

KUBERNETES HELM

```
user@worker01: ~ - ssh - 1.DevOps/Team1.DevOps
File Edit View Search Terminal Help

user@worker01:~$ mkdir Team1.DevOps
user@worker01:~$ cd Team1.DevOps
user@worker01:~/Team1.DevOps$ git clone https://github.com/rahuip99/Team1.DevOps.git
Cloning into 'Team1.DevOps'...
Username for 'https://github.com': ghp_lg3TfyP4spRtvQenFD0dHqeLUU6q32fwLiy
Password for 'https://github.com/rahuip99/Team1.DevOps.git':
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
user@worker01:~/Team1.DevOps$ git branch Branch2
fatal: Not a valid object name: 'master'.
user@worker01:~/Team1.DevOps$ cd Team1.DevOps
user@worker01:~/Team1.DevOps/Team1.DevOps$ git branch Branch2
user@worker01:~/Team1.DevOps/Team1.DevOps$ git checkout Branch2
Switched to branch 'Branch2'
user@worker01:~/Team1.DevOps/Team1.DevOps$ git submodule add https://github.com/Sanana85/DBMS.git PROFIT-Correction
Cloning into '/home/user/Team1.DevOps/Team1.DevOps/PROFIT-Correction':
fatal: unable to access 'https://github.com/Sanana85/DBMS.git/': Couldn't connect to server
user@worker01:~/Team1.DevOps/Team1.DevOps$ git submodule add https://github.com/Sanana85/DBMS.git PROFIT-Correction
Cloning into '/home/user/Team1.DevOps/Team1.DevOps/PROFIT-Correction':
remote: Enumerating objects: 50, done.
remote: Counting objects: 100% (50/50), done.
remote: Compressing objects: 100% (40/40), done.
remote: Total 50 (delta 14), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (50/50), done.
user@worker01:~/Team1.DevOps/Team1.DevOps$ nano PRG2_Team1.txt
user@worker01:~/Team1.DevOps/Team1.DevOps$ git add.
git: 'add.' is not a git command. See 'git --help'.

The most similar command is
add
user@worker01:~/Team1.DevOps/Team1.DevOps$ git add.
user@worker01:~/Team1.DevOps/Team1.DevOps$ git commit
*** Please tell me who you are.

Run
git config --global user.email "you@example.com"
git config --global user.name "Your Name"

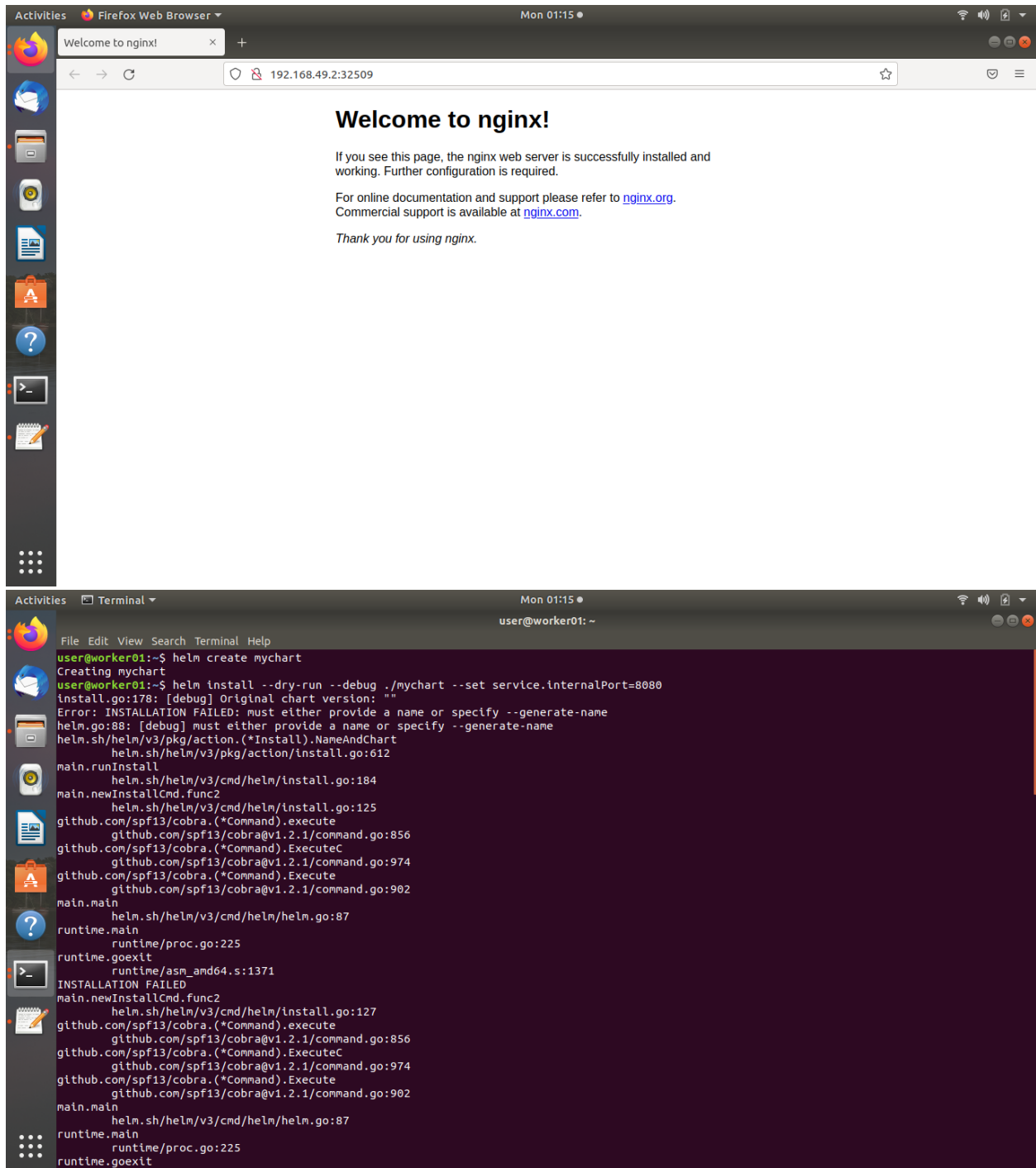
to set your account's default identity.
Omit --global to set the identity only in this repository.
fatal: unable to auto-detect email address (got 'user@worker01.(none)')
user@worker01:~/Team1.DevOps/Team1.DevOps$ git commit -m 'modified prg2'
*** Please tell me who you are.

Run
git config --global user.email "you@example.com"
git config --global user.name "Your Name"

Activities Terminal Mon 01:05 user@worker01: ~/b DevOps_Team_2/assg1/nodejs
File Edit View Search Terminal Help

user@worker01:~/Desktop/DevOps_Team_2/assg1/nodejs$ helm create mychart
Creating mychart
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/Chart.yaml" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/values.yaml" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/helmignore" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/templates/ingress.yaml" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/templates/deployment.yaml" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/templates/service.yaml" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/templates/serviceaccount.yaml" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/templates/hpa.yaml" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/templates/NOTES.txt" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/templates/_helpers.tpl" already exists. Overwriting.
WARNING: File "/home/user/Desktop/DevOps_Team_2/assg1/nodejs/mychart/templates/tests/test-connection.yaml" already exists. Overwriting.
user@worker01:~/Desktop/DevOps_Team_2/assg1/nodejs$ 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.(*Command).ExecuteC
github.com/spf13/cobra.(*Command).Execute
github.com/spf13/cobra.(*Command).Execute
main.main
helm.sh/helm/v3/cmd/helm/helm.go:87
runtime.main
runtime/proc.go:225
runtime.goexit
runtime/asm.s:1371
INSTALLATION FAILED
main.newInstallCmd.func2
```

KUBERNETES HELM



KUBERNETES HELM

```
Activities Terminal Mon 01:15 ● user@worker01: ~
File Edit View Search Terminal Help
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
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
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:~$

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:~$
```

KUBERNETES HELM

