

KUBERNETES HELM

```
Activities Terminal Mon 01:15 user@worker01: ~
File Edit View Search Terminal Help
user@worker01:~$ helm create mychart
Creating mychart
user@worker01:~$ helm install --dry-run --debug ./mychart --set service.internalPort=8080
install.go:178: [debug] Original chart version: ""
Error: INSTALLATION FAILED: 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:612
main.runInstall
helm.sh/helm/v3/cmd/helm/install.go:184
main.newInstallCmd.func2
helm.sh/helm/v3/cmd/helm/install.go:125
github.com/spf13/cobra.(*Command).execute
github.com/spf13/cobra@v1.2.1/command.go:856
github.com/spf13/cobra.(*Command).ExecuteC
github.com/spf13/cobra@v1.2.1/command.go:974
github.com/spf13/cobra.(*Command).Execute
github.com/spf13/cobra@v1.2.1/command.go:902
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit
runtime/asm_and64.s:1371
INSTALLATION FAILED
main.newInstallCmd.func2
helm.sh/helm/v3/cmd/helm/install.go:127
github.com/spf13/cobra.(*Command).execute
github.com/spf13/cobra@v1.2.1/command.go:856
github.com/spf13/cobra.(*Command).ExecuteC
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github.com/spf13/cobra.(*Command).Execute
github.com/spf13/cobra@v1.2.1/command.go:902
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit

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github.com/spf13/cobra@v1.2.1/command.go:902
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit
runtime/asm_and64.s:1371
user@worker01:~/mychart/templates$ helm install example8 ./mychart --set service.type=NodePort
Error: INSTALLATION FAILED: path "./mychart" not found
user@worker01:~/mychart/templates$ cd ~
user@worker01:~$ helm install example8 ./mychart --set service.type=NodePort
NAME: example8
LAST DEPLOYED: Mon Sep 27 01:14:35 2021
NAMESPACE: default
STATUS: deployed
REVISION: 1
NOTES:
1. Get the application URL by running these commands:
  export NODE_PORT=$(kubectl get --namespace default -o jsonpath="{.spec.ports[0].nodePort}" services example8-mychart)
  export NODE_IP=$(kubectl get nodes --namespace default -o jsonpath="{.items[0].status.addresses[0].address}")
  echo http://$NODE_IP:$NODE_PORT
user@worker01:~$ export NODE_PORT=$(kubectl get --namespace default -o jsonpath="{.spec.ports[0].nodePort}" services example8-mychart)
user@worker01:~$ export NODE_IP=$(kubectl get nodes --namespace default -o jsonpath="{.items[0].status.addresses[0].address}")
user@worker01:~$ echo http://$NODE_IP:$NODE_PORT
http://192.168.49.2:32509
user@worker01:~$
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KUBERNETES HELM

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Activities Terminal Mon 01:23 user@worker01: ~
File Edit View Search Terminal Help
user@worker01:~$ echo http://$NODE_IP:$NODE_PORT
http://192.168.49.2:32509
user@worker01:~$ helm lint ./mychart
==> Linting ./mychart
[INFO] Chart.yaml: icon is recommended

1 chart(s) linted, 0 chart(s) failed
user@worker01:~$ echo "malformed" > mychart/values.yaml
user@worker01:~$ helm lint ./mychart
==> Linting ./mychart
[INFO] Chart.yaml: icon is recommended
[ERROR] values.yaml: unable to parse YAML: error unmarshaling JSON: while decoding JSON: json: cannot unmarshal string into Go value of type c
hartutil.Values
[ERROR] templates/: cannot load values.yaml: error unmarshaling JSON: while decoding JSON: json: cannot unmarshal string into Go value of type
map[string]interface {}
[ERROR] : unable to load chart
cannot load values.yaml: error unmarshaling JSON: while decoding JSON: json: cannot unmarshal string into Go value of type map[string]
interface {}

Error: 1 chart(s) linted, 1 chart(s) failed
user@worker01:~$ helm install example2 ./mychart --set service.type=NodePort
Error: INSTALLATION FAILED: cannot load values.yaml: error unmarshaling JSON: while decoding JSON: json: cannot unmarshal string into Go value
of type map[string]interface {}
user@worker01:~$ helm install example7 ./mychart --set service.type=NodePort
Error: INSTALLATION FAILED: cannot load values.yaml: error unmarshaling JSON: while decoding JSON: json: cannot unmarshal string into Go value
of type map[string]interface {}
user@worker01:~$ helm install example7 ./mychart --set service.type=NodePort
NAME: example7
LAST DEPLOYED: Mon Sep 27 01:22:53 2021
NAMESPACE: default
STATUS: deployed
REVISION: 1
NOTES:
1. Get the application URL by running these commands:
  export NODE_PORT=$(kubectl get --namespace default -o jsonpath="{.spec.ports[0].nodePort}" services example7-mychart)
  export NODE_IP=$(kubectl get nodes --namespace default -o jsonpath="{.items[0].status.addresses[0].address}")
  echo http://$NODE_IP:$NODE_PORT
user@worker01:~$
```

