Install Node Exporter

As your Prometheus is only capable of collecting metrics, we want to extend its capabilities by addingNode Exporter , a tool that collects information about the system includingCPU, disk, and memory usage and exposes them for scraping.

Download the latest version of Node Exporter:

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```

Copy wget https://github.com/prometheus/node_exporter/releases/download/v1.2.2/node_exporter-1.2.2.linux-amd64.tar.gz

```
```

Unpack the downloaded archive. This will create a directorynode_exporter-1.2.2.linux-amd64 , containing the executable, a readme and license file:

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Copy tar xvf node_exporter-1.2.2.linux-amd64.tar.gz

```
```

Copy the binary file into the directory/usr/local/bin and set the ownership to the user you have created in step previously:

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```

Copy sudo cp node_exporter-1.2.2.linux-amd64/node_exporter /usr/local/bin sudo chown node_exporter:node_exporter /usr/local/bin/node_exporter

```
```

Remove the leftover files of Node Exporter, as they are not needed any longer:

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```

Copy rm -rf node_exporter-0.16.0.linux-amd64.tar.gz node_exporter-0.16.0.linux-amd64

```
```

To run Node Exporter automatically on each boot, a Systemd service file is required. Create the following file by opening it in Nano:

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```

Copy sudo nano /etc/systemd/system/node_exporter.service

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```

Copy the following information in the service file, save it and exit Nano:

```
```

Copy [Unit] Description=Node Exporter Wants=network-online.target After=network-online.target

[Service] User=node_exporter Group=node_exporter Type=simple ExecStart=/usr/local/bin/node_exporter

[Install] WantedBy=multi-user.target

```
```

Collectors are used to gather information about the system. By default a set of collectors is activated. You can see the details about the set in theREADME-file . If you want to use a specific set of collectors, you can define them in theExecStart section of the service. Collectors are enabled by providing a--collector. flag. Collectors that are enabled by default can be disabled by providing a--no-collector. flag.

Reload Systemd to use the newly defined service:

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```

Copy sudo systemctl daemon-reload

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```

Run Node Exporter by typing the following command:

```
Copy sudo systemctl start node_exporter
```

Verify that the software has been started successfully:

```
Copy sudo systemctl status node_exporter
```

You will see an output like this, showing you the statusactive (running) as well as the main PID of the application:

```
Copy ● node_exporter.service - Node Exporter Loaded: loaded (/etc/systemd/system/node_exporter.service; disabled; vendor preset: enabled) Active: active (running) since Mon 2018-06-25 11:47:06 UTC; 4s ago Main PID: 1719 (node_exporter) CGroup: /system.slice/node_exporter.service └─1719 /usr/local/bin/node_exporter
```

If everything is working, enable Node Exporter to be started on each boot of the server:

```
Copy sudo systemctl enable node_exporter
```