**PROMETHEUS ERROR WORKOUTS**

1.) when you try to start the server with the following command {$ ./prometheus --config.file=prometheus.yml}, you might face the

below error:-

"prometheus server Opening storage failed open DB in data/: Locked by other process"

**Solution:-**

Run the below command:-

./prometheus --config.file=prometheus.yml --storage.tsdb.no-lockfile

2. Sometimes you may face the below issue when you try to run the prometheus server using the ./prometheus command

`Error starting web server: listen tcp 0.0.0.0:9090: bind: address already in use`

**Solution:**

[root@ip-172-30-0-236 prometheus-2.2.0.linux-amd64]# ./prometheus --config.file=prometheus.yml --storage.tsdb.no-lockfile

level=info ts=2018-03-10T18:03:34.942620288Z caller=main.go:220 msg="Starting Prometheus" version="(version=2.2.0, branch=HEAD, revision=f63e7db4cbdb616337ca877b306b9b96f7f4e381)"

level=info ts=2018-03-10T18:03:34.94275125Z caller=main.go:221 build\_context="(go=go1.10, user=root@52af9f66ce71, date=20180308-16:40:42)"

level=info ts=2018-03-10T18:03:34.942828893Z caller=main.go:222 host\_details="(Linux 4.9.76-3.78.amzn1.x86\_64 #1 SMP Fri Jan 12 19:51:35 UTC 2018 x86\_64 ip-172-30-0-236 (none))"

level=info ts=2018-03-10T18:03:34.942891645Z caller=main.go:223 fd\_limits="(soft=1024, hard=4096)"

level=info ts=2018-03-10T18:03:34.946185961Z caller=main.go:504 msg="Starting TSDB ..."

level=info ts=2018-03-10T18:03:34.981076656Z caller=web.go:382 component=web msg="Start listening for connections" address=0.0.0.0:9090

level=info ts=2018-03-10T18:03:34.981288402Z caller=main.go:398 msg="Stopping scrape discovery manager..."

level=info ts=2018-03-10T18:03:34.981357993Z caller=main.go:411 msg="Stopping notify discovery manager..."

level=info ts=2018-03-10T18:03:34.981421845Z caller=main.go:432 msg="Stopping scrape manager..."

level=info ts=2018-03-10T18:03:34.981481656Z caller=manager.go:460 component="rule manager" msg="Stopping rule manager..."

level=info ts=2018-03-10T18:03:34.981529948Z caller=manager.go:466 component="rule manager" msg="Rule manager stopped"

level=info ts=2018-03-10T18:03:34.98156564Z caller=notifier.go:512 component=notifier msg="Stopping notification manager..."

level=info ts=2018-03-10T18:03:34.990514298Z caller=main.go:394 msg="Scrape discovery manager stopped"

level=info ts=2018-03-10T18:03:34.990575755Z caller=main.go:407 msg="Notify discovery manager stopped"

level=info ts=2018-03-10T18:03:34.990616355Z caller=main.go:426 msg="Scrape manager stopped"

level=info ts=2018-03-10T18:03:34.990663646Z caller=main.go:573 msg="Notifier manager stopped"

level=info ts=2018-03-10T18:03:34.990963224Z caller=main.go:514 msg="TSDB started"

level=error ts=2018-03-10T18:03:34.990999962Z caller=main.go:582 err="Error starting web server: listen tcp 0.0.0.0:9090: bind: address already in use"

level=info ts=2018-03-10T18:03:34.991087432Z caller=main.go:584 msg="See you next time!"

[root@ip-172-30-0-236 prometheus-2.2.0.linux-amd64]# ls

console\_libraries consoles data LICENSE NOTICE prometheus prometheus.yml prometheus.yml-orig promtool

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console\_libraries consoles data LICENSE NOTICE prometheus prometheus.yml prometheus.yml-orig promtool

[root@ip-172-30-0-236 prometheus-2.2.0.linux-amd64]# lsof -i :9090

COMMAND PID USER FD TYPE DEVICE SIZE/OFF NODE NAME

prometheu 3860 root 5u IPv6 1322647 0t0 TCP \*:websm (LISTEN)

prometheu 3860 root 6u IPv4 1322649 0t0 TCP localhost:47434->localhost:websm (ESTABLISHED)

prometheu 3860 root 7u IPv6 1322650 0t0 TCP localhost:websm->localhost:47434 (ESTABLISHED)

prometheu 3860 root 8u IPv4 1366718 0t0 TCP 172.30.0.236:57090->ec2-107-20-11-87.compute-1.amazonaws.com:websm (SYN\_SENT)

[root@ip-172-30-0-236 prometheus-2.2.0.linux-amd64]# kill -9 3860

[root@ip-172-30-0-236 prometheus-2.2.0.linux-amd64]# kill -9 5787

[root@ip-172-30-0-236 prometheus-2.2.0.linux-amd64]# lsof -i :9090

[root@ip-172-30-0-236 prometheus-2.2.0.linux-amd64]# ./prometheus --config.file=prometheus.yml

level=info ts=2018-03-10T18:08:17.744707303Z caller=main.go:220 msg="Starting Prometheus" version="(version=2.2.0, branch=HEAD, revision=f63e7db4cbdb616337ca877b306b9b96f7f4e381)"

level=info ts=2018-03-10T18:08:17.744825682Z caller=main.go:221 build\_context="(go=go1.10, user=root@52af9f66ce71, date=20180308-16:40:42)"

level=info ts=2018-03-10T18:08:17.744896142Z caller=main.go:222 host\_details="(Linux 4.9.76-3.78.amzn1.x86\_64 #1 SMP Fri Jan 12 19:51:35 UTC 2018 x86\_64 ip-172-30-0-236 (none))"

level=info ts=2018-03-10T18:08:17.744951514Z caller=main.go:223 fd\_limits="(soft=1024, hard=4096)"

level=info ts=2018-03-10T18:08:17.748175488Z caller=main.go:504 msg="Starting TSDB ..."

level=info ts=2018-03-10T18:08:17.74897547Z caller=web.go:382 component=web msg="Start listening for connections" address=0.0.0.0:9090

level=info ts=2018-03-10T18:08:17.790904706Z caller=main.go:514 msg="TSDB started"

level=info ts=2018-03-10T18:08:17.79102573Z caller=main.go:588 msg="Loading configuration file" filename=prometheus.yml

level=info ts=2018-03-10T18:08:17.791856827Z caller=main.go:491 msg="Server is ready to receive web requests."