Prometheus Installation:

Window 1 — Prometheus Server

Menu: Terminal Sessions View X server Tools Games Settings Macros Help

Toolbar: Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

You are sharing your entire screen. Stop Sharing

X server Exit

Quick connect...

/home/ec2-user/

Name
..
.ssh
.bash_logout
.bash_profile
.bashrc

Remote monitoring
Follow terminal folder

Tabs: 2. Prometheus Server | 3 Jenkins_server_new | 4 dj

```
Complete!
[root@ip-172-31-12-198 ec2-user]# systemctl docker start
Unknown operation 'docker'.
[root@ip-172-31-12-198 ec2-user]# systemctl start docker
[root@ip-172-31-12-198 ec2-user]# systemctl enable docker
Created symlink from /etc/systemd/system/multi-user.target.wants/docker.service to /usr/lib/systemd/system/docker.service.
[root@ip-172-31-12-198 ec2-user]# systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; vendor preset: disabled)
   Active: active (running) since Fri 2024-03-22 05:24:40 UTC; 19s ago
     Docs: https://docs.docker.com
 Main PID: 4513 (dockerd)
   CGroup: /system.slice/docker.service
           └─4513 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --default-ulimit nofile=32768:65536

Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal dockerd[4513]: time="2024-03-22T05:24:40.513875436Z" level=info...y2"
Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal dockerd[4513]: time="2024-03-22T05:24:40.517874085Z" level=warn...ht"
Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal dockerd[4513]: time="2024-03-22T05:24:40.517902179Z" level=warn...ce"
Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal dockerd[4513]: time="2024-03-22T05:24:40.518068780Z" level=info...t."
Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal dockerd[4513]: time="2024-03-22T05:24:40.610132672Z" level=info...ss"
Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal dockerd[4513]: time="2024-03-22T05:24:40.650723841Z" level=info...e."
Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal dockerd[4513]: time="2024-03-22T05:24:40.663959884Z" level=info...25
Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal dockerd[4513]: time="2024-03-22T05:24:40.664019451Z" level=info...on"
Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal systemd[1]: Started Docker Application Container Engine.
Mar 22 05:24:40 ip-172-31-12-198.us-east-2.compute.internal dockerd[4513]: time="2024-03-22T05:24:40.684963972Z" level=info...ck"
Hint: Some lines were ellipsized, use -l to show in full.
[root@ip-172-31-12-198 ec2-user]# mkdir prometheus
[root@ip-172-31-12-198 ec2-user]# cd prometheus/
[root@ip-172-31-12-198 prometheus]# ls
[root@ip-172-31-12-198 prometheus]# vi prometheus.yml
[root@ip-172-31-12-198 prometheus]# pwd
/home/ec2-user/prometheus
[root@ip-172-31-12-198 prometheus]# docker run -d -p 9090:9090 -v /home/ec2-user/prometheus:/etc/prometheus prom/prometheus
```

Window 2 — Prometheus Server

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X server Exit

Quick connect...

/home/ec2-user/

Name
..
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.bash_logout
.bash_profile
.bashrc

Remote monitoring
Follow terminal folder

Tabs: 2. Prometheus Server | 3 Jenkins_server_new | 4 dj

```
Hint: Some lines were ellipsized, use -l to show in full.
[root@ip-172-31-12-198 ec2-user]# mkdir prometheus
[root@ip-172-31-12-198 ec2-user]# cd prometheus/
[root@ip-172-31-12-198 prometheus]# ls
[root@ip-172-31-12-198 prometheus]# vi prometheus.yml
[root@ip-172-31-12-198 prometheus]# pwd
/home/ec2-user/prometheus
[root@ip-172-31-12-198 prometheus]# docker run -d -p 9090:9090 -v /home/ec2-user/prometheus:/etc/prometheus prom/prometheus
Unable to find image 'prom/prometheus:latest' locally
latest: Pulling from prom/prometheus
9fa9226be034: Pull complete
1617e25568b2: Pull complete
6023ee08d811: Pull complete
2b691bf7f991: Pull complete
2920c060ae8d: Pull complete
4b003b069552: Pull complete
0c45a15cfa05: Pull complete
989588be44d4: Pull complete
09c4b67e875b: Pull complete
485fa33d8772: Pull complete
158609c34028: Pull complete
e1ecd933bde0: Pull complete
Digest: sha256:5ccad477d0057e62a7cd1981ffcc43785ac10c5a35522dc207466ff7e7ec845f
Status: Downloaded newer image for prom/prometheus:latest
e83025b3b75bb54b472739c07ed6cd762d862fe825517e2f0e5f783805a4b18b
[root@ip-172-31-12-198 prometheus]# docker ps -a
CONTAINER ID   IMAGE             COMMAND                CREATED         STATUS         PORTS
      NAMES
e83025b3b75b   prom/prometheus   "/bin/prometheus --c…"  7 seconds ago   Up 4 seconds   0.0.0.0:9090->9090/tcp, :::9090->9090/tc
p     unruffled_keller
[root@ip-172-31-12-198 prometheus]# docker images
REPOSITORY        TAG      IMAGE ID        CREATED         SIZE
prom/prometheus   latest   1d3b7f56885b    2 days ago      262MB
```

3.149.246.203:9090/targets

Prometheus   Alerts   Graph   Status ▾   Help

Targets

All scrape pools ▾   All   Unheal...   ...by endpoint or labels   ☑ Unknown ☑ Unhealthy ☑ Healthy
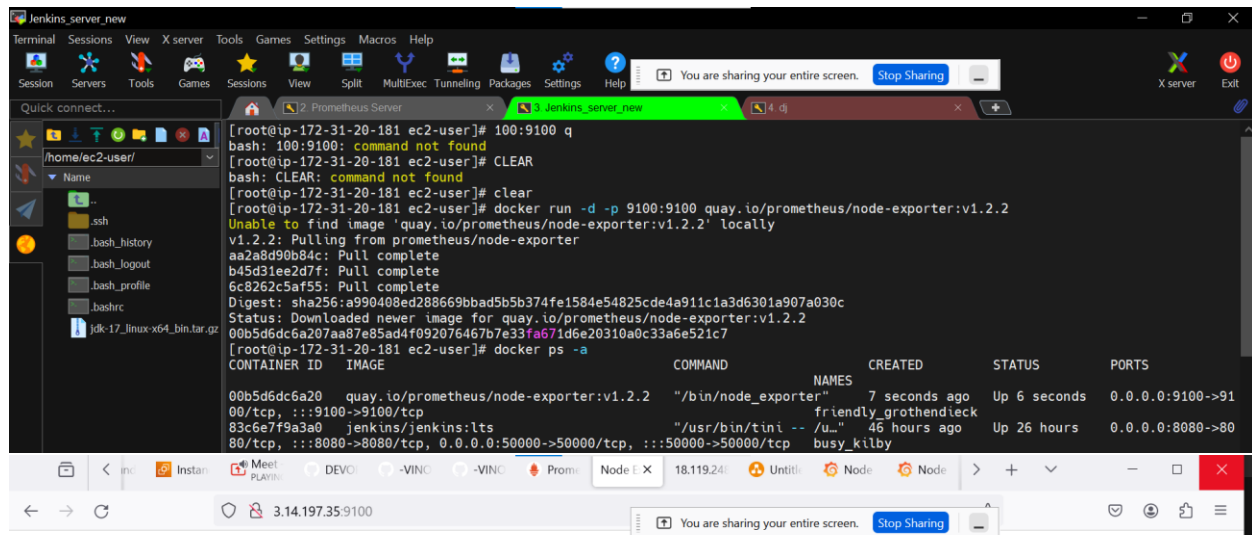
Runtime & Build Information
TSDB Status
Command-Line Flags
Configuration
Rules
Targets
Service Discovery

Docker-jenkins (0/1 up) show more

jenkins (1/1 up) show more

prometheus (1/1 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus"	45m 13s ago	6.046ms	

3.149.246.203:9090/targets

Slave Installation:

Adding Slave Servers with Prometheus Server:

Prometheus

Alerts Graph Status ▾ Help

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://18.119.248.107:9100/metrics	DOWN	instance="18.119.248.107:9100" job="Docker-jenkins" ▾	53m 5s ago	1.385ms	Get "http://18.119.248.107:9100/metrics": dial tcp 18.119.248.107:9100: connect: connection refused

jenkins (1/1 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://3.14.197.35:9100/metrics	UP	instance="3.14.197.35:9100" job="jenkins" ▾	53m 8s ago	18.658ms	

prometheus (1/1 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus" ▾	53m 2s ago	6.046ms	