

ActivitiesPuTTY SSH Client ▾Dec 1 7:50 AM●root@master:/etc/docker

```
d=0 ignored=0

[root@master docker]# vi createdoc.yaml
[root@master docker]# vi createdoc.yaml
[root@master docker]# ansible-playbook createdoc.yaml

PLAY [webservers] *****

TASK [Gathering Facts] *****
ok: [node1]

TASK [Install] *****
changed: [node1]

TASK [Pull a Docker Image] *****
ok: [node1]

TASK [Checking Pull Status] *****
ok: [node1] => {
  "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=20e01d81fecf077690a4439e3969a9b22a09a8d43c525356e863407741b838f4",
          "HTTPD_PATCHES="
        ],
        "ExposedPorts": {
          "80/tcp": {}
        },
        "Hostname": "",
        "Image": "sha256:3e6cc8d7517ea98ccc2625425b999f56c3e6ca85a8149e76a37061d1bac6f76f",
        "Labels": null,
        "OnBuild": null,
        "OpenStdin": false,
        "StdinOnce": false,
        "StopSignal": "SIGWINCH",
        "Tty": false,
        "User": "",
        "Volumes": null,
        "WorkingDir": "/usr/local/apache2"
      },
      "Container": "6f074d2d7f78e1c0b56f7cc03a636840ba57f407dd7059e32b460a1d74654f48",
      "ContainerConfig": {
        "AttachStderr": false,
        "AttachStdin": false,
        "AttachStdout": false,
        "Cmd": [
          "/bin/sh",
          "-c",
          "#(nop) ",
          "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=20e01d81fecf077690a4439e3969a9b22a09a8d43c525356e863407741b838f4",
          "HTTPD_PATCHES="
        ],

```

ActivitiesPuTTY SSH ClientDec 1 7:49 AMroot@master:/etc/docker

```
    "/bin/sh",
    "-c",
    "#(nop)",
    "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=20e01d81fecf077690a4439e3969a9b22a09a8d43c525366e863407741b838f4",
    "HTTPD_PATCHES="
  ],
  "ExposedPorts": {
    "80/tcp": {}
  },
  "Hostname": "6f074d2d7f78",
  "Image": "sha256:3c6cc8d7517ea98ccc2625425b999f56c3e6ca85a8149e76a37061d1bac6f76f",
  "Labels": {},
  "OnBuild": null,
  "OpenStdin": false,
  "StdinOnce": false,
  "StopSignal": "SIGINCH",
  "Tty": false,
  "User": "",
  "Volumes": null,
  "WorkingDir": "/usr/local/apache2"
},
"Created": "2021-11-19T01:46:03.31426493Z",
"DockerVersion": "20.10.7",
"GraphDriver": {
  "Data": {
    "LowerDir": "/var/lib/docker/overlay2/2f131e6d43735389334b9be1cf76f95660ea46534e313500ddbeca1afd3d3dc/diff:/var/lib/docker/overlay2/69b83051a77c95d84fd6ec2d5d93b12040a47faa60a1d193390eef8e96baedff/diff:/var/lib/docker/overlay2/81a7d5c/diff:/var/lib/docker/overlay2/dde7c0b196b7e06b2ab7b440918844204a3b23ad031618f74689acbd8e72ed0/diff",
    "MergedDir": "/var/lib/docker/overlay2/043ba57514acba7f1c5133012853ed9f51280cfea210da98c626b553f43182f/merged",
    "UpperDir": "/var/lib/docker/overlay2/043ba57514acba7f1c5133012853ed9f51280cfea210da98c626b553f43182f/diff",
    "WorkDir": "/var/lib/docker/overlay2/043ba57514acba7f1c5133012853ed9f51280cfea210da98c626b553f43182f/work"
  },
  "Name": "overlay2"
},
"id": "sha256:ad17c88403e2cedd27963b98be7f04bd3f903dfa7490586de397d0404424936d",
"Metadata": {
  "LastTagTime": "0001-01-01T00:00:00Z"
},
"Os": "linux",
"Parent": "",
"RepoDigests": [
  "httpd@sha256:1d71eef54c09435c0be99877c00637f03112dc9f929fba3cccd15896099b02"
],
"RepoTags": [
  "httpd:latest"
],
"RootFS": {
  "Layers": [
    "sha256:e1bbcfc243d0e7897fbfe5116a485426f90d3ddeb0b1738dca4e3502b6743b325",
    "sha256:d1fa9a83a17ca27aed9c6f00895de04253c4a8b481b7d56494bffd0013e2d108",
    "sha256:5fd2cf4ae3b8043df1023e06620c6b9e523950ba005abeeda9b01542a3743de4",
    "sha256:205f5d3fcb98d0bb20afe98c4d2f259de343902878cef831c288ff4152cde74",
    "sha256:b1dcc93155ae800e379feca05841c8b6456f1f64d0d7c2b26c8eb3f438eb730d"
  ],
  "Type": "layers"
},
"Size": 143493915,
"VirtualSize": 143493915
}
}
}

TASK [Creating a Persistent Volume Dir] *****
ok: [node1]

TASK [Launching an HTTPD Container] *****
changed: [node1]

PLAY RECAP *****
node1          : ok=6   changed=2   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
```

ActivitiesPuTTY SSH ClientDec 1 10:51 AMroot@node1:~

```
n-2.7.5-90.el7.x86_64
--> Running transaction check
--> Package python-libs.x86_64 0:2.7.5-90.el7 will be updated
--> Package python-libs.x86_64 0:2.7.5-90.el7 will be an update
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Updating:
python x86_64 2.7.5-90.el7 updates 96 k
Updating for dependencies:
python-libs x86_64 2.7.5-90.el7 updates 5.6 M
=====

Transaction Summary
=====
Upgrade 1 Package (+1 Dependent package)

Total download size: 5.7 M
Downloading packages:
Delta RPMs disabled because /usr/bin/applydelta not installed.
(1/2): python-2.7.5-90.el7.x86_64.rpm | 96 kB 00:00
(2/2): python-libs-2.7.5-90.el7.x86_64.rpm | 5.6 MB 00:05
-----
Total 1.0 MB/s | 5.7 MB 00:05
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Updating : python-libs-2.7.5-90.el7.x86_64 1/4
Updating : python-2.7.5-90.el7.x86_64 2/4
Cleanup : python-2.7.5-90.el7.x86_64 3/4
Cleanup : python-libs-2.7.5-90.el7.x86_64 4/4
Verifying : python-2.7.5-90.el7.x86_64 1/4
Verifying : python-libs-2.7.5-90.el7.x86_64 2/4
Verifying : python-2.7.5-90.el7.x86_64 3/4
Verifying : python-libs-2.7.5-90.el7.x86_64 4/4

Updated:
python.x86_64 0:2.7.5-90.el7

Dependency Updated:
python-libs.x86_64 0:2.7.5-90.el7

Complete!
[root@node1 ~]# systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; vendor prese
t: disabled)
   Active: active (running) since Fri 2021-11-26 02:31:43 EST; 20h ago
     Docs: https://docs.docker.com
    Main PID: 21959 (dockerd)
      Memory: 34.0M
      CGroup: /system.slice/docker.service
              └─21959 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/cont...

Nov 26 02:31:43 node1 dockerd[21959]: time="2021-11-26T02:31:43.155680196-0...pc
Nov 26 02:31:43 node1 dockerd[21959]: time="2021-11-26T02:31:43.1556899083-0...pc
Nov 26 02:31:43 node1 dockerd[21959]: time="2021-11-26T02:31:43.194786888-0...s
Nov 26 02:31:43 node1 dockerd[21959]: time="2021-11-26T02:31:43.517682621-0...s
Nov 26 02:31:43 node1 dockerd[21959]: time="2021-11-26T02:31:43.531126279-0...9"
Nov 26 02:31:43 node1 dockerd[21959]: time="2021-11-26T02:31:43.663206412-0...s
Nov 26 02:31:43 node1 dockerd[21959]: time="2021-11-26T02:31:43.685483970-0...11
Nov 26 02:31:43 node1 dockerd[21959]: time="2021-11-26T02:31:43.685709836-0...n"
Nov 26 02:31:43 node1 systemd[1]: Started Docker Application Container Engine.
Nov 26 02:31:43 node1 dockerd[21959]: time="2021-11-26T02:31:43.705488729-0...k"
Hint: Some lines were ellipsized, use -l to show in full.
[root@node1 ~]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
0481c4c2822a httpd "httpd-foreground" 3 hours ago Up 3 hours 0.0.0.0
:8888->80/tcp apache-server
[root@node1 ~]# docker images
REPOSITORY Tag IMAGE ID CREATED SIZE
httpd latest ad17c88403e2 8 days ago 143MB
[root@node1 ~]#
```

```
Activities  PuTTY SSH Client  Dec 1 7:49 AM  root@master:/etc/docker

{"User": "",
"Volumes": null,
"WorkingDir": "/usr/local/apache2",
"Created": "2021-11-19T01:46:03.314264932Z",
"DockerVersion": "20.10.7",
"GraphDriver": {
  "Data": {
    "LowerDir": "/var/lib/docker/overlay2/2f131e6d43735399334b9be1cf76f95660ea48534e313500dd6eca1afd3d3dc/diff:/var/lib/docker/overlay2/69b83051a77c95d84fd6ec2d5d93b12040a47faa60a1d19330eef8e966aedff/diff:/var/lib/docker/overlay2/77500e8fc57278e95f608d95c48efd36b6673d1657600c56171d6880581a7d3c/diff:/var/lib/docker/overlay2/dde7c00b19b77e06b2eb7b4409188442d4a3b29ad031618f74699acbd8e72ed0/diff",
    "MergedDir": "/var/lib/docker/overlay2/043ba57514accba7f1c5133012853ed9f51280cfea210da98c626b553f43182f/merged",
    "UpperDir": "/var/lib/docker/overlay2/043ba57514accba7f1c5133012853ed9f51280cfea210da98c626b553f43182f/diff",
    "WorkDir": "/var/lib/docker/overlay2/043ba57514accba7f1c5133012853ed9f51280cfea210da98c626b553f43182f/work"
  },
  "Name": "overlay2"
},
{
  "Id": "sha256:ad17c88403e2cedd27963b98be7f04bd3f903dfa7490586de397d0404424936d",
  "Metadata": {
    "LastTagTime": "0001-01-01T00:00:00Z"
  },
  "Os": "linux",
  "Parent": "",
  "RepoDigests": [
    "httpd@sha256:1d71eef54c08435c0be99877c408637f03112dc9f929fba3ccdd15896099b02"
  ],
  "RepoTags": [
    "httpd:latest"
  ],
  "RootFS": {
    "Layers": [
      "sha256:e1bbcf243d0e7387fbfe5116a485426f90d3ddeb0b1738dca4e3502b6743b325",
      "sha256:d1fa9a83a17ca27aed9c5f00895de04253c4a9b481b7d56454bffd0013e2d108",
      "sha256:5fd2cf4ae3b8043df1023e06620c8b9e523950ba005abeeda9b01642a9743de4",
      "sha256:205f5d3fcb98d0bb20afe98c4d2f258de943802878cef631c288ff4162cde74",
      "sha256:b1dccc93195ae800e379feca05841c8b6456f1f64d0d7c2b26c8eb3f438eb730d"
    ],
    "Type": "layers"
  },
  "Size": 143493815,
  "VirtualSize": 143493815
}
}
}

TASK [Creating a Persistent Volume Dir] *****
ok: [node1]

TASK [Launching an HTTPD Container] *****
changed: [node1]

PLAY RECAP *****
node1 : ok=6  changed=2  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0

[root@master docker]# ansible-playbook dockerconf.yaml

PLAY [Docker Installation] *****

TASK [Gathering Facts] *****
ok: [node1]

TASK [Installing Docker Prerequisites] *****
[DEPRECATION WARNING]: 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: [node1] => (item=['yum-utils', 'device-mapper-persistent-data', 'lvm2'])

TASK [Configuring docker-ce repo] *****
ok: [node1]

TASK [Installing docker latest version] *****
ok: [node1]

TASK [Starting and Enabling docker service] *****
ok: [node1]

PLAY RECAP *****
node1 : ok=5  changed=0  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0

[root@master docker]#
```