

Status

</> Changes

▶ Build Now

⚙️ Configure

🗑️ Delete Pipeline


🔍 Full Stage View

🔄 GitHub

🌊 Open Blue Ocean

✎ Rename

❓ Pipeline Syntax

 **Build History**

trend ▼

🔍 Filter builds...

/

✓ #75

11 Jan 2023, 00:50

11 Jan 2023, 00:50

✗ #74

11 Jan 2023, 00:49

11 Jan 2023, 00:49

📡 Atom feed for all

📡 Atom feed for failures

Pipeline K8S Cluster Bootstrap masters all

Deploys k8s software on bare hosts

Edit description

Disable Project

Stage View

	Declarative: Checkout SCM	Deploy Kubernetes Cluster conforms to kubeadm 1.26 kubernetes.io official	Apply system requirements	Installing containerd container runtime	Configuring systemd cgroup driver	Installing kubeadm, kubelet and kubectl	Bootstrap cluster with kubeadm	Installing flannel network overlay
Average stage times: (Average full run time: ~2min 10s)	358ms	120ms	32s	1min 3s	46s	54s	51s	12s
#75 Jan 11 00:50 25 commits	358ms	120ms	32s	1min 3s	46s	54s	51s	12s
#74 Jan 11 00:49 No Changes								

Permalinks

- Last build (#75), 5 min 57 sec ago
- Last stable build (#75), 5 min 57 sec ago
- Last successful build (#75), 5 min 57 sec ago
- Last failed build (#74), 6 min 52 sec ago
- Last unsuccessful build (#74), 6 min 52 sec ago

- [Last completed build \(#75\), 5 min 57 sec ago](#) 

Branch: —

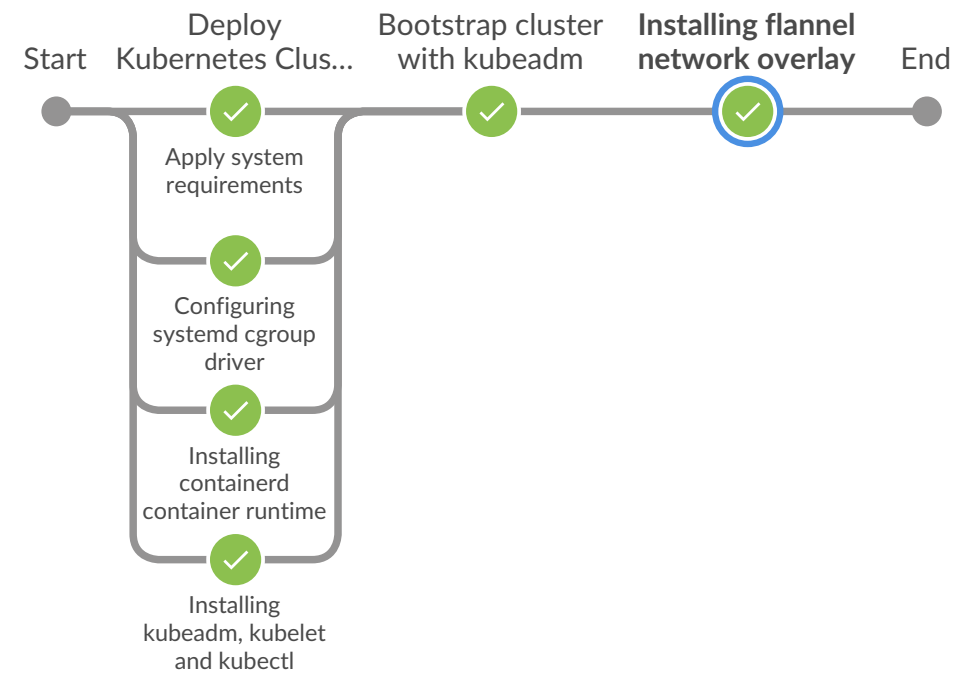
🕒 2m 10s

Changes by itoracle

Commit: —

🕒 20 minutes ago

Started by user itoracle



Installing flannel network overlay - 13s



[Restart Installing flannel network overlay](#)



✓ ▾ ansible-playbook -i files/hosts init-ppha.yaml — Shell Script

13s

```

1  + ansible-playbook -i files/hosts init-ppha.yaml
2
3  PLAY [master] *****
4
5  TASK [Gathering Facts] *****
6  ok: [k8s]
7
8  TASK [install-flannel : install Pod network] *****
9  changed: [k8s]
10
11 PLAY RECAP *****
12 k8s                : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
  
```

```
+ ansible-playbook -i files/hosts init.yaml
```

```
PLAY [master] *****
```

```
TASK [Gathering Facts] *****
ok: [k8s]
```

```
TASK [initialize the cluster] *****
changed: [k8s]
```

```
TASK [debug] *****
ok: [k8s] => {
```

```
  "kubeadm.stdout_lines": [
    "[init] Using Kubernetes version: v1.26.0",
    "[preflight] Running pre-flight checks",
    "[preflight] Pulling images required for setting up a Kubernetes cluster",
    "[preflight] This might take a minute or two, depending on the speed of your internet connection",
    "[preflight] You can also perform this action in beforehand using 'kubeadm config images pull'",
    "[certs] Using certificateDir folder \"/etc/kubernetes/pki\"",
    "[certs] Generating \"ca\" certificate and key",
    "[certs] Generating \"apiserver\" certificate and key",
    "[certs] apiserver serving cert is signed for DNS names [k8s kubernetes kubernetes.default kubernetes.default.svc
kubernetes.default.svc.cluster.local] and IPs [10.96.0.1 192.168.1.4]",
    "[certs] Generating \"apiserver-kubelet-client\" certificate and key",
    "[certs] Generating \"front-proxy-ca\" certificate and key",
    "[certs] Generating \"front-proxy-client\" certificate and key",
    "[certs] Generating \"etcd/ca\" certificate and key",
    "[certs] Generating \"etcd/server\" certificate and key",
    "[certs] etcd/server serving cert is signed for DNS names [k8s localhost] and IPs [192.168.1.4 127.0.0.1 ::1]",
    "[certs] Generating \"etcd/peer\" certificate and key",
    "[certs] etcd/peer serving cert is signed for DNS names [k8s localhost] and IPs [192.168.1.4 127.0.0.1 ::1]",
    "[certs] Generating \"etcd/healthcheck-client\" certificate and key",
    "[certs] Generating \"apiserver-etcd-client\" certificate and key",
    "[certs] Generating \"sa\" key and public key",
    "[kubeconfig] Using kubeconfig folder \"/etc/kubernetes\"",
    "[kubeconfig] Writing \"admin.conf\" kubeconfig file",
    "[kubeconfig] Writing \"kubelet.conf\" kubeconfig file",
    "[kubeconfig] Writing \"controller-manager.conf\" kubeconfig file",
    "[kubeconfig] Writing \"scheduler.conf\" kubeconfig file",
    "[kubelet-start] Writing kubelet environment file with flags to file \"/var/lib/kubelet/kubeadm-flags.env\"",
    "[kubelet-start] Writing kubelet configuration to file \"/var/lib/kubelet/config.yaml\"",
    "[kubelet-start] Starting the kubelet",
    "[control-plane] Using manifest folder \"/etc/kubernetes/manifests\"",
    "[control-plane] Creating static Pod manifest for \"kube-apiserver\"",
    "[control-plane] Creating static Pod manifest for \"kube-controller-manager\"",
    "[control-plane] Creating static Pod manifest for \"kube-scheduler\"",

```

```

    "[etcd] Creating static Pod manifest for local etcd in \"/etc/kubernetes/manifests\"",
    "[wait-control-plane] Waiting for the kubelet to boot up the control plane as static Pods from directory \"/etc/kubernetes/manifests\". This can take up to 4m0s",
    "[apiclient] All control plane components are healthy after 24.052230 seconds",
    "[upload-config] Storing the configuration used in ConfigMap \"kubeadm-config\" in the \"kube-system\" Namespace",
    "[kubelet] Creating a ConfigMap \"kubelet-config\" in namespace kube-system with the configuration for the kubelets in the cluster",
    "[upload-certs] Skipping phase. Please see --upload-certs",
    "[mark-control-plane] Marking the node k8s as control-plane by adding the labels: [node-role.kubernetes.io/control-plane node.kubernetes.io/exclude-from-external-load-balancers]",
    "[mark-control-plane] Marking the node k8s as control-plane by adding the taints [node-role.kubernetes.io/control-plane:NoSchedule]",
    "[bootstrap-token] Using token: xl3ud5.1sxsyfmglmya9aw",
    "[bootstrap-token] Configuring bootstrap tokens, cluster-info ConfigMap, RBAC Roles",
    "[bootstrap-token] Configured RBAC rules to allow Node Bootstrap tokens to get nodes",
    "[bootstrap-token] Configured RBAC rules to allow Node Bootstrap tokens to post CSRs in order for nodes to get long term certificate credentials",
    "[bootstrap-token] Configured RBAC rules to allow the csrapprover controller automatically approve CSRs from a Node Bootstrap Token",
    "[bootstrap-token] Configured RBAC rules to allow certificate rotation for all node client certificates in the cluster",
    "[bootstrap-token] Creating the \"cluster-info\" ConfigMap in the \"kube-public\" namespace",
    "[kubelet-finalize] Updating \"/etc/kubernetes/kubelet.conf\" to point to a rotatable kubelet client certificate and key",
    "[addons] Applied essential addon: CoreDNS",
    "[addons] Applied essential addon: kube-proxy",
    "",
    "Your Kubernetes control-plane has initialized successfully!",
    "",
    "To start using your cluster, you need to run the following as a regular user:",
    "",
    "  mkdir -p $HOME/.kube",
    "  sudo cp -i /etc/kubernetes/admin.conf $HOME/.kube/config",
    "  sudo chown $(id -u):$(id -g) $HOME/.kube/config",
    "",
    "Alternatively, if you are the root user, you can run:",
    "",
    "  export KUBECONFIG=/etc/kubernetes/admin.conf",
    "",
    "You should now deploy a pod network to the cluster.",
    "Run \"kubectl apply -f [podnetwork].yaml\" with one of the options listed at:",
    "  https://kubernetes.io/docs/concepts/cluster-administration/addons/",
    "",
    "Then you can join any number of worker nodes by running the following on each as root:",
    "",
    "kubeadm join 192.168.1.4:6443 --token xl3ud5.1sxsyfmglmya9aw \\",
    "\t--discovery-token-ca-cert-hash sha256:70115562aeb56cc5453800a6ba0c769f6b49f1762aacaebad96f282be75639ee "

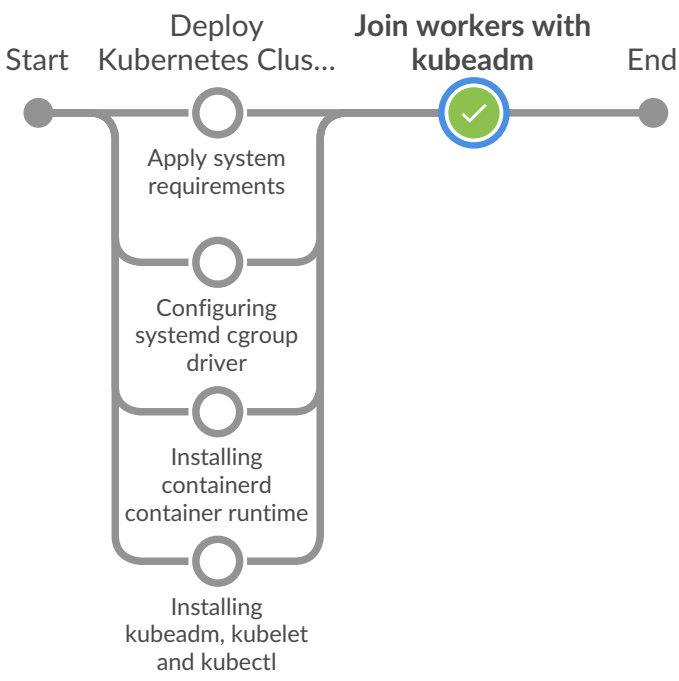
```

```
]
}
```

```
TASK [k8s-copy-admin : create .kube directory] *****
ok: [k8s]
```

```
TASK [k8s-copy-admin : copy admin.conf to user's kube config] *****
changed: [k8s]
```

```
PLAY RECAP *****
k8s                : ok=5    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```



Join workers with kubeadm - 1m 3s

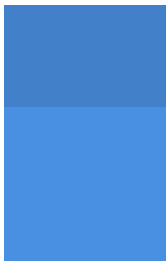
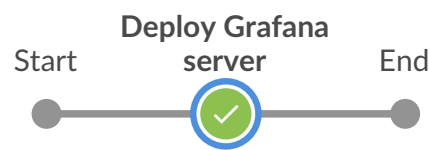
[Restart Join workers with kubeadm](#)

✓ ansible-playbook -i files/hosts join-w.yaml — Shell Script1m 3s

```
1 + ansible-playbook -i files/hosts join-w.yaml
2
3 PLAY [master] *****
4
5 TASK [get join command] *****
6 changed: [k8s]
7
8 TASK [set join command] *****
9 ok: [k8s]
10
11 TASK [debug] *****
12 ok: [k8s] => {
13   "join_command_raw.stdout_lines": [
14     "kubeadm join 192.168.1.4:6443 --token oisffj.21mtkgw4sa17pyqm --discovery-token-ca-cert-hash sha256:8ac6c15a8d32f3fbb4a0852bd825bfc7f7acbb59835e3099184ef8a46ba1bb56 "
15   ]
16 }
17
18 PLAY [workers] *****
19
20 TASK [Gathering Facts] *****
21 ok: [r59]
22
23 TASK [Join worker] *****
```

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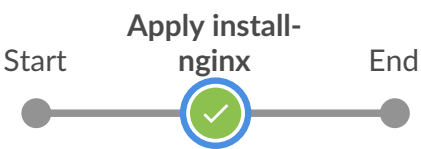


Deploy Grafana server - 1m 21s		Restart Deploy Grafana server
✓	> Check out from version control	<1s
✓	▼ ansible-playbook -i files/hosts install-grafana-server.yaml — Shell Script	1m 21s

```
1 + ansible-playbook -i files/hosts install-grafana-server.yaml
2
3 PLAY [grafana] *****
4
5 TASK [Gathering Facts] *****
6 ok: [k8s]
7
8 TASK [wgi : Wget artifacts] *****
9 ok: [k8s] => (item=github.com/prometheus/prometheus/releases/download/v2.39.1/)
10 ok: [k8s] => (item=github.com/prometheus/node_exporter/releases/download/v1.4.0/)
11
12 TASK [wgi : Creates directory] *****
13 ok: [k8s] => (item=github.com/prometheus/prometheus/releases/download/v2.39.1/)
14 ok: [k8s] => (item=github.com/prometheus/node_exporter/releases/download/v1.4.0/)
15 ok: [k8s] => (item=prometheus-config-yml-j2)
16 ok: [k8s] => (item=./roles/grafana/files/prometheus)
17 ok: [k8s] => (item=./roles/grafana/files/node_exporter)
18
19 TASK [wgi : Copy services artifacts] *****
20 skipping: [k8s]
21
22 TASK [wgi : Extract archived] *****
23 changed: [k8s] => (item=github.com/prometheus/prometheus/releases/download/v2.39.1/)
24 ok: [k8s] => (item=github.com/prometheus/node_exporter/releases/download/v1.4.0/)
25
26 TASK [wgi : Install module] *****
27 skipping: [k8s]
28
29 TASK [wgi : Copy plain artifacts] *****
30 skipping: [k8s]
31
32 TASK [wgi : Copy role files] *****
33 ok: [k8s] => (item=./roles/grafana/files/prometheus)
34 ok: [k8s] => (item=./roles/grafana/files/node_exporter)
35
36 TASK [wgi : Copy role templates] *****
37 changed: [k8s] => (item=prometheus-config-yml-j2)
38
```

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Apply install-nginx - 11s

[Restart Apply install-nginx](#)

✓

> Check out from version control

<1s




✓

▼ ansible-playbook -i files/hosts install-nginx.yaml — Shell Script

11s

```
1 + ansible-playbook -i files/hosts install-nginx.yaml
2
3 PLAY [master] *****
4
5 TASK [Gathering Facts] *****
6 ok: [k8s]
7
8 TASK [manage-by-helm : Install helm chart from a repo specifying path] *****
9 [WARNING]: The default idempotency check can fail to report changes in certain
10 cases. Install helm diff >= 3.4.1 for better results.
11 ok: [k8s] => (item=kubernetes.github.io/ingress-nginx)
12
13 PLAY RECAP *****
14 k8s : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```



 [Restart Apply install-dashboard](#)  

1.27.0 · Core 2.375.1 · 518836e · 6th January 2023 11:00 AM

17/01/2023 23:20
Page 1 of 1