Install Prometheus and Grafana on a Linux EC2 machine, connect Prometheus to Grafana, and create a dashboard to view metrics.

	Name 🖍	∇	Instance ID		Instance state	∇	Instance type	∇	Status check	
	Targeting server		i-07198d978a632069b		⊗ Running ⊕	Q	t2.micro		⊘ 2/2 checks	passed
	Monitoring server		i-0982059393a15f0be		⊘ Running ④	Q	t2.micro		⊘ 2/2 checks	passed
	-172-31-32-153:~/Prometheus G									
Resolving	-27 02:08:39 https://githu github.com (github.com) 2 q to github.com (github.com)	0.207.73.82		oad/v2.2	23.0/prometheus-2.23.0.1	linux-amd6	4.tar.gz			
HTTP requ	est sent, awaiting response	. 302 Found	1							
=releasea	ssetproduction%2F20240527%2Fu	s-east-1%2E	github-production-release-asset- Fs3%2Faws4_request&X-Amz-Date=20	240527T(020839Z&X-Amz-Expires=30	00&X-Amz-S	ignature=f1c08155187e	aaf2d9b6e	5e2113e3582f72d742752	2d2c14d8c8
	60a&X-Amz-SignedHeaders=host& pplication%2Foctet-stream [fo		key_id=0&repo_id=6838921&respon	se-conte	ent-disposition=attachme	ent%3B%20f	ilename%3Dprometheus-	2.23.0.li	nux-amd64.tar.gz&resp	ponse-cont
2024-05	-27 02:08:39 https://objec	ts.githubus	sercontent.com/github-production							
			7%2Fus-east-1%2Fs3%2Faws4_reques nost&actor id=0&key id=0&repo id							
&response	-content-type=application%2Fo	ctet-stream	n							
			.githubusercontent.com) 185.1 ects.githubusercontent.com) 185.			35.199.109	.133,			
HTTP requ	est sent, awaiting response	. 200 OK								
	4298432 (61M) [application/oc : 'prometheus-2.23.0.linux-am									
		ao ii carigr								
prometheu 137MB/	s-2.23.0.linux-amd64.tar.gz s in 0.4s		100% [=====							=>] 61.321
2024-05-2	7 02:08:41 (137 MB/s) - 'prom	etheus-2.23	3.0.linux-amd64.tar.gz' saved [6	1298432/	/64298432]					
prometheu	s-2.23.0.linux-amd64/									
	s-2.23.0.linux-amd64/LICENSE									
	s-2.23.0.linux-amd64/consoles s-2.23.0.linux-amd64/consoles		atm1							
	s-2.23.0.linux-amd64/consoles									
prometheu	s-2.23.0.linux-amd64/consoles	/node-overv								
	s-2.23.0.linux-amd64/consoles									
	s-2.23.0.linux-amd64/consoles s-2.23.0.linux-amd64/consoles									
	s-2.23.0.11nux-amd64/consoles									
prometheu	s-2.23.0.linux-amd64/promethe	us								
prometheus-2.23.0.linux-amd64/console libraries/										

```
Created symlink /etc/systemd/system/multi-user.target.wants/prometheus.service → /etc/systemd/system/prometheus.service.

prometheus.service - Prometheus
Loaded (retc/systemd/system/prometheus.service; enabled; vendor preset: enabled)
Active: active (running) since Mon 2024-05-27 02:08:47 UTC; 40ms ago
Main PID: 1705 (prometheus)
Tasks: 3 (limit: 1121)
Memory: 6.60
CPU: 17ms
CGroup: /system.slice/prometheus.service
L1705 /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-/P
May 27 02:08:47 ip-172-31-32-153 systemd[1]: Started Prometheus.
```

```
ubuntu@ip-172-31-32-153:-/Prometheus_Grafana_doc$ ./install-grafana.sh
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Reading state information... Done
Reading state information... Done
adduser is already the newest version (3.118ubuntu5).
adduser set to manually installed.
The following additional packages will be installed:
fontconfig-config fonts-dejavu-core
The following NEW packages will be installed:
fontconfig-config fonts-dejavu-core libfontconfig1
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 1202 kB of archives.
After this operation, 3540 kB of additional disk space will be used.
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 fonts-dejavu-core all 2.37-2build1 [1041 kB]
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 fontconfig-config all 2.13.1-4.2ubuntu5 [29.1 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libfontconfig1 amd64 2.13.1-4.2ubuntu5 [131 kB]
Fetched 1202 kB in 0s (26.0 MB/s)
Selecting previously unselected package fonts-dejavu-core.
(Reading database ... 65283 files and directories currently installed.)
Preparing to unpack .../fonts-dejavu-core 2.37-2build1 ...
Selecting previously unselected package fontconfig-config.
Preparing to unpack .../fonts-dejavu-core (2.37-2build1) ...
Selecting previously unselected package fontconfig-config.
Preparing to unpack .../fonts-dejavu-core (2.37-2build1) ...
Selecting previously unselected package libfontconfig1:amd64.
Preparing to unpack .../fonts-dejavu-core [2.31-4.2ubuntu5] ...
Selecting previously unselected package libfontconfig1:amd64.
Preparing to unpack .../fonts-dejavu-core [2.13.1-4.2ubuntu5] ...
Selecting previously unselected package libfontconfig1:amd64.
Preparing to unpack .../libfontconfig [2.13.1-4.2ubuntu5] ...
Unpacking libfontconfig1:amd64 (2.13.1-4.2ubuntu5) ...
```

```
Selecting previously unselected package grafana.

(Reading database ... 65396 files and directories currently installed.)

Preparing to unpack grafana (7.3.4 ...

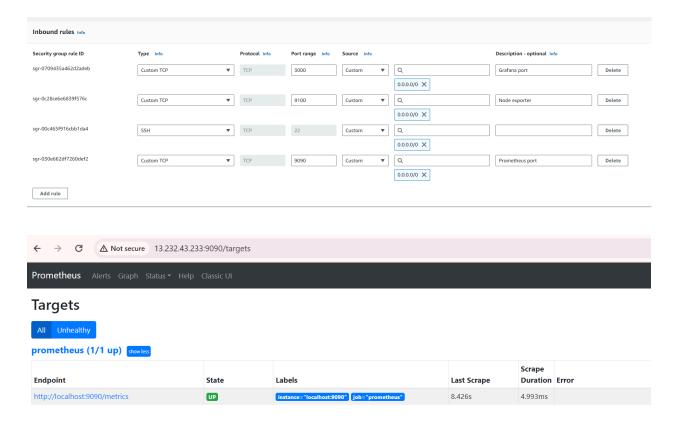
Setting up grafana (7.4 ...

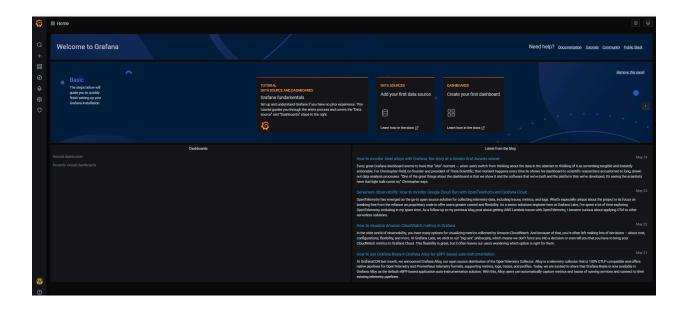
Se
```

```
bountable; 172-12:13:1-13:-//romenthus Gaffam_doed ./install-mode-exporter.ah

2015-05:05:05:05:01:15:05

Resolving github.com [c] tithub.com [c] tithub.com
```





Node Exporter

Metrics

ubuntu@ip-172-31-32-247:~\$ sudo vi /etc/prometheus/prometheus.yml ubuntu@ip-172-31-32-247:~\$

Prometheus Alerts Graph Status → Help Classic UI

Targets



Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://65.0.101.143:9100/metrics	UNKNOWN	instance="65.0.101.143:9100" job="prometheus"	Never	0s	

```
# HELP go_gc_duration_seconds & summary

# TYPE go_gc_duration_seconds (aummary)

# TYPE go_gc_duration_seconds(quantile="0.1.9.1.8615e-05

# Do_gc_duration_seconds(quantile="0.1.9.1.1.8637e-05

# Do_gc_duration_seconds_cunts(quantile="0.1.9.1.1.8637e-05

# Do_gc_duration_seconds_quantile="0.1.8637e-05

# Do_gc_duration_seconds_quantile=0.1.8637e-05

# Do_gc_duration_seconds_quantile=0.1.8637e-05

# Do_gc_duration_seconds_quantile=0.1.8637e-05

# Do_gc_duration_seconds_quantile=0.1.8637e-05

# Do_gc_duration_seconds_quantile=0.1.8637e-05

# Do_gc_duration_seconds_quantile=0.1.8637e-05
```

