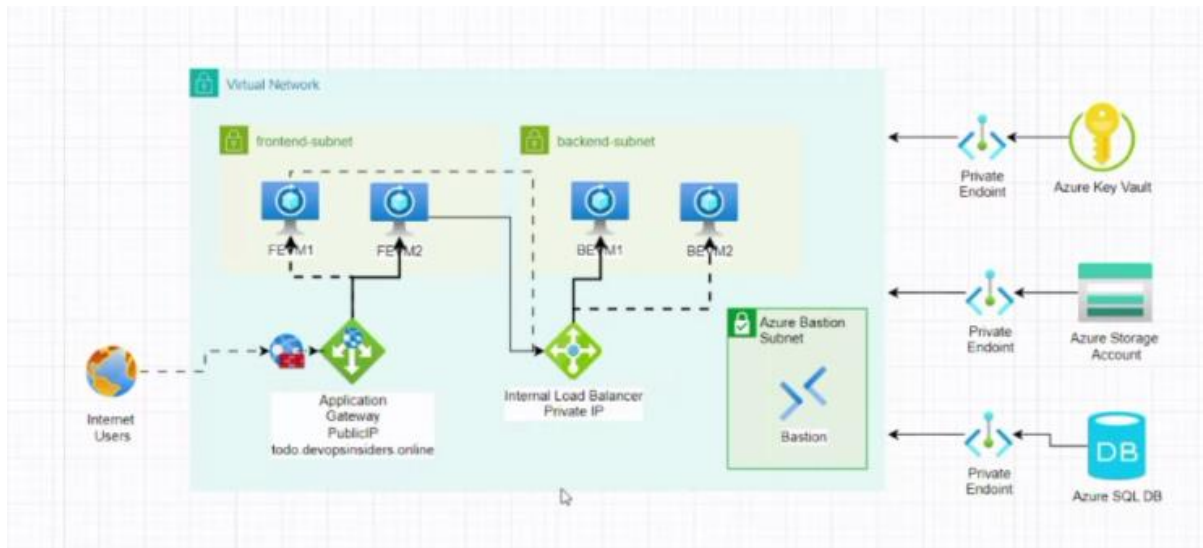


## PROMETHEUS AND GRAFANA

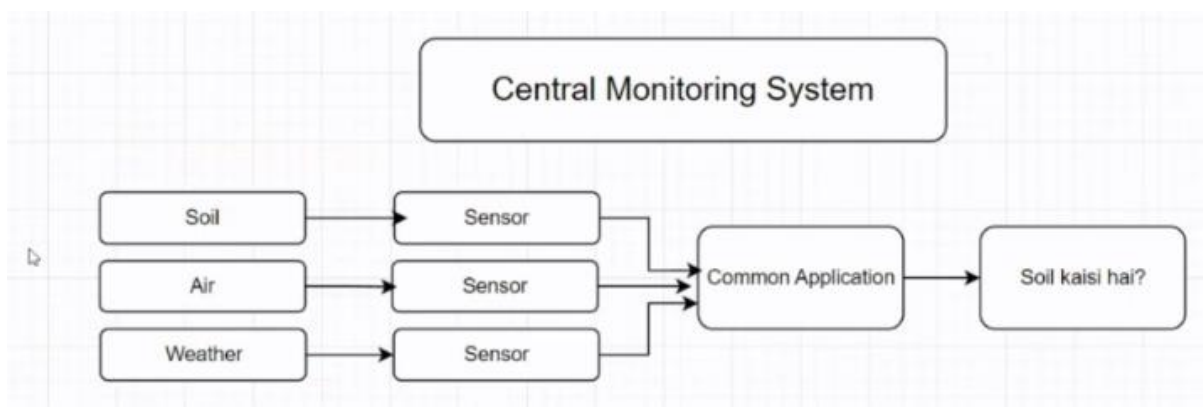
1)

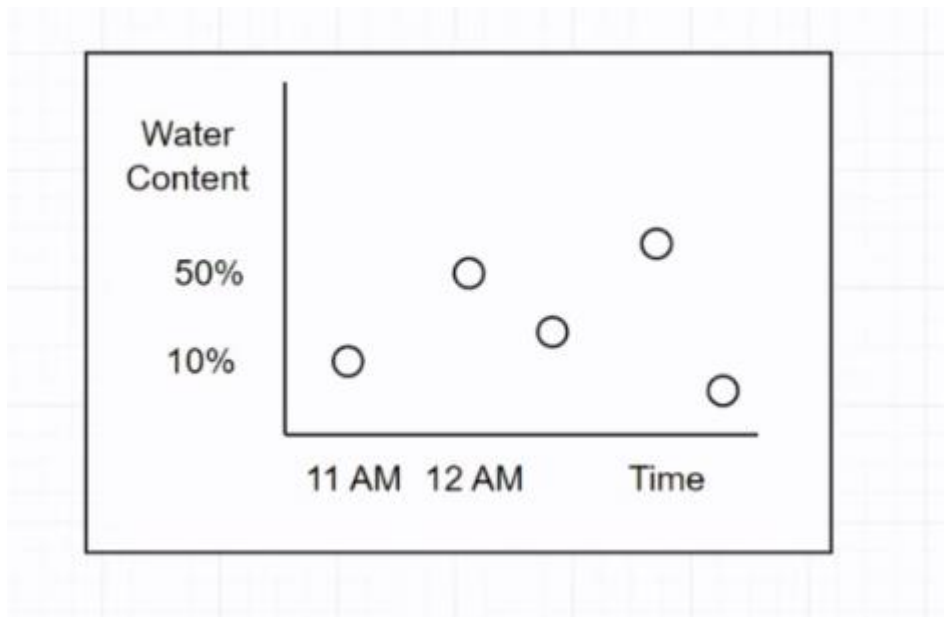


2) Internal loadbalancer is that which has private IP assigned to it.

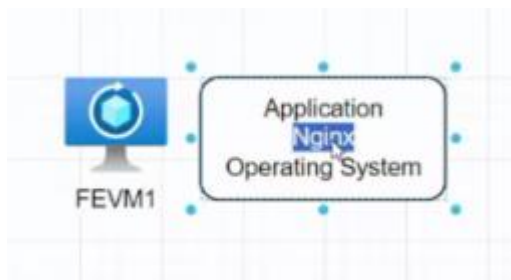
3) Frontend VMs will not directly communicate to backend VMs, they actually always communicate via Internal Load balancer, which is fitted in backend subnet.

4)

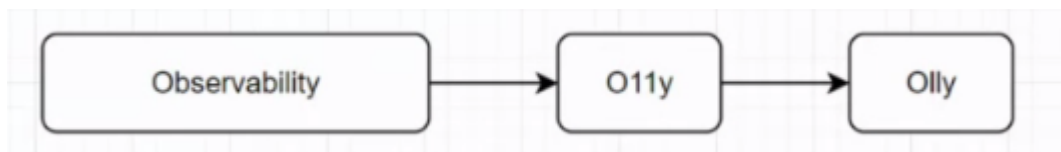




5)



6)



7) To monitor logs of every component in azure, we have “diagnostic settings” option

8) We can send our logs to different places as shown below

Save Discard Delete Feedback

A diagnostic setting specifies a list of categories of platform logs and/or metrics that you want to collect from a resource, and one or more destinations that you would stream them to. Normal usage charges for the destination will occur. [Learn more about the different log categories and contents of those logs](#)

Diagnostic setting name \*

**Logs**

Category groups ⓘ

☒ allLogs

---

Categories

☒ Load Balancer Health Event

**Destination details**

☐ Send to Log Analytics workspace

☐ Archive to a storage account

☐ Stream to an event hub

☐ Send to partner solution

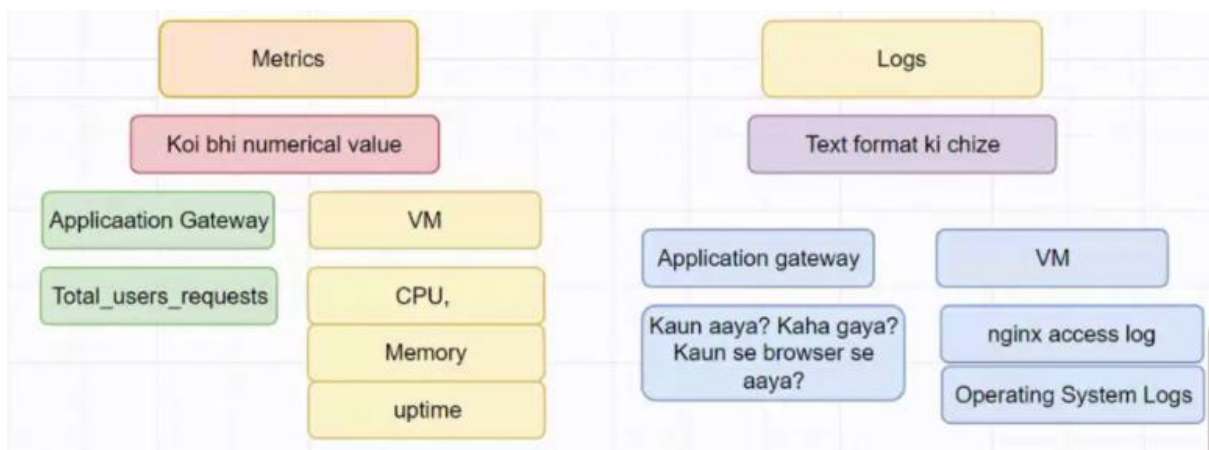
**Metrics**

☒ AllMetrics

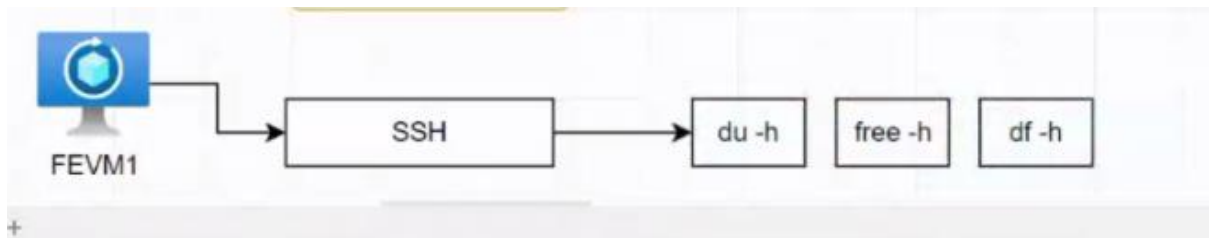
9) We monitors



10)



11) Now we are looking for VM monitoring



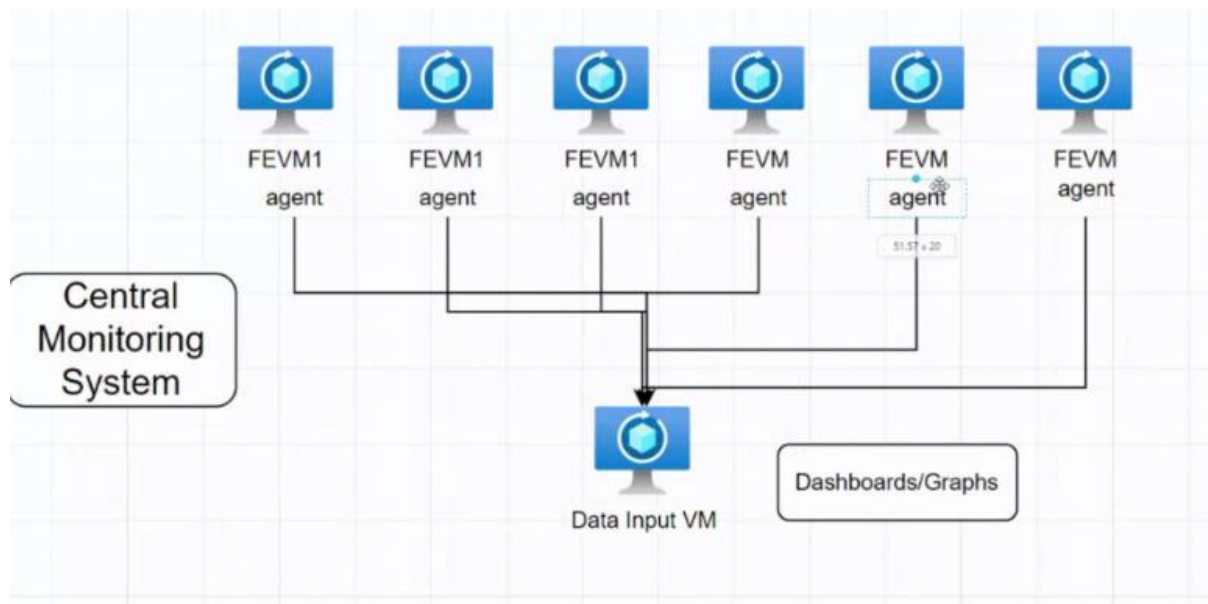
12) The log is made inside file



13)



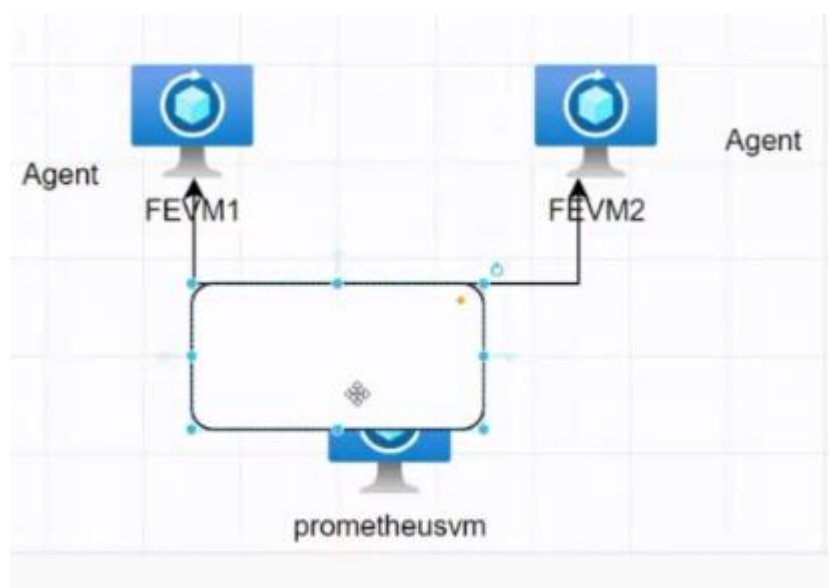
14)



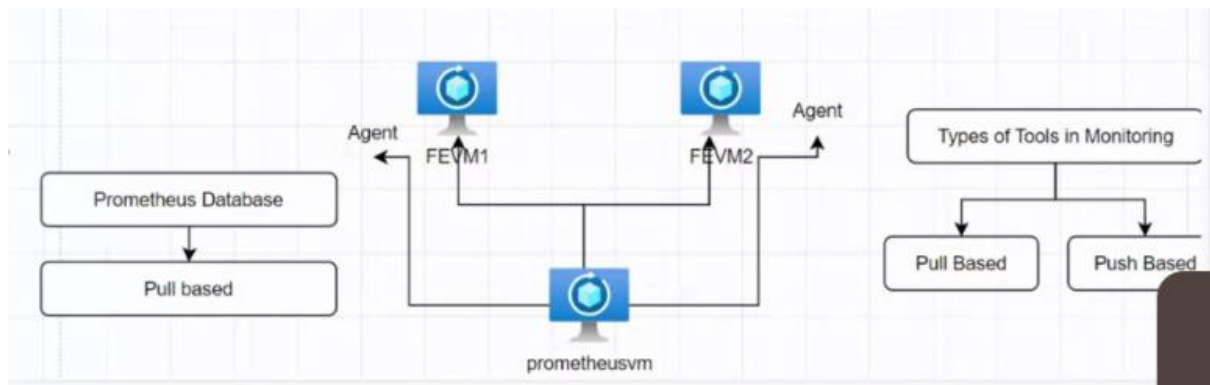
15)



16)



17) In this Prometheus server will go to agent and then it will ask for data i.e. pull based. If agent itself goes to Prometheus server, then it will be push based.



+++++

## AGENDA – Create 2 VMs and 1 Prometheus VM

1) Now creating 2 Vms

**VMPRO1** and **VMPRO2** and **VMCMSPRO** (Central monitoring system)

**UN - azureuser**

**PW - Mommy7Daddy!**

2) We are making a kind of setup that will be open source and by making 1 computer we will be able to do everything on it.

3) So basically we have to monitor vm1 and vm2 by using our central monitor computer or vm (vmcmspro)

4) SEARCH PROMETHEUS URL - [https://prometheus.io/docs/prometheus/latest/getting\\_started/](https://prometheus.io/docs/prometheus/latest/getting_started/)

5) Now ssh to **VMCMSPRO** (Central monitoring system)

6) **wget** <https://github.com/prometheus/prometheus/releases/download/v2.54.1/prometheus-2.54.1.linux-amd64.tar.gz>

# prometheus

The Prometheus monitoring system and time series database. [prometheus/prometheus](#)

<b>3.0.0-beta.0 / 2024-09-05</b> <span>Pre-release</span> <a href="#">Release notes</a>			
File name	OS	Arch	Size
<a href="#">prometheus-3.0.0-beta.0.darwin-amd64.tar.gz</a>	darwin	amd64	107.89 Mi
<a href="#">prometheus-3.0.0-beta.0.linux-amd64.tar.gz</a>	linux	amd64	107.28 Mi
<a href="#">prometheus-3.0.0-beta.0.windows-amd64.zip</a>	windows	amd64	109.82 Mi
<b>2.54.1 / 2024-08-27</b> <a href="#">Release notes</a>			
File name	OS	Arch	Size
<a href="#">prometheus-2.54.1.darwin-amd64.tar.gz</a>	darwin	amd64	101.25 Mi
<a href="#">prometheus-2.54.1.linux-amd64.tar.gz</a>	linux	amd64	100.79 Mi
<a href="#">prometheus-2.54.1.windows-amd64.zip</a>	windows	amd64	103.06 Mi
<b>2.53.2 / 2024-08-09</b> <span>LTS</span> <a href="#">Release notes</a>			
File name	OS	Arch	Size
<a href="#">prometheus-2.53.2.darwin-amd64.tar.gz</a>	darwin	amd64	99.83 Mi

```
azureuser@vmcsp:~$ wget https://github.com/prometheus/prometheus/releases/download/v2.54.1/prometheus-2.54.1.linux-amd64.tar.gz
--2024-09-27 07:23:02-- https://github.com/prometheus/prometheus/releases/download/v2.54.1/prometheus-2.54.1.linux-amd64.tar.gz
Resolving github.com (github.com)... 140.82.121.3
Connecting to github.com (github.com)[140.82.121.3]:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/6838921/84e495b6-6719-4ec2-b374-4f31fac8dd23?X-Amz-Algorithm=AWS4-HMAC-SHA256
```

```
2024-09-27 07:23:03 (196 MB/s) - 'prometheus-2.54.1.linux-amd64.tar.gz' saved [105689699/105689699]

azureuser@vmcsp:~$ ls
prometheus-2.54.1.linux-amd64.tar.gz
azureuser@vmcsp:~$
```

7) Now extract that downloaded file

**tar xvfz prometheus-2.54.1.linux-amd64.tar.gz**

```

prometheus-2.54.1.linux-amd64.tar.gz
azureuser@vmcmspro:~$ tar xvfz prometheus-2.54.1.linux-amd64.tar.gz
prometheus-2.54.1.linux-amd64/
prometheus-2.54.1.linux-amd64/NOTICE
prometheus-2.54.1.linux-amd64/LICENSE
prometheus-2.54.1.linux-amd64/prometheus.yml
prometheus-2.54.1.linux-amd64/prometheus
prometheus-2.54.1.linux-amd64/console/
prometheus-2.54.1.linux-amd64/console/prometheus-overview.html
prometheus-2.54.1.linux-amd64/console/node-overview.html
prometheus-2.54.1.linux-amd64/console/index.html.example
prometheus-2.54.1.linux-amd64/console/node.html
prometheus-2.54.1.linux-amd64/console/node-disk.html
prometheus-2.54.1.linux-amd64/console/prometheus.html
prometheus-2.54.1.linux-amd64/console/node-cpu.html
prometheus-2.54.1.linux-amd64/promtool
prometheus-2.54.1.linux-amd64/console_libraries/
prometheus-2.54.1.linux-amd64/console_libraries/menu.lib
prometheus-2.54.1.linux-amd64/console_libraries/prom.lib
azureuser@vmcmspro:~$

```

8) **ls**

```

prometheus-2.54.1.linux-amd64/console_libraries/prom.lib
azureuser@vmcmspro:~$ ls
prometheus-2.54.1.linux-amd64  prometheus-2.54.1.linux-amd64.tar.gz
azureuser@vmcmspro:~$

```

9) **cd prometheus-2.54.1.linux-amd64**

**ls**

```

prometheus-2.54.1.linux-amd64  prometheus-2.54.1.linux-amd64.tar.gz
azureuser@vmcmspro:~$ cd prometheus-2.54.1.linux-amd64
azureuser@vmcmspro:~/prometheus-2.54.1.linux-amd64$ ls
LICENSE  NOTICE  console_libraries  consoles  prometheus  prometheus.yml  promtool
azureuser@vmcmspro:~/prometheus-2.54.1.linux-amd64$

```

10) Prometheus works on which port by default – **9090**

11) Prometheus configuration is YAML - YAML Ain't Markup Language. YAML is a human-friendly data serialization language for all programming languages.

12) **cat prometheus.yml**



```

azureuser@vmcsmpro:~/prometheus-2.54.1.linux-amd64$ cat prometheus.yml
# my global config
global:
  scrape_interval: 15s # Set the scrape interval to every 15 seconds. Default is every 1 minute.
  evaluation_interval: 15s # Evaluate rules every 15 seconds. The default is every 1 minute.
  # scrape_timeout is set to the global default (10s).

# Alertmanager configuration
alerting:
  alertmanagers:
    - static_configs:
      - targets:
        # - alertmanager:9093

# Load rules once and periodically evaluate them according to the global 'evaluation_interval'.
rule_files:
  # - "first_rules.yml"
  # - "second_rules.yml"

# A scrape configuration containing exactly one endpoint to scrape:
# Here it's Prometheus itself.
scrape_configs:
  # The job name is added as a label `job=<job_name>` to any timeseries scraped from this config.
  - job_name: "prometheus"

    # metrics_path defaults to '/metrics'
    # scheme defaults to 'http'.

    static_configs:
      - targets: ["localhost:9090"]
azureuser@vmcsmpro:~/prometheus-2.54.1.linux-amd64$

```

13)

The last block, `scrape_configs`, controls what resources Prometheus monitors. Since Prometheus also exposes data about itself as an HTTP endpoint it can scrape and monitor its own health. In the default configuration there is a single job, called `prometheus`, which scrapes the time series data exposed by the Prometheus server. The job contains a single, statically configured, target, the `localhost` on port `9090`. Prometheus expects metrics to be available on targets on a path of `/metrics`. So this default job is scraping via the URL: <http://localhost:9090/metrics>.

14) To start Prometheus with our newly created configuration file, change to the directory containing the Prometheus binary and run:

**`./prometheus --config.file=prometheus.yml`**

```

azureuser@vmcsmpro:~/prometheus-2.54.1.linux-amd64$ ./prometheus --config.file=prometheus.yml
ts=2024-09-27T07:48:49.371Z caller=main.go:601 level=info msg="No time or size retention was set so using the default time retention" duration=
ts=2024-09-27T07:48:49.372Z caller=main.go:645 level=info msg="Starting Prometheus Server" mode=server version="(version=2.54.1, branch=HEAD,
"
ts=2024-09-27T07:48:49.372Z caller=main.go:650 level=info build_context="(go=go1.22.6, platform=linux/amd64, user=root@812ffd741951, date=202
ls)"
ts=2024-09-27T07:48:49.372Z caller=main.go:651 level=info host_details="(Linux 6.8.0-1015-azure #17-Ubuntu SMP Mon Sep 2 14:54:06 UTC 2024 x
ts=2024-09-27T07:48:49.372Z caller=main.go:652 level=info fd_limits="(soft=1048576, hard=1048576)"
ts=2024-09-27T07:48:49.372Z caller=main.go:653 level=info vm_limits="(soft=unlimited, hard=unlimited)"
ts=2024-09-27T07:48:49.379Z caller=web.go:571 level=info component=web msg="Start listening for connections" address=0.0.0.0:9090
ts=2024-09-27T07:48:49.381Z caller=main.go:1160 level=info msg="Starting TSDB ..."
ts=2024-09-27T07:48:49.393Z caller=head.go:626 level=info component=tsdb msg="Replaying on-disk memory mappable chunks if any"
ts=2024-09-27T07:48:49.393Z caller=head.go:713 level=info component=tsdb msg="On-disk memory mappable chunks replay completed" duration=60.70
ts=2024-09-27T07:48:49.394Z caller=head.go:721 level=info component=tsdb msg="Replaying WAL, this may take a while"
ts=2024-09-27T07:48:49.397Z caller=tsdb_config.go:313 level=info component=web msg="Listening on" address=[::]:9090
ts=2024-09-27T07:48:49.397Z caller=tsdb_config.go:316 level=info component=web msg="TLS is disabled." http2=false address=[::]:9090
ts=2024-09-27T07:48:49.397Z caller=head.go:793 level=info component=tsdb msg="WAL segment loaded" segment=0 maxSegment=0
ts=2024-09-27T07:48:49.397Z caller=head.go:830 level=info component=tsdb msg="WAL replay completed" checkpoint_replay_duration=201.701µs wal_
s_chunk_snapshot_load_duration=0s mmap_chunk_replay_duration=60.701µs total_replay_duration=3.957727ms
ts=2024-09-27T07:48:49.399Z caller=main.go:1181 level=info fs_type=EXT4_SUPER_MAGIC
ts=2024-09-27T07:48:49.400Z caller=main.go:1184 level=info msg="TSDB started"
ts=2024-09-27T07:48:49.400Z caller=main.go:1367 level=info msg="Loading configuration file" filename=prometheus.yml
ts=2024-09-27T07:48:49.411Z caller=main.go:1404 level=info msg="updated GOGC" old=100 new=75
ts=2024-09-27T07:48:49.411Z caller=main.go:1415 level=info msg="Completed loading of configuration file" filename=prometheus.yml totalDuratio
eb_handler=300ns query_engine=6.8µs scrape=11.335376ms scrape_sd=23µs notify=24.4µs notify_sd=8.3µs rules=1.6µs tracing=8.301µs
ts=2024-09-27T07:48:49.412Z caller=main.go:1145 level=info msg="Server is ready to receive web requests."
ts=2024-09-27T07:48:49.412Z caller=manager.go:164 level=info component="rule manager" msg="Starting rule manager..."

```

15) Now in azure portal enable port 9090

vmcmspro | Network settings ☆ ...

Virtual machine

Search

Overview  
Activity log  
Access control (IAM)  
Tags  
Diagnose and solve problems  
Connect  
Networking  
**Network settings**  
Load balancing  
Application security groups

This is a new experience. [Please provide feedback](#)

Impacts 0 subnets, 1 network interfaces

Search rules

Source == all Destination == all Protocol == all Action == all

Priority ↑	Name	Port	Protocol	Source
300	SSH	22	TCP	Any
310	AllowAnyCustom9090Inbound	9090	Any	Any
65000	AllowVnetInBound	Any	Any	Virtual
65001	AllowAzureLoadBalancerInBound	Any	Any	Azure
65500	DenyAllInBound	Any	Any	Any

16) Take public ip of vmcmspro and port no 9090 of Prometheus

<http://52.148.251.112:9090/>

Not secure 52.148.251.112:9090/graph?g0.expr=&g0.tab=1&g0.display\_mode=lines&g0.show\_exemplars=0&g0.range\_input=1h

Prometheus Alerts Graph Status Help

☐ Use local time ☐ Enable query history ☒ Enable autocomplete ☒ Enable highlighting ☒ Enable linter

Expression (press Shift+Enter for newlines)

Execute

Table Graph

Evaluation time

No data queried yet

Remove Panel

Add Panel

17) Now we need exporter – Means from how many places we can bring data or export

</> INSTRUMENTING

Client libraries

Writing client libraries

Pushing metrics

Exporters and integrations

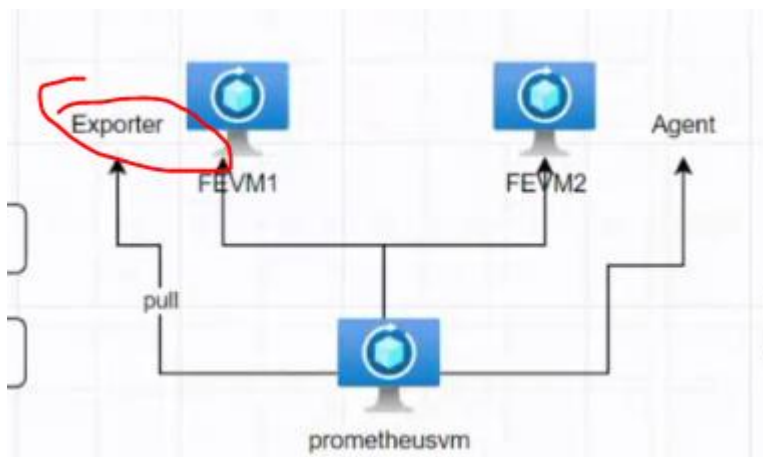
Writing exporters

Exposition formats

pro  
garl  
Do  
Dov  
t  
c  
The  
run

## EXPORTERS AND INTEGRATIONS

There are a number of libraries and servers which help in exporting existing metrics from third-party systems as Prometheus metrics. This is useful for cases where it is not feasible to instrument a given system with Prometheus metrics directly (for example, HAProxy or Linux system stats).



18) Now we have to put exporter on VM1 which will help us to monitor that machine

### Hardware related

- [apcupsd exporter](#)
- [BIG-IP exporter](#)
- [Bosch Sensortec BMP/BME exporter](#)
- [Collins exporter](#)
- [Dell Hardware OMSA exporter](#)
- [Disk usage exporter](#)
- [Fortigate exporter](#)
- [IBM Z HMC exporter](#)
- [IoT Edison exporter](#)
- [InfiniBand exporter](#)
- [IPMI exporter](#)
- [knxd exporter](#)
- [Modbus exporter](#)
- [Netgear Cable Modem Exporter](#)
- [Netgear Router exporter](#)
- [Network UPS Tools \(NUT\) exporter](#)
- [Node/system metrics exporter \(official\)](#)

github.com/prometheus/node\_exporter

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prometheus / node\_exporter Public

Code Issues 176 Pull requests 49 Actions Projects Security Insights

master 33 Branches 53 Tags

swills build fix on FreeBSD (#3132) 71d96c · 3 days ago 2,202 Commits

.circleci	Update Go (#3120)	2 weeks ago
.github	Update common Prometheus files (#3130)	4 days ago
collector	build fix on FreeBSD (#3132)	3 days ago
docs	Add UIDs to dashboards (#3042)	2 months ago
examples	Gracefully handle absence of environment configuration file ...	5 days ago
text_collector_examples	Remove text_collector_examples/ (#1441)	5 years ago
.dockerignore	Added s390x support for docker image (#1539)	4 years ago
.gitignore	Archived fixtures/udev similar to fixtures/sys to avoid go-get...	2 years ago
.golangci.yml	Update logging (#3097)	2 weeks ago

About

Exporter for machine metrics

prometheus.io/

metrics prometheus system-information

prometheus-exporter procs

node-metrics machine-metrics

host-metrics system-metrics

Readme

Apache-2.0 license

Code of conduct

Security policy

Activity

Custom properties

11k stars

180 watching

## Node exporter

circleci passing build failing container none docker pulls 3.5G go report A+

Prometheus exporter for hardware and OS metrics exposed by \*NIX kernels, written in Go with pluggable metric collectors.

The [Windows exporter](#) is recommended for Windows users. To expose NVIDIA GPU metrics, [prometheus-dcgm](#) can be used.

## Installation and Usage

If you are new to Prometheus and `node_exporter` there is a [Simple step-by-step guide](#).

The `node_exporter` listens on HTTP port 9100 by default. See the `--help` output for more options.

## Available

`node_exporter`

Exporter for machine metrics [prometheus/node\\_exporter](#)

1.8.2 / 2024-06-19 Release notes				
File name	OS	Arch	Size	SHA256 Checksum
<a href="#">node_exporter-1.8.2.darwin-amd64.tar.gz</a>	darwin	amd64	4.83 MiB	97ad998f048904a8b085f2c5adca6a6eed85389f5fc298a6d2e94ee2e73cf1728
<a href="#">node_exporter-1.8.2.linux-amd64.tar.gz</a>	linux	amd64	10.18 MiB	6809d80b3cc45fd6c992c19071d0b5253aed3ead7bf06086885a51d85c6643c66

19) Copy above link and ssh to vm1 and vm2

**wget** [https://github.com/prometheus/node\\_exporter/releases/download/v1.8.2/node\\_exporter-1.8.2.linux-amd64.tar.gz](https://github.com/prometheus/node_exporter/releases/download/v1.8.2/node_exporter-1.8.2.linux-amd64.tar.gz)

ls

```

azureuser@vmpro1:~$ wget https://github.com/prometheus/node_exporter-2024-09-27 08:29:06-- https://github.com/prometheus/node_exporter
Resolving github.com (github.com)... 140.82.121.3
Connecting to github.com (github.com)|140.82.121.3|:443... connected
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-mz-Credential=releaseassetproduction%2F20240927%2Fus-east-1%2Fs3%33e01310524eaa8d9e720d88df6117c720ed5b&X-Amz-SignedHeaders=host&response-content-type=application%2Foctet-stream [following]
--2024-09-27 08:29:06-- https://objects.githubusercontent.com/github-production-mz-Credential=releaseassetproduction%2F20240927%2Ff9acd784855451333e01310524eaa8d9e720d88df6117c720ed5b&X-Amz-SignedHeaders=host&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 140.82.121.3
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|140.82.121.3|:443... connected
HTTP request sent, awaiting response... 200 OK
Length: 10676343 (10M) [application/octet-stream]
Saving to: 'node_exporter-1.8.2.linux-amd64.tar.gz'

node_exporter-1.8.2.linux-amd64.tar.gz 100%[=====]
2024-09-27 08:29:07 (187 MB/s) - 'node_exporter-1.8.2.linux-amd64.tar.gz' saved [10676343/10676343]

azureuser@vmpro1:~$ ls
node_exporter-1.8.2.linux-amd64.tar.gz
azureuser@vmpro1:~$

```

20) Now extract downloaded file

**tar xvfz node\_exporter-1.8.2.linux-amd64.tar.gz**

**ls**

```

node_exporter-1.8.2.linux-amd64.tar.gz
azureuser@vmpro1:~$ tar xvfz node_exporter-1.8.2.linux-amd64.tar.gz
node_exporter-1.8.2.linux-amd64/
node_exporter-1.8.2.linux-amd64/NOTICE
node_exporter-1.8.2.linux-amd64/node_exporter
node_exporter-1.8.2.linux-amd64/LICENSE
azureuser@vmpro1:~$

node_exporter-1.8.2.linux-amd64/
azureuser@vmpro1:~$ ls
node_exporter-1.8.2.linux-amd64  node_exporter-1.8.2.linux-amd64.tar.gz
azureuser@vmpro1:~$

```

21) **cd node\_exporter-1.8.2.linux-amd64**

**ls**

```

node_exporter-1.8.2.linux-amd64 node_exporter-1.8.2.linux-amd64
azureuser@vmpro1:~$ cd node_exporter-1.8.2.linux-amd64
azureuser@vmpro1:~/node_exporter-1.8.2.linux-amd64$ ls
LICENSE NOTICE node_exporter
azureuser@vmpro1:~/node_exporter-1.8.2.linux-amd64$

```

22) **./node\_exporter** – Enter means run node exporter

```

azureuser@vmpro1:~/node_exporter-1.8.2.linux-amd64$ ./node_exporter
ts=2024-09-27T08:36:52.137Z caller=node_exporter.go:193 level=info msg="Starting node_exporter" version=1.8.2 build_id=0bed348fc2c1895)
ts=2024-09-27T08:36:52.137Z caller=node_exporter.go:194 level=info msg="Build context" build_context="0240714-11:53:45, tags=unknown)"
ts=2024-09-27T08:36:52.137Z caller=diskstats_common.go:111 level=info collector=diskstats msg="Parsing diskstats"
ts=2024-09-27T08:36:52.138Z caller=filesystem_common.go:111 level=info collector=filesystem msg="Parsing filesystems"
ts=2024-09-27T08:36:52.138Z caller=filesystem_common.go:113 level=info collector=filesystem msg="Parsing mountpoints"
ts=2024-09-27T08:36:52.139Z caller=node_exporter.go:111 level=info msg="Enabled collectors"
ts=2024-09-27T08:36:52.139Z caller=node_exporter.go:118 level=info collector=arp
ts=2024-09-27T08:36:52.139Z caller=node_exporter.go:118 level=info collector=bcache
ts=2024-09-27T08:36:52.139Z caller=node_exporter.go:118 level=info collector=bonding
ts=2024-09-27T08:36:52.139Z caller=node_exporter.go:118 level=info collector=btrfs
ts=2024-09-27T08:36:52.139Z caller=node_exporter.go:118 level=info collector=conntrack
ts=2024-09-27T08:36:52.139Z caller=node_exporter.go:118 level=info collector=cpu

```

23) Now node exporter is running on both VM1 and VM2. Basically node exporter extracts out all metrics of VM1 and VM2 and will run a small server inside itself on port 9100 as per below details and will public all data on 9100 port of VM

```
INFO[0000] Listening on :9100
```

24) Now opening port 9100 of exporter on both frontend vm1 and vm2, and run on browser

**Vmpro1 - 20.23.244.216:9100**

**Vmpro2 - 20.224.118.161:9100**



## Prometheus Node Exporter

Version: (version=1.8.2, branch=HEAD, revision=f1e0e8360aa60b6cb5e5cc1560bed348fc2c1895)

- [Metrics](#)

25) Now stop vm of Prometheus

**ls**

**nano prometheus.yml**

**add both vm1 and vm2 details – ctrlO - ctrlX**

```
azureuser@vmcmsgpro:~/prometheus-2.54.1.linux-amd64$ ls
LICENSE NOTICE console_libraries consoles data prometheus prometheus.yml promtool
azureuser@vmcmsgpro:~/prometheus-2.54.1.linux-amd64$ nano prometheus.yml

# The job name is added as a label 'job="{job_name}"' to any time series.
- job_name: "prometheus"

# metrics_path defaults to '/metrics'
# scheme defaults to 'http'.

static_configs:
- targets: ["localhost:9090"]
- job_name: "vmpro1"
  static_configs:
  - targets: ["20.23.244.216:9100"]
- job_name: "vmpro2"
  static_configs:
  - targets: ["20.224.118.161:9100"]
```

Start Prometheus -

← → ↺ ⚠ Not secure 52.148.251.112:9090/targets?search= 🔍 ☆

Prometheus Alerts Graph Status ▾ Help

### Targets

All scrape pools ▾ All Unhealthy Collapse All 🔍 Filter by endpoint or labels

**prometheus (1/1 up)** [show less](#)

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
<a href="http://localhost:9090/metrics">http://localhost:9090/metrics</a>	UP	instance="localhost:9090" job="prometheus" ▾	13.456s ago	8.073ms	

**vmpro1 (1/1 up)** [show less](#)

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
<a href="http://20.23.244.216:9100/metrics">http://20.23.244.216:9100/metrics</a>	UP	instance="20.23.244.216:9100" job="vmpro1" ▾	8.886s ago	18.941ms	

**vmpro2 (1/1 up)** [show less](#)

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
<a href="http://20.224.118.161:9100/metrics">http://20.224.118.161:9100/metrics</a>	UP	instance="20.224.118.161:9100" job="vmpro2" ▾	12.891s ago	18.212ms	

26) {job="vmpro1"}

Or

{job="vmpro2"}

So below we can check and and get logs

Prometheus Alerts Graph Status Help

☐ Use local time ☐ Enable query history ☒ Enable autocomplete ☒ Enable highlighting ☒ Enable linter

Q

{job="vmpro1"}

Table

Graph

Load time: 355ms Resolution: 14s Rx

<

Evaluation time

>

go_gc_duration_seconds{instance="20.23.244.216:9100", job="vmpro1", quantile="0"}	0.0000443
go_gc_duration_seconds{instance="20.23.244.216:9100", job="vmpro1", quantile="0.25"}	0.000049501
go_gc_duration_seconds{instance="20.23.244.216:9100", job="vmpro1", quantile="0.5"}	0.0000583
go_gc_duration_seconds{instance="20.23.244.216:9100", job="vmpro1", quantile="0.75"}	0.000094301
go_gc_duration_seconds{instance="20.23.244.216:9100", job="vmpro1", quantile="1"}	0.000147102
go_gc_duration_seconds_sum{instance="20.23.244.216:9100", job="vmpro1"}	0.00084191
go_gc_duration_seconds_count{instance="20.23.244.216:9100", job="vmpro1"}	12
go_goroutines{instance="20.23.244.216:9100", job="vmpro1"}	7
go_info{instance="20.23.244.216:9100", job="vmpro1", version="go1.22.5"}	1
go_memstats_alloc_bytes{instance="20.23.244.216:9100", job="vmpro1"}	2307016
go_memstats_alloc_bytes_total{instance="20.23.244.216:9100", job="vmpro1"}	25119128
go_memstats_buck_hash_sys_bytes{instance="20.23.244.216:9100", job="vmpro1"}	1458492
go_memstats_frees_total{instance="20.23.244.216:9100", job="vmpro1"}	301817
go_memstats_gc_sys_bytes{instance="20.23.244.216:9100", job="vmpro1"}	3122520
go_memstats_heap_alloc_bytes{instance="20.23.244.216:9100", job="vmpro1"}	2307016
go_memstats_heap_idle_bytes{instance="20.23.244.216:9100", job="vmpro1"}	4440064
go_memstats_heap_inuse_bytes{instance="20.23.244.216:9100", job="vmpro1"}	2221120

27)