

```
[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
--	-------	----------------------	-----	---------

After Running K8SWorker Role

ip-172-31-36-178.ap-south-1.compute.internal	Ready	<none>	80s	v1.20.5
--	-------	--------	-----	---------

ip-172-31-39-151.ap-south-1.compute.internal	Ready	<none>	79s	v1.20.5
--	-------	--------	-----	---------

Added two Worker Nodes

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



```
[root@localhost arthtask23]# ansible-playbook mainsetup.yml
[WARNING]: Skipping 'apiVersion' as this is not a valid group definition
[WARNING]: Skipping 'kind' as this is not a valid group definition
[WARNING]: Skipping unexpected key (labels) in group (metadata), only "vars", "children" and "hosts" are
valid
[WARNING]: Skipping key (name) in group (metadata) as it is not a mapping, it is a <class
'ansible.parsing.yaml.objects.AnsibleUnicode'>
[WARNING]: Skipping key (replicas) in group (spec) as it is not a mapping, it is a <class 'int'>
[WARNING]: Skipping unexpected key (selector) in group (spec), only "vars", "children" and "hosts" are
valid
[WARNING]: Skipping unexpected key (template) in group (spec), only "vars", "children" and "hosts" are
valid
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
[WARNING]: * Failed to parse /arthtask23/mainsetup.yml with auto plugin: no root 'plugin' key found,
'/arthtask23/mainsetup.yml' is not a valid YAML inventory plugin config file
[WARNING]: * Failed to parse /arthtask23/mainsetup.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 /arthtask23/mainsetup.yml with ini plugin: /arthtask23/mainsetup.yml:1:
Expected key=value host variable assignment, got: hosts:
[WARNING]: Unable to parse /arthtask23/mainsetup.yml as an inventory source
[WARNING]: * Failed to parse /arthtask23/mykey.pem with ini plugin: /arthtask23/mykey.pem:1: Expected
key=value host variable assignment, got: RSA
[WARNING]: Unable to parse /arthtask23/mykey.pem as an inventory source
[WARNING]: Skipping key (pass) in group (data) as it is not a mapping, it is a <class
'ansible.parsing.yaml.objects.AnsibleUnicode'>
[WARNING]: Skipping key (ports) in group (spec) as it is not a mapping, it is a <class
'ansible.parsing.yaml.objects.AnsibleSequence'>
[WARNING]: Skipping key (type) in group (spec) as it is not a mapping, it is a <class
```

```
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 [Copying all the yaml files in K8S Client] *****
```

```
changed: [13.233.161.67] => (item=MySQL.yml)
```

```
ok: [13.233.161.67] => (item=svc.yml)
```

```
changed: [13.233.161.67] => (item=wordpress.yml)
```

```
ok: [13.233.161.67] => (item=secret.yml)
```

```
TASK [Creating Secret] *****
```

```
changed: [13.233.161.67]
```

```
TASK [Output of Secret] *****
```

```
ok: [13.233.161.67] => {
```

```
  "secret": {
```

```
    "changed": true,
```

```
    "cmd": "kubectl apply -f /root/secret.yml",
```

```
    "delta": "0:00:00.371963",
```

```
TASK [Creating MySql pod] *****
changed: [13.233.161.67]

TASK [Output of MySql pod] *****
ok: [13.233.161.67] => {
  "mysql": {
    "changed": true,
    "cmd": "kubectl apply -f /root/MySql.yml",
    "delta": "0:00:00.852384",
    "end": "2021-03-29 18:20:49.371349",
    "failed": false,
    "rc": 0,
    "start": "2021-03-29 18:20:48.518965",
    "stderr": "",
    "stderr_lines": [],
    "stdout": "deployment.apps/vishsqlpod created",
    "stdout_lines": [
      "deployment.apps/vishsqlpod created"
    ]
  }
}
```

```
TASK [Creating Wordpress pod] *****
changed: [13.233.161.67]

TASK [Output of Wordpress pod] *****
ok: [13.233.161.67] => {
  "wp": {
    "changed": true,
    "cmd": "kubectl apply -f /root/wordpress.yml",
    "delta": "0:00:00.893849",
    "end": "2021-03-29 18:20:52.836609",
    "failed": false,
    "rc": 0,
    "start": "2021-03-29 18:20:51.942760",
    "stderr": "",
    "stderr_lines": [],
    "stdout": "deployment.apps/vishwp created",
    "stdout_lines": [
      "deployment.apps/vishwp created"
    ]
  }
}
```

```
TASK [Exposing Wordpress to Outside guys using Service/LB] *****
changed: [13.233.161.67]

TASK [Output of service expose] *****
ok: [13.233.161.67] => {
  "svc": {
    "changed": true,
    "cmd": "kubectl apply -f /root/svc.yml",
    "delta": "0:00:00.790690",
    "end": "2021-03-29 18:20:56.535498",
    "failed": false,
    "rc": 0,
    "start": "2021-03-29 18:20:55.744808",
    "stderr": "",
    "stderr_lines": [],
    "stdout": "service/vishsvc created",
    "stdout_lines": [
      "service/vishsvc created"
    ]
  }
}
```

```
PLAY RECAP *****
13.233.161.67      : ok=10    changed=5    unreachable=0    failed=0    skipped=0    rescued=0
ignored=0
```

```
[root@ip-172-31-33-224 ec2-user]# kubectl get all
```

NAME	READY	STATUS	RESTARTS	AGE
pod/vishsqlpod-6758f5dcdf-42mnh	1/1	Running	0	28m
pod/vishsqlpod-6758f5dcdf-6df5n	1/1	Running	0	28m
pod/vishwp-c95f56656-qgsgw	1/1	Running	0	28m
pod/vishwp-c95f56656-v29xr	1/1	Running	0	28m

ALL The PODs

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
service/kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	63m
service/vishsvc	NodePort	10.101.72.128	<none>	80:30000/TCP	28m
service/vishwp	NodePort	10.110.251.104	<none>	80:30652/TCP	20m

WordPress Exposed by this

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
deployment.apps/vishsqlpod	2/2	2	2	28m
deployment.apps/vishwp	2/2	2	2	28m

Deployments

NAME	DESIRED	CURRENT	READY	AGE
replicaset.apps/vishsqlpod-6758f5dcdf	2	2	2	28m
replicaset.apps/vishwp-c95f56656	2	2	2	28m

```
[root@ip-172-31-33-224 ec2-user]# kubectl get secrets
```

NAME	TYPE	DATA	AGE
default-token-lt8p6	kubernetes.io/service-account-token	3	19h
vishsecret	Opaque	1	29m

And this is secret

```
[root@ip-172-31-33-224 ec2-user]#
```



## This site can't be reached

13.233.161.67 took too long to respond.

Try:

- Checking the connection
- [Checking the proxy and the firewall](#)
- [Running Windows Network Diagnostics](#)

ERR\_CONNECTION\_TIMED\_OUT

Reload

Details

My site is not opening due to deletion of kube-K8S-API container from the master node in the cluster. I had deleted because of some other testing purpose. In your case it will work fine cause I have tested same setup in local cluster some days ago.



Below you should enter your database connection details. If you're not sure about these, contact your host.

**Database Name**

The name of the database you want to use with WordPress.

**Username**

Your database username.

Have to connect DB server something like this

**Password**

Your database password.

**Database Host**

You should be able to get this info from your web host, if localhost doesn't work.

**Table Prefix**

If you want to run multiple WordPress installations in a single database, change this.

Submit