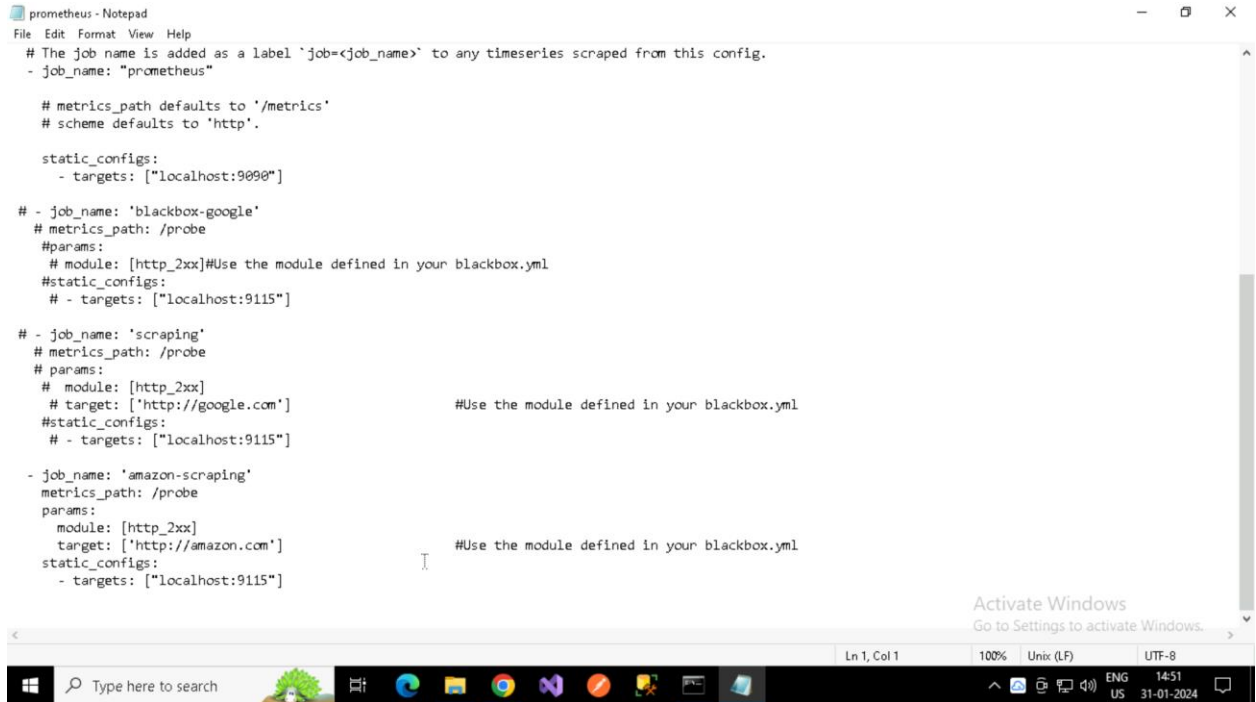


Prometheus-Grafana

1. Add target website to the Prometheus yaml.file.



```
prometheus - Notepad
File Edit Format View Help
# 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"]

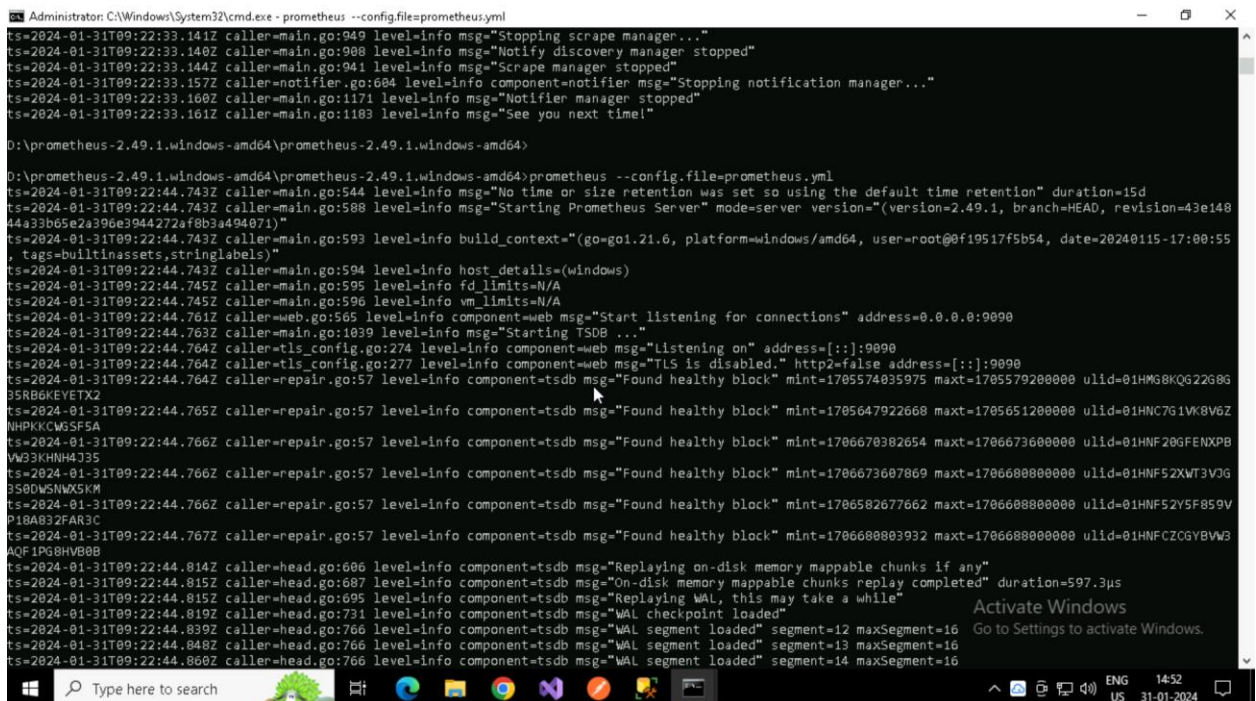
# - job_name: 'blackbox-google'
# metrics_path: /probe
# params:
# module: [http_2xx]#Use the module defined in your blackbox.yml
#static_configs:
# - targets: ["localhost:9115"]

# - job_name: 'scraping'
# metrics_path: /probe
# params:
# module: [http_2xx]
# target: ['http://google.com'] #Use the module defined in your blackbox.yml
#static_configs:
# - targets: ["localhost:9115"]

- job_name: 'amazon-scraping'
metrics_path: /probe
params:
module: [http_2xx]
target: ['http://amazon.com'] #Use the module defined in your blackbox.yml
static_configs:
- targets: ["localhost:9115"]

Ln 1, Col 1 100% Unix (LF) UTF-8
Type here to search
```

2. Start the Prometheus server and Blackbox exporter.



```
Administrator: C:\Windows\System32\cmd.exe - prometheus --config.file=prometheus.yml
ts=2024-01-31T09:22:33.141Z caller=main.go:949 level=info msg="Stopping scrape manager..."
ts=2024-01-31T09:22:33.140Z caller=main.go:908 level=info msg="Notify discovery manager stopped"
ts=2024-01-31T09:22:33.144Z caller=main.go:941 level=info msg="Scrape manager stopped"
ts=2024-01-31T09:22:33.157Z caller=notifier.go:604 level=info component=notifier msg="Stopping notification manager..."
ts=2024-01-31T09:22:33.160Z caller=main.go:1171 level=info msg="Notifier manager stopped"
ts=2024-01-31T09:22:33.161Z caller=main.go:1183 level=info msg="See you next time!"

D:\prometheus-2.49.1.windows-amd64\prometheus-2.49.1.windows-amd64>
D:\prometheus-2.49.1.windows-amd64\prometheus-2.49.1.windows-amd64>prometheus --config.file=prometheus.yml
ts=2024-01-31T09:22:44.743Z caller=main.go:544 level=info msg="No time or size retention was set so using the default time retention" duration=15d
ts=2024-01-31T09:22:44.743Z caller=main.go:588 level=info msg="Starting Prometheus Server" mode=server version="(version=2.49.1, branch=HEAD, revision=43e14844a33b65e2a396e3944272af8b3a494071)"
ts=2024-01-31T09:22:44.743Z caller=main.go:593 level=info build_context="(go=go1.21.6, platform=windows/amd64, user=root@0f19517f5b54, date=20240115-17:00:55, tags=builtnasets,stringlabels)"
ts=2024-01-31T09:22:44.743Z caller=main.go:594 level=info host_details="(windows)"
ts=2024-01-31T09:22:44.745Z caller=main.go:595 level=info fd_limits=N/A
ts=2024-01-31T09:22:44.745Z caller=main.go:596 level=info vm_limits=N/A
ts=2024-01-31T09:22:44.761Z caller=web.go:565 level=info component=web msg="Start listening for connections" address=0.0.0.0:9090
ts=2024-01-31T09:22:44.763Z caller=main.go:1039 level=info msg="Starting TSDB ..."
ts=2024-01-31T09:22:44.764Z caller=tls_config.go:274 level=info component=web msg="Listening on" address=[::]:9090
ts=2024-01-31T09:22:44.764Z caller=tls_config.go:277 level=info component=web msg="TLS is disabled." http2=false address=[::]:9090
ts=2024-01-31T09:22:44.764Z caller=repair.go:57 level=info component=tsdb msg="Found healthy block" mint=1705574035975 maxt=1705579200000 ulid=01HM38KQ622G0635RB6KEYETX2
ts=2024-01-31T09:22:44.765Z caller=repair.go:57 level=info component=tsdb msg="Found healthy block" mint=1705647922668 maxt=1705651200000 ulid=01HNC761WKBV6Z
ts=2024-01-31T09:22:44.766Z caller=repair.go:57 level=info component=tsdb msg="Found healthy block" mint=1706670302654 maxt=1706673600000 ulid=01HNF20GFENXPB
ts=2024-01-31T09:22:44.766Z caller=repair.go:57 level=info component=tsdb msg="Found healthy block" mint=1706673607869 maxt=1706680000000 ulid=01HNF52XWT3VJ6
ts=2024-01-31T09:22:44.766Z caller=repair.go:57 level=info component=tsdb msg="Found healthy block" mint=1706680000000 maxt=1706680000000 ulid=01HNF52YF859V
ts=2024-01-31T09:22:44.767Z caller=repair.go:57 level=info component=tsdb msg="Found healthy block" mint=1706680000000 maxt=1706680000000 ulid=01HNF52YF859V
ts=2024-01-31T09:22:44.767Z caller=repair.go:57 level=info component=tsdb msg="Found healthy block" mint=1706680000000 maxt=1706680000000 ulid=01HNF52YF859V
ts=2024-01-31T09:22:44.814Z caller=head.go:686 level=info component=tsdb msg="Replaying on-disk memory mappable chunks if any"
ts=2024-01-31T09:22:44.815Z caller=head.go:687 level=info component=tsdb msg="On-disk memory mappable chunks replay completed" duration=597.3µs
ts=2024-01-31T09:22:44.815Z caller=head.go:695 level=info component=tsdb msg="Replaying WAL, this may take a while"
ts=2024-01-31T09:22:44.819Z caller=head.go:731 level=info component=tsdb msg="WAL checkpoint loaded"
ts=2024-01-31T09:22:44.839Z caller=head.go:766 level=info component=tsdb msg="WAL segment loaded" segment=12 maxSegment=16
ts=2024-01-31T09:22:44.848Z caller=head.go:766 level=info component=tsdb msg="WAL segment loaded" segment=13 maxSegment=16
ts=2024-01-31T09:22:44.860Z caller=head.go:766 level=info component=tsdb msg="WAL segment loaded" segment=14 maxSegment=16

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```

Browser tabs: Prometheus Time Series, aab07a2b4ac2553:9115/p, aab07a2b4ac2553:9090/m, Blackbox Exporter, Grafana Demo - Dashbo...

localhost:9090/targets?search=

Prometheus

Alerts Graph Status Help

Targets

All scrape pools All Unhealthy Collapse All Filter by endpoint or labels Unknown Unhealthy Healthy

amazon-scraping (1/1 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9115/probe module="http_2xx" target="http://amazon.com"	UP	instance="localhost:9115" job="amazon-scraping"	15.686s ago	313.342ms	

prometheus (1/1 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus"	14.927s ago	10.281ms	

Activate Windows
Go to Settings to activate Windows.

Windows taskbar: Type here to search, 14:53 31-01-2024

3. Create Data source in Grafana.

Browser tabs: Prometheus Time Series Collect, Blackbox Exporter, prometheus-amazon - Data sou...

localhost:8081/connections/datasources/edit/bfebe0cb-e927-4e8f-b446-d0b39c7fd39d

Grafana

Search or jump to... ctrl+k

Home > Connections > Data sources > prometheus-amazon

Connections

Add new connection

Data sources

Type: Prometheus

Settings Dashboards

Name prometheus-amazon Default

Before you can use the Prometheus data source, you must configure it below or in the config file. For detailed instructions, [view the documentation](#).

Fields marked with * are required

Connection

Prometheus server URL * http://localhost:9090/

Activate Windows
Go to Settings to activate Windows.

Windows taskbar: Type here to search, 14:55 31-01-2024

4. Execute queries to generate panels.

