

```
[root@localhost arthtask19]# ansible-playbook --ask-vault-password setup.yml
```

```
Vault password:
```

```
[WARNING]: * Failed to parse /arthtask19/K8SMater/defaults/main.yml with auto plugin: no root 'plugin'
key found, '/arthtask19/K8SMater/defaults/main.yml' is not a valid YAML inventory plugin config file
[WARNING]: * Failed to parse /arthtask19/K8SMater/defaults/main.yml with yaml plugin: Parsed empty YAML
file
[WARNING]: * Failed to parse /arthtask19/K8SMater/defaults/main.yml with ini plugin: Invalid host
pattern '---' supplied, '---' is normally a sign this is a YAML file.
[WARNING]: Unable to parse /arthtask19/K8SMater/defaults/main.yml as an inventory source
[WARNING]: Unable to parse /arthtask19/K8SMater/defaults as an inventory source
[WARNING]: Skipping 'exec-opts' as this is not a valid group definition
[WARNING]: * Failed to parse /arthtask19/K8SMater/handlers/main.yml with auto plugin: no root 'plugin'
key found, '/arthtask19/K8SMater/handlers/main.yml' is not a valid YAML inventory plugin config file
[WARNING]: * Failed to parse /arthtask19/K8SMater/handlers/main.yml with yaml plugin: YAML inventory
has invalid structure, it should be a dictionary, got: <class
'ansible.parsing.yaml.objects.AnsibleSequence'>
[WARNING]: * Failed to parse /arthtask19/K8SMater/handlers/main.yml with ini plugin: Invalid host
pattern '---' supplied, '---' is normally a sign this is a YAML file.
[WARNING]: Unable to parse /arthtask19/K8SMater/handlers/main.yml as an inventory source
[WARNING]: Unable to parse /arthtask19/K8SMater/handlers as an inventory source
[WARNING]: Skipping key (author) in group (galaxy_info) as it is not a mapping, it is a <class
'ansible.parsing.yaml.objects.AnsibleUnicode'>
[WARNING]: Skipping key (description) in group (galaxy_info) as it is not a mapping, it is a <class
'ansible.parsing.yaml.objects.AnsibleUnicode'>
[WARNING]: Skipping key (company) in group (galaxy_info) as it is not a mapping, it is a <class
'ansible.parsing.yaml.objects.AnsibleUnicode'>
[WARNING]: Skipping key (license) in group (galaxy_info) as it is not a mapping, it is a <class
'ansible.parsing.yaml.objects.AnsibleUnicode'>
[WARNING]: Skipping key (min_ansible_version) in group (galaxy_info) as it is not a mapping, it is a
```

```
PLAY [tag_Name_MasterNode] *****
TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 13.233.161.67 is using the discovered Python interpreter at
/usr/bin/python, but future installation of another Python interpreter could change the meaning of that
path. See https://docs.ansible.com/ansible/2.10/reference_appendices/interpreter_discovery.html for more
information.
ok: [13.233.161.67]

TASK [K8SMater : Removing docker if installed] *****
ok: [13.233.161.67]

TASK [K8SMater : Installing docker] *****
ok: [13.233.161.67]

TASK [K8SMater : Starting docker service] *****
ok: [13.233.161.67]

TASK [K8SMater : Adding Yum repository for Kubernetes] *****
ok: [13.233.161.67]

TASK [K8SMater : Install Kublet, Kubeadm, Kubectl] *****
changed: [13.233.161.67] => (item=kubelet)
changed: [13.233.161.67] => (item=kubeadm)
ok: [13.233.161.67] => (item=kubectl)

TASK [K8SMater : copy daemon file] *****
changed: [13.233.161.67]
```



```
PLAY [tag_Name_SlaveNodes] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 13.232.92.82 is using the discovered Python interpreter at
/usr/bin/python, but future installation of another Python interpreter could change the meaning of that
path. See https://docs.ansible.com/ansible/2.10/reference_appendices/interpreter_discovery.html for more
information.
ok: [13.232.92.82]
[WARNING]: Platform linux on host 13.235.135.139 is using the discovered Python interpreter at
/usr/bin/python, but future installation of another Python interpreter could change the meaning of that
path. See https://docs.ansible.com/ansible/2.10/reference_appendices/interpreter_discovery.html for more
information.
ok: [13.235.135.139]

TASK [K8SWorkers : Removing docker if installed] *****
ok: [13.235.135.139]
ok: [13.232.92.82]
```

```
TASK [K8SWorkers : Installing docker] *****
ok: [13.235.135.139]
ok: [13.232.92.82]

TASK [K8SWorkers : Starting Docker Service] *****
ok: [13.235.135.139]
ok: [13.232.92.82]

TASK [K8SWorkers : Adding yum repository for Kubernetes] *****
ok: [13.235.135.139]
ok: [13.232.92.82]

TASK [K8SWorkers : Install Kubelet, Kubeadm, kubectl] *****
ok: [13.235.135.139] => (item=kubelet)
ok: [13.232.92.82] => (item=kubelet)
ok: [13.235.135.139] => (item=kubeadm)
ok: [13.232.92.82] => (item=kubeadm)
ok: [13.232.92.82] => (item=kubectl)
ok: [13.235.135.139] => (item=kubectl)

TASK [K8SWorkers : copy daemon file] *****
changed: [13.235.135.139]
changed: [13.232.92.82]

TASK [K8SWorkers : Remove swapfile from /etc/fstab] *****
ok: [13.235.135.139] => (item=swap)
ok: [13.232.92.82] => (item=swap)
ok: [13.235.135.139] => (item=none)
```

```
TASK [K8SWorkers : Appending systcl File] *****
changed: [13.235.135.139]
changed: [13.232.92.82]
```

```
TASK [K8SWorkers : Appending Sysctl File] *****
[WARNING]: Consider using 'become', 'become_method', and 'become_user' rather than running sudo
changed: [13.235.135.139]
changed: [13.232.92.82]
```

```
TASK [K8SWorkers : join command] *****
changed: [13.235.135.139]
changed: [13.232.92.82]
```

```
RUNNING HANDLER [K8SWorkers : Restarting Docker Service] *****
changed: [13.235.135.139]
changed: [13.232.92.82]
```

```
PLAY RECAP *****
13.232.92.82          : ok=15    changed=5    unreachable=0    failed=0    skipped=0    rescued=0
ignored=0
13.235.135.139       : ok=15    changed=5    unreachable=0    failed=0    skipped=0    rescued=0
ignored=0
```

```
[root@ip-172-31-33-224 ~]# kubectl get nodes
```

NAME	STATUS	ROLES	AGE	VERSION
ip-172-31-33-224.ap-south-1.compute.internal	Ready	control-plane,master	30m	v1.20.5

```
[root@ip-172-31-33-224 ~]#
```

Before Running
K8S Worker Role

```
[root@ip-172-31-33-224 ~]# kubectl get nodes
```

NAME	STATUS	ROLES	AGE	VERSION
------	--------	-------	-----	---------

ip-172-31-33-224.ap-south-1.compute.internal	Ready	control-plane,master	39m	v1.20.5
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After Running K8SWorker Role

ip-172-31-36-178.ap-south-1.compute.internal	Ready	<none>	80s	v1.20.5
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ip-172-31-39-151.ap-south-1.compute.internal	Ready	<none>	79s	v1.20.5
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Added two Worker Nodes

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[root@ip-172-31-33-224 ~]#
```