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| 1)Install Node Exporter on your server that your monitoring |  |
|  | cd /opt |
|  | sudo wget https://github.com/prometheus/node\_exporter/releases/download/v1.3.1/node\_exporter-1.3.1.linux-amd64.tar.gz |
|  | tar xf node\_exporter-1.3.1.linux-amd64.tar.gz |
|  | cd node\_exporter-1.3.1.linux-amd64/ |
|  | ./node\_exporter |
|  | #Now check on browser by NodeExporterIP:9100 |
|  | #Now we add our prometheus in systemd service |
|  | sudo useradd --no-create-home --shell /bin/false node\_exporter |
|  | sudo cp node\_exporter /usr/local/bin |
|  | cd /lib/systemd/system |
|  | sudo nano node\_exporter.service |
|  | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | [Unit] |
|  | Description=Node Exporter |
|  | After=network.target |
|  |  |
|  | [Service] |
|  | User=node\_exporter |
|  | Group=node\_exporter |
|  | Type=simple |
|  | ExecStart=/usr/local/bin/node\_exporter |
|  |  |
|  | [Install] |
|  | WantedBy=multi-user.target |
|  | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | sudo systemctl daemon-reload |
|  | sudo systemctl enable node\_exporter |
|  | sudo systemctl start node\_exporter |
|  | sudo systemctl status node\_exporter |
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|  | 2)Install Prometheus on a new server(Monitoring server) |
|  | sudo apt update |
|  | cd /opt |
|  | sudo wget https://github.com/prometheus/prometheus/releases/download/v2.32.0/prometheus-2.32.0.linux-amd64.tar.gz |
|  | sudo tar xf prometheus-2.32.0.linux-amd64.tar.gz |
|  | cd prometheus-2.32.0.linux-amd64/ |
|  | l73 |
|  | sudo nano prometheus.yml |
|  | #\*\*\*\*\*\*Open prometheus.yml file and add targets like below\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | static\_configs: |
|  | - targets: ["localhost:9090",10.0.1.10:9100] |
|  | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | #and Run manually your prometheus server |
|  | sudo ./prometheus |
|  | #Now add your prometheus in systemd service |
|  | sudo useradd --no-create-home --shell /bin/false prometheus |
|  | sudo mkdir /etc/prometheus |
|  | sudo mkdir /var/lib/prometheus |
|  | sudo chown prometheus:prometheus /etc/prometheus |
|  | sudo chown prometheus:prometheus /var/lib/prometheus |
|  | sudo cp prometheus /usr/local/bin/ |
|  | sudo cp promtool /usr/local/bin/ |
|  | sudo chown prometheus:prometheus /usr/local/bin/prometheus |
|  | sudo chown prometheus:prometheus /usr/local/bin/promtool |
|  | sudo cp -r /opt/prometheus-2.32.0.linux-amd64/consoles /etc/prometheus |
|  | sudo cp -r /opt/prometheus-2.32.0.linux-amd64/console\_libraries /etc/prometheus |
|  | sudo cp -r /opt/prometheus-2.32.0.linux-amd64/prometheus.yml /etc/prometheus |
|  | sudo chown -R prometheus:prometheus /etc/prometheus/consoles |
|  | sudo chown -R prometheus:prometheus /etc/prometheus/console\_libraries |
|  | sudo chown -R prometheus:prometheus /etc/prometheus/prometheus.yml |
|  | prometheus --version |
|  | promtool --version |
|  | #Copy the below whole command for creating systemd |
|  | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | sudo -u prometheus /usr/local/bin/prometheus \ |
|  | --config.file /etc/prometheus/prometheus.yml \ |
|  | --storage.tsdb.path /var/lib/prometheus/ \ |
|  | --web.console.templates=/etc/prometheus/consoles \ |
|  | --web.console.libraries=/etc/prometheus/console\_libraries |
|  | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | sudo nano /etc/systemd/system/prometheus.services |
|  | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*prometheus.service\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | [Unit] |
|  | Description=Prometheus |
|  | Wants=network-online.target |
|  | After=network-online.target |
|  | [Service] |
|  | User=prometheus |
|  | Group=prometheus |
|  | Type=simple |
|  | ExecStart=/usr/local/bin/prometheus \ |
|  | --config.file /etc/prometheus/prometheus.yml \ |
|  | --storage.tsdb.path /var/lib/prometheus/ \ |
|  | --web.console.templates=/etc/prometheus/consoles \ |
|  | --web.console.libraries=/etc/prometheus/console\_libraries |
|  | Restart=always |
|  | RestartSec=10s |
|  | [Install] |
|  | WantedBy=multi-user.target |
|  | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | sudo systemctl daemon-reload |
|  | sudo systemctl start prometheus |
|  | sudo systemctl enable prometheus |
|  | sudo systemctl status prometheus |
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|  | 3)Install grafana on new server |
|  | wget -q -O - https://packages.grafana.com/gpg.key | sudo apt-key add - |
|  | sudo add-apt-repository "deb https://packages.grafana.com/oss/deb stable main" |
|  | sudo apt update -y |
|  | apt-cache policy grafana |
|  | sudo apt install grafana |
|  | sudo systemctl start grafana-server |
|  | sudo systemctl status grafana-server |
|  | sudo systemctl enable grafana-server |
|  | #Now open grafana dashborad by GrafanaIP:3000 on browser and give |
|  | username: admin |
|  | password: admin |
|  | #Now add data resources in grafana in that give |
|  | URL: http://10.0.2.55:9090 |
|  | save and test |
|  | #Now click on'+' and import and give in that |
|  | 1860 |
|  | Now load it |
|  | Links:- <https://prometheus.io/docs/introduction/overview/>  https://www.howtoforge.com/tutorial/monitor-ubuntu-server-with-prometheus/ |