

Installation node exporter

[supervision](#), [Prometheus](#), [node-exporter](#)

Nous créons le compte prometheus

```
sudo useradd -M -r -s /bin/false prometheus
```

Nous téléchargeons le binaire depuis le site prometheus.io

```
wget
https://github.com/prometheus/node_exporter/releases/download/v1.1.2/node_exporter-1.1.2.linux-amd64.tar.gz
```

Nous décompressons l'archive et plaçons le binaire dans /etc/local/bin

```
tar xzf node_exporter-1.1.2.linux-amd64.tar.gz
sudo chown -v prometheus: node_exporter-1.1.2.linux-amd64/node_exporter
sudo mv node_exporter /usr/local/bin/
```

Nous créons le fichier d'arguments

```
/etc/default/prometheus-node-exporter
```

Nous y ajoutons le contenu suivant

```
# Set the command-line arguments to pass to the server.
# Due to shell scaping, to pass backslashes for regexes, you need to double
# them (\\d for \d). If running under systemd, you need to double them again
# (\\\\d to mean \d), and escape newlines too.
ARGS=""

# Prometheus-node-exporter supports the following options:
#
# --collector.diskstats.ignored-devices="^(ram|loop|fd|(h|s|v|xv)d[a-z]|nvme\\d+n\\d+p)\\d+$"
#                                     Regexp of devices to ignore for diskstats.
# --collector.filesystem.ignored-mount-
points="^(/dev|proc|run|sys|mnt|media|var/lib/docker)($|/)"
#                                     Regexp of mount points to ignore for filesystem
#                                     collector.
# --collector.filesystem.ignored-fs-
types="^(autofs|binfmt_misc|cgroup|configfs|debugfs|devpts|devtmpfs|fusectl|
hugetlbfs|mqueue|overlay|proc|procfs|pstore|rpc_pipefs|securityfs|sysfs|trac
efs)$"
#                                     Regexp of filesystem types to ignore for
#                                     filesystem collector.
# --collector.netdev.ignored-devices="^lo$"
#                                     Regexp of net devices to ignore for netdev
```

```
# collector.
# --
collector.netstat.fields="^(.*_(InErrors|InErrs)|Ip_Forwarding|Ip(6|Ext)_(In
Octets|OutOctets)|Icmp6?_(InMsgs|OutMsgs)|TcpExt_(Listen.*|Syncookies.*)|Tcp
_(ActiveOpens|PassiveOpens|RetransSegs|CurrEstab)|Udp6?_(InDatagrams|OutData
grams|NoPorts))$"
# Regexp of fields to return for netstat
# collector.
# --collector.ntp.server="127.0.0.1"
# NTP server to use for ntp collector
# --collector.ntp.protocol-version=4
# NTP protocol version
# --collector.ntp.server-is-local
# Certify that collector.ntp.server address is
the
# same local host as this collector.
# --collector.ntp.ip-ttl=1 IP TTL to use while sending NTP query
# --collector.ntp.max-distance=3.46608s
# Max accumulated distance to the root
# --collector.ntp.local-offset-tolerance=1ms
# Offset between local clock and local ntpd time
# to tolerate
# --path.procfs="/proc" procfs mountpoint.
# --path.sysfs="/sys" sysfs mountpoint.
# --collector.qdisc.fixtures=""
# test fixtures to use for qdisc collector
# end-to-end testing
# --collector.runit.servicedir="/etc/service"
# Path to runit service directory.
# --collector.supervisord.url="http://localhost:9001/RPC2"
# XML RPC endpoint.
# --collector.systemd.unit-whitelist=".*"
# Regexp of systemd units to whitelist. Units
must
# both match whitelist and not match blacklist to
# be included.
# --collector.systemd.unit-
blacklist=".*(\\\.device|\\\.scope|\\\.slice|\\\.target)"
# Regexp of systemd units to blacklist. Units
must
# both match whitelist and not match blacklist to
# be included.
# --collector.systemd.private
# Establish a private, direct connection to
# systemd without dbus.
# --collector.textfile.directory="/var/lib/prometheus/node-exporter"
# Directory to read text files with metrics from.
# --collector.vmstat.fields="^(oom_kill|pgpg|pswp|pg.*fault).*"
# Regexp of fields to return for vmstat
collector.
```

```
# --collector.wifi.fixtures=""
#
# test fixtures to use for wifi collector metrics
# --collector.arp Enable the arp collector (default: enabled).
# --collector.bcachecache Enable the bcachecache collector (default: enabled).
# --collector.bonding Enable the bonding collector (default:
enabled).
# --collector.buddyinfo Enable the buddyinfo collector (default:
# disabled).
# --collector.conntrack Enable the conntrack collector (default:
# enabled).
# --collector.cpu Enable the cpu collector (default: enabled).
# --collector.diskstats Enable the diskstats collector (default:
# enabled).
# --collector.drbd Enable the drbd collector (default: disabled).
# --collector.edac Enable the edac collector (default: enabled).
# --collector.entropy Enable the entropy collector (default:
enabled).
# --collector.filefd Enable the filefd collector (default: enabled).
# --collector.filesystem Enable the filesystem collector (default:
# enabled).
# --collector.hwmon Enable the hwmon collector (default: enabled).
# --collector.infiniband Enable the infiniband collector (default:
# enabled).
# --collector.interrupts Enable the interrupts collector (default:
# disabled).
# --collector.ipvs Enable the ipvs collector (default: enabled).
# --collector.ksmd Enable the ksmd collector (default: disabled).
# --collector.loadavg Enable the loadavg collector (default:
enabled).
# --collector.logind Enable the logind collector (default:
disabled).
# --collector.mdadm Enable the mdadm collector (default: enabled).
# --collector.meminfo Enable the meminfo collector (default:
enabled).
# --collector.meminfo_numa Enable the meminfo_numa collector (default:
# disabled).
# --collector.mountstats Enable the mountstats collector (default:
# disabled).
# --collector.netdev Enable the netdev collector (default: enabled).
# --collector.netstat Enable the netstat collector (default:
enabled).
# --collector.nfs Enable the nfs collector (default: enabled).
# --collector.nfsd Enable the nfsd collector (default: enabled).
# --collector.ntp Enable the ntp collector (default: disabled).
# --collector.qdisc Enable the qdisc collector (default: disabled).
# --collector.runit Enable the runit collector (default: disabled).
# --collector.sockstat Enable the sockstat collector (default:
# enabled).
# --collector.stat Enable the stat collector (default: enabled).
# --collector.supervisord Enable the supervisord collector (default:
# disabled).
```

```
# --collector.systemd      Enable the systemd collector (default:
enabled).
# --collector.tcpstat     Enable the tcpstat collector (default:
#                          disabled).
# --collector.textfile    Enable the textfile collector (default:
#                          enabled).
# --collector.time        Enable the time collector (default: enabled).
# --collector.uname       Enable the uname collector (default: enabled).
# --collector.vmstat      Enable the vmstat collector (default: enabled).
# --collector.wifi        Enable the wifi collector (default: enabled).
# --collector.xfs         Enable the xfs collector (default: enabled).
# --collector.zfs         Enable the zfs collector (default: enabled).
# --collector.timex       Enable the timex collector (default: enabled).
# --web.listen-address=":9100"
#                          Address on which to expose metrics and web
#                          interface.
# --web.telemetry-path="/metrics"
#                          Path under which to expose metrics.
# --log.level="info"      Only log messages with the given severity or
#                          above. Valid levels: [debug, info, warn, error,
#                          fatal]
# --log.format="logger:stderr"
#                          Set the log target and format. Example:
#                          "logger:syslog?appname=bob&local=7" or
#                          "logger:stdout?json=true"
```

Nous créons le fichier systemd

```
sudo vi /etc/systemd/system/prometheus-node-exporter.service
```

Nous y ajoutons le contenu suivant

```
[Unit]
Description=Prometheus exporter for machine metrics
Documentation=https://github.com/prometheus/node_exporter

[Service]
Restart=always
User=prometheus
EnvironmentFile=/etc/default/prometheus-node-exporter
ExecStart=/usr/local/bin/node_exporter $ARGS
ExecReload=/bin/kill -HUP $MAINPID
TimeoutStopSec=20s
SendSIGKILL=no

[Install]
WantedBy=multi-user.target
```

Nous rechargeons la configuration du démon systemd

```
sudo systemctl daemon-reload
```

Nous activons et lançons le service

```
sudo systemctl enable --now prometheus-node-exporter
```

Pour s'assurer qu'il fonctionne bien, saisissez dans votre navigateur

```
http://monserveur:9100/metrics
```

Liens

[page de téléchargement sur le site prometheus.io](#)

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