image gcr.io/k8s-minikube/storage-provisioner:v5
* Enabled addons: default-storageclass, storage-provisioner
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
PS C:\WINDOWS\system32> minikube config set driver docker
>>
! These changes will take effect upon a minikube delete and then a minikube start
PS C:\WINDOWS\system32> dockerd-rootless-setuptool.sh install -f
>> docker context use rootless
>>
>> minikube start --driver=docker --container-runtime=containerd
>>
dockerd-rootless-setuptool.sh : The term 'dockerd-rootless-setuptool.sh' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, c
verify that the path is correct and try again.
At line:1 char:1
+ dockerd-rootless-setuptool.sh install -f
+ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
+ CategoryInfo : ObjectNotFound: (dockerd-rootless-setuptool.sh:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException
context "rootless": not found
* minikube v1.23.2 on Microsoft Windows 10 Pro 10.0.19042 Build 19042
* Using the docker driver based on existing profile
X Exiting due to PROVIDER_DOCKER_NOT_RUNNING: deadline exceeded running "docker version --format -": exit status 1
* Suggestion: Restart the Docker service
* Documentation: https://minikube.sigs.k8s.io/docs/drivers/docker/
PS C:\WINDOWS\system32> helm install mychart -name mychart
Type here to search
27°C
ENG
19:20
24-09-2021

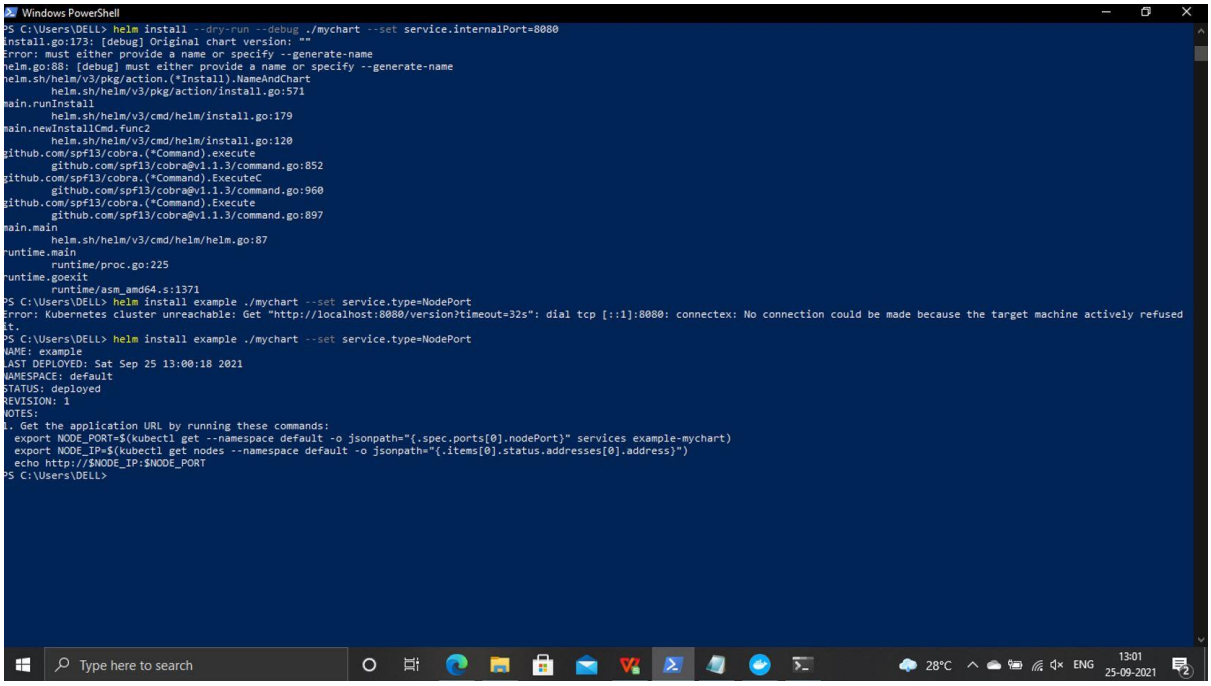

Windows PowerShell
repo add, list, remove, update, and index chart repositories
rollback roll back a release to a previous revision
search search for a keyword in charts
show show information of a chart
status display the status of the named release
template locally render templates
test run tests for a release
uninstall uninstall a release
upgrade upgrade a release
verify verify that a chart at the given path has been signed and is valid
version print the client version information
Flags:
--debug enable verbose output
-h, --help help for helm
--kube-apiserver string the address and the port for the Kubernetes API server
--kube-as-group stringArray group to impersonate for the operation, this flag can be repeated to specify multiple groups.
--kube-as-user string username to impersonate for the operation
--kube-ca-file string the certificate authority file for the Kubernetes API server connection
--kube-context string name of the kubeconfig context to use
--kube-token string bearer token used for authentication
--kubeconfig string path to the kubeconfig file
-n, --namespace string namespace scope for this request
--registry-config string path to the registry config file (default "C:\\Users\\DELL\\AppData\\Roaming\\helm\\registry.json")
--repository-cache string path to the file containing cached repository indexes (default "C:\\Users\\DELL\\AppData\\Local\\Temp\\helm\\repository")
--repository-config string path to the file containing repository names and URLs (default "C:\\Users\\DELL\\AppData\\Roaming\\helm\\repositories.yaml")
Use "helm [command] --help" for more information about a command.
PS C:\Users\DELL> helm create mychart
Creating mychart
WARNING: File "C:\\Users\\DELL\\mychart\\Chart.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\values.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\.helmignore" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\ingress.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\deployment.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\service.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\serviceaccount.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\hpa.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\NOTES.txt" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates_helpers.tpl" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\tests\\test-connection.yaml" already exists. Overwriting.
PS C:\Users\DELL> kubectl get svc
Unable to connect to the server: dial tcp [::1]:8080: connectex: No connection could be made because the target machine actively refused it.
PS C:\Users\DELL> kubectl apply -f https://k8s.io/examples/controllers/nginx-deployment.yaml
Unable to connect to the server: dial tcp [::1]:8080: connectex: No connection could be made because the target machine actively refused it.
PS C:\Users\DELL>
Type here to search
24°C
ENG
01:04
25-09-2021


Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\DELL> choco install kubernetes-helm
Chocolatey v0.11.2
Chocolatey detected you are not running from an elevated command shell
(cmd/powershell).
You may experience errors - many functions/packages
require admin rights. Only advanced users should run choco w/out an
elevated shell. When you open the command shell, you should ensure
that you do so with "Run as Administrator" selected. If you are
attempting to use Chocolatey in a non-administrator setting, you
must select a different location other than the default install
location. See
https://docs.chocolatey.org/en-us/choco/setup#non-administrative-install
for details.
Do you want to continue?([Y]es/[N]o): Y
Installing the following packages:
kubernetes-helm
By installing, you accept licenses for the packages.
kubernetes-helm v3.6.3 already installed.
Use --force to reinstall, specify a version to install, or try upgrade.
Chocolatey installed 0/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
Warnings:
- kubernetes-helm - kubernetes-helm v3.6.3 already installed.
Use --force to reinstall, specify a version to install, or try upgrade.
PS C:\Users\DELL> helm
The Kubernetes package manager
Common actions for Helm:
- helm search: search for charts
- helm pull: download a chart to your local directory to view
- helm install: upload the chart to Kubernetes
- helm list: list releases of charts
Environment variables:
| Name | Description |
| $HELM_CACHE_HOME | set an alternative location for storing cached files. |
Type here to search
24°C
ENG
01:05
25-09-2021


templates
File Home Share View
ACER › mychart › templates
Search templates
Quick access
Desktop
Downloads
Documents
Pictures
Deep Learning
Music
Screenshots
Team13
OneDrive
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Network
Name
Date modified
Type
Size
tests 25-09-2021 00:30 File folder
_helpers.tpl 25-09-2021 11:46 TPL File 2 KB
deployment 25-09-2021 11:46 YAML File 2 KB
hpa 25-09-2021 11:46 YAML File 1 KB
ingress 25-09-2021 11:46 YAML File 3 KB
NOTES 25-09-2021 11:46 Text Document 2 KB
service 25-09-2021 11:46 YAML File 1 KB
serviceaccount 25-09-2021 11:46 YAML File 1 KB
service - Notepad
File Edit Format View Help
apiVersion: v1
kind: Service
metadata:
name: {{ include "mychart.fullname" . }}
labels:
{{- include "mychart.labels" . | nindent 4 }}
spec:
type: {{ .Values.service.type }}
ports:
- port: {{ .Values.service.port }}
targetPort: http
protocol: TCP
name: http
selector:
{{- include "mychart.selectorLabels" . | nindent 4 }}
8 items | 1 item selected 361 bytes
Type here to search
27°C Rain showers
ENG
11:52
25-09-2021


Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\DELL> helm create mychart
Creating mychart
WARNING: File "C:\\Users\\DELL\\mychart\\Chart.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\values.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\.helmignore" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\ingress.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\deployment.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\service.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\serviceaccount.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\hpa.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\NOTES.txt" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates_helpers.tpl" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\tests\\test-connection.yaml" already exists. Overwriting.
PS C:\Users\DELL> helm install --dry-run --debug ./mychart
install.go:173: [debug] Original chart version: ""
Error: must either provide a name or specify --generate-name
helm.go:88: [debug] must either provide a name or specify --generate-name
helm.sh/helm/v3/pkg/action.(*Install).NameAndChart
helm.sh/helm/v3/pkg/action/install.go:571
main.runInstall
helm.sh/helm/v3/cmd/helm/install.go:179
main.newInstallCmd.func2
helm.sh/helm/v3/cmd/helm/install.go:120
github.com/spf13/cobra.(*Command).execute
github.com/spf13/cobra@v1.1.3/command.go:852
github.com/spf13/cobra.(*Command).ExecuteC
github.com/spf13/cobra@v1.1.3/command.go:960
github.com/spf13/cobra.(*Command).Execute
github.com/spf13/cobra@v1.1.3/command.go:897
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit
runtime/asm_amd64.s:1371
PS C:\Users\DELL>
Type here to search
27°C Rain showers
ENG
11:54
25-09-2021


Windows PowerShell
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\hpa.yaml" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\NOTES.txt" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates_helpers.tpl" already exists. Overwriting.
WARNING: File "C:\\Users\\DELL\\mychart\\templates\\tests\\test-connection.yaml" already exists. Overwriting.
PS C:\Users\DELL> helm install --dry-run --debug ./mychart
install.go:173: [debug] Original chart version: ""
Error: must either provide a name or specify --generate-name
helm.go:88: [debug] must either provide a name or specify --generate-name
helm.sh/helm/v3/pkg/action.(*Install).NameAndChart
helm.sh/helm/v3/pkg/action/install.go:571
main.runInstall
helm.sh/helm/v3/cmd/helm/install.go:179
main.newInstallCmd.func2
helm.sh/helm/v3/cmd/helm/install.go:120
github.com/spf13/cobra.(*Command).execute
github.com/spf13/cobra@v1.1.3/command.go:852
github.com/spf13/cobra.(*Command).ExecuteC
github.com/spf13/cobra@v1.1.3/command.go:960
github.com/spf13/cobra.(*Command).Execute
github.com/spf13/cobra@v1.1.3/command.go:897
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit
runtime/asm_amd64.s:1371
PS C:\Users\DELL> helm install --dry-run --debug ./mychart --set service.internalPort=8080
install.go:173: [debug] Original chart version: ""
Error: must either provide a name or specify --generate-name
helm.go:88: [debug] must either provide a name or specify --generate-name
helm.sh/helm/v3/pkg/action.(*Install).NameAndChart
helm.sh/helm/v3/pkg/action/install.go:571
main.runInstall
helm.sh/helm/v3/cmd/helm/install.go:179
main.newInstallCmd.func2
helm.sh/helm/v3/cmd/helm/install.go:120
github.com/spf13/cobra.(*Command).execute
github.com/spf13/cobra@v1.1.3/command.go:852
github.com/spf13/cobra.(*Command).ExecuteC
github.com/spf13/cobra@v1.1.3/command.go:960
github.com/spf13/cobra.(*Command).Execute
github.com/spf13/cobra@v1.1.3/command.go:897
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit
runtime/asm_amd64.s:1371
PS C:\Users\DELL>
Type here to search
28°C Rain showers
ENG
11:57
25-09-2021


Windows PowerShell
PS C:\Users\DELL> helm install --dry-run --debug ./mychart --set service.internalPort=8080
install.go:173: [debug] Original chart version: ""
Error: must either provide a name or specify --generate-name
helm.go:88: [debug] must either provide a name or specify --generate-name
helm.sh/helm/v3/pkg/action.(*Install).NameAndChart
helm.sh/helm/v3/pkg/action/install.go:571
main.runInstall
helm.sh/helm/v3/cmd/helm/install.go:179
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github.com/spf13/cobra.(*Command).execute
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github.com/spf13/cobra.(*Command).ExecuteC
github.com/spf13/cobra@v1.1.3/command.go:960
github.com/spf13/cobra.(*Command).Execute
github.com/spf13/cobra@v1.1.3/command.go:897
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit
runtime/asm_amd64.s:1371
PS C:\Users\DELL> helm install example ./mychart --set service.type=NodePort
Error: Kubernetes cluster unreachable: Get "http://localhost:8080/version?timeout=32s": dial tcp [::1]:8080: connectex: No connection could be made because the target machine actively refused it.
PS C:\Users\DELL> helm install example ./mychart --set service.type=NodePort
NAME: example
LAST DEPLOYED: Sat Sep 25 13:00:18 2021
NAMESPACE: default
STATUS: deployed
REVISION: 1
NOTES:
1. Get the application URL by running these commands:
export NODE_PORT=$(kubectl get --namespace default -o jsonpath="{.spec.ports[0].nodePort}" services example-mychart)
export NODE_IP=$(kubectl get nodes --namespace default -o jsonpath="{.items[0].status.addresses[0].address}")
echo http://$NODE_IP:$NODE_PORT
PS C:\Users\DELL>
Type here to search
28°C
ENG
13:01
25-09-2021