

Ansible Assignment

Submitted by
Senjila s

Docker installing through playbook

```
Activities Terminal Nov 30 19:05
root@master:~/deploy

ERROR: [-o ctt_cnd] [-o option] [-p port] [-Q query_option] [-R address]
ERROR: [-S ctt_path] [-M host:port] [-w local_tun[:remote_tun]]
ERROR: [user@]hostname [command]

[root@master ~]# vi /etc/ansible/hosts
[root@master ~]# vi /etc/hosts
[root@master ~]# cd deploy
[root@master deploy]# ls
boolean.yaml  fact.yaml  loop2.yaml  package.yaml  play3.yaml  templa.yaml  vault.yaml
copy.yaml     handler.yaml  loops.yaml  partition     play4.yaml  templa.yaml
dockerinstall.yaml  ignore.yaml  operation2.yaml  partition.yaml  play5.yaml  user.yaml
ec2.yaml      loop1.yaml  operation.yaml  play1.yaml    play6.yaml  vault-pass
[root@master deploy]# vi dockerinstall.yaml
[root@master deploy]# ansible-playbook dockerinstall.yaml --syntax-check

playbook: dockerinstall.yaml
[root@master deploy]# ansible-playbook dockerinstall.yaml

PLAY [Docker Installation] *****
TASK [Gathering Facts] *****
ok: [node3]

TASK [Installing Docker Prerequisites] *****
/usr/bin/yum module: invoking 'yum' only once while using a loop via squash_actions is deprecated. Instead of using a
loop to supply multiple items and specifying 'name: '{{ item }}'', please use 'name: ['yum-utils', 'device-mapper-
persistent-data', 'lvm2']' and remove the loop. This feature will be removed in version 2.11. Deprecation warnings can be
disabled by setting deprecation_warnings=False in ansible.cfg.
ok: [node3] => (item=['yum-utils', 'device-mapper-persistent-data', 'lvm2'])

TASK [Configuring docker-ce repo] *****
ok: [node3]

TASK [Installing docker latest version] *****
ok: [node3]

TASK [Starting and Enabling docker service] *****
ok: [node3]

PLAY RECAP *****
node3 : ok=5  changed=0  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0

[root@master deploy]# vi createconf.yaml
[root@master deploy]# ansible-playbook createconf.yaml --syntax-check
ERROR: we were unable to read either as JSON nor YAML, these are the errors we got from each:
JSON: no JSON object could be decoded
YAML: Syntax Error while loading YAML.
      did not find expected ':' indicator

The error appears to be in '/root/.ansible/playbook/createconf.yaml': line 25, column 8, but may
be in another file that contains this fragment
```

```
Activities Terminal Nov 30 19:06
root@master:~/deploy

[root@master deploy]# vi createconf.yaml
[root@master deploy]# ansible-playbook createconf.yaml

PLAY [node3] *****
TASK [Gathering Facts] *****
ok: [node3]

TASK [Install] *****
changed: [node3]

TASK [Pull a Docker Image] *****
ok: [node3]

TASK [Checking Pull Status] *****
ok: [node3] => {
  "z": {
    "actions": {},
    "changed": false,
    "failed": false,
    "image": {
      "Architecture": "amd64",
      "Author": "",
      "Comment": "",
      "Config": {
        "AttachStderr": false,
        "AttachStdin": false,
        "AttachStdout": false,
        "Cmd": [
          "httpd-foreground"
        ],
        "Domainname": "",
        "Entrypoint": null,
        "Env": [
          "PATH=/usr/local/apache2/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",
          "HTTPD_PREFIX=/usr/local/apache2",
          "HTTPD_VERSION=2.4.51",
          "HTTPD_SHA256=20e01d81fecf077090a4439e3969a9b22a09a8d43c525350e863407741b838f4",
          "HTTPD_PATCHES="
        ],
        "ExposedPorts": {
          "80/tcp": {}
        },
        "Hostname": "",
        "Image": "sha256:e98023b63ac1be5cb88a845b3ba8b31e2b5b11bdf0cf17251e4ead0b692c4179",
        "Labels": null,
        "Onbuild": null,
        "OpenStdin": false,
        "StdinOnce": false,
        "StopSignal": "SIGINCH",
        "Tty": false,
        "User": "",
        "Volumes": null
      }
    }
  }
}
```

```
Activities Terminal Nov 30 19:06
root@master:~/deploy

"WorkingDir": "/usr/local/apache2"
},
"Created": "2021-10-21T23:37:11.283670489Z",
"DockerVersion": "20.10.7",
"GraphDriver": {
  "Data": {
    "LowerDir": "/var/lib/docker/overlay2/05dc9a57f49224244897d85a8dfed506ee65862f64e62c3c536ace6e0f40ce12/diff:/var/lib/docker/overlay2/aca3ba3bffc38cd373c90f402c2dc183e789d86f15a9765745922c625c
nefbbc/diff:/var/lib/docker/overlay2/c9c02963867eb3c2113e623caba9ef8dcd4d720224fc39ac98ceec54e3fb9a/diff:/var/lib/docker/overlay2/ab54427a54c9062cf622b040f4ff4846d2ba5f244562bf781cccd42022bfa081/diff",
    "MergedDir": "/var/lib/docker/overlay2/c8a82488812e9165be27e9ecf0f0b6bd8e0b6476bc8c9b312e5dedbb418b7c4c/merged",
    "UpperDir": "/var/lib/docker/overlay2/c8a82488812e9165be27e9ecf0f0b6bd8e0b6476bc8c9b312e5dedbb418b7c4c/diff",
    "WorkDir": "/var/lib/docker/overlay2/c8a82488812e9165be27e9ecf0f0b6bd8e0b6476bc8c9b312e5dedbb418b7c4c/work"
  },
  "Name": "overlay2"
},
"Id": "sha256:1132a4fc88faaf5c19959f03535c1356d3064ced1978cb9c3f32e73d9c139532",
"Metadata": {
  "LastTagTime": "0001-01-01T00:00:00Z"
},
"Os": "linux",
"Parent": "",
"RepoDigests": [
  "httpdsha256:f70876d78442771406d7245b8d3425e8b0a86891c79811af94fb2e12af0fadeb"
],
"RepoTags": [
  "httpd:latest"
],
"RootFS": {
  "Layers": [
    "sha256:e8b68971f21f9301c40bf2131ce1a1905c3aa09def1de5ec43cf0ad652576e",
    "sha256:7511c367f47aaabefb9af479612cc56c32ba57081a5a9f15ccb9221554210932",
    "sha256:ec02b49ef2438430f9302951608e1d35e9f16a5de113e25d049d0734ad0fafc",
    "sha256:c0b337ee54f93994c13f072e5c0b7b399eb1b7c516834e3e3d1d0141ec6a31",
    "sha256:4dcdec0b7a0eaf4dec50e484e54440d73871ae77a99ee69e20b6ffcc18ee640"
  ],
  "Type": "layers"
},
"Size": 143471612,
"VirtualSize": 143471612
}
}
}

TASK [Creating a Persistent Volume Dir] *****
changed: [node3]

TASK [Launching an HTTPD Container] *****
changed: [node3]

PLAY RECAP *****
node3 : ok=0 changed=3 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[root@master deploy]#
```

```
Activities VMware Workstation Nov 30 19:06
Clone (4) of CentOS 7 64-bit - VMware Workstation

File Edit View VM Tabs Help
My Computer CentOS 7 64-bit master node1 node2 Clone (4) of CentOS 7 64-bit

[root@node3 ~]# docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
76b17b6344ef        httpd              "httpd-foreground"  7 hours ago         Up 7 hours          0.0.0.0:8080->80/tcp  apac
he-server
[root@node3 ~]#
```