Observability with Prometheus and Grafana

Join us on Slack
http://shorturl.at/uzGKZ

18.11.2022

Agenda

- What is observability?
- Prometheus
- Grafana
- Alerting
- Q&A

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What is observability?

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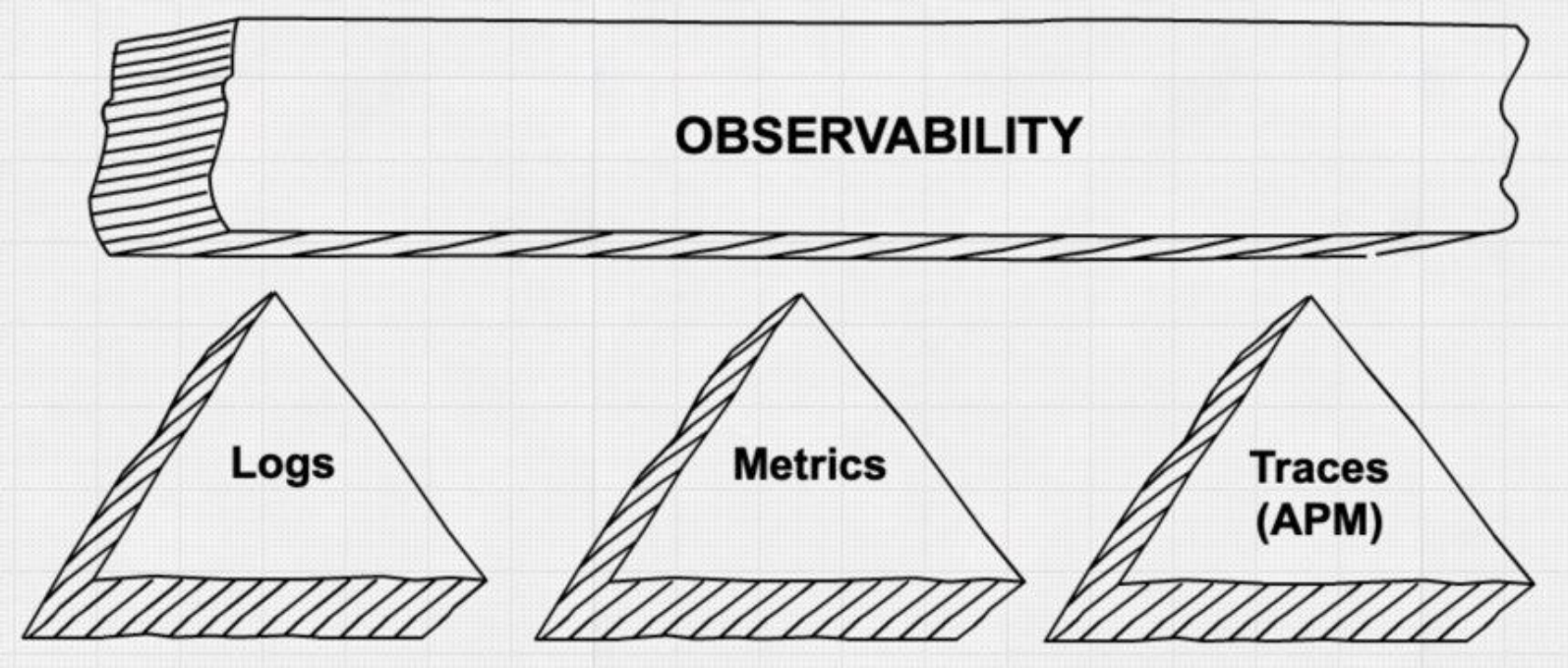
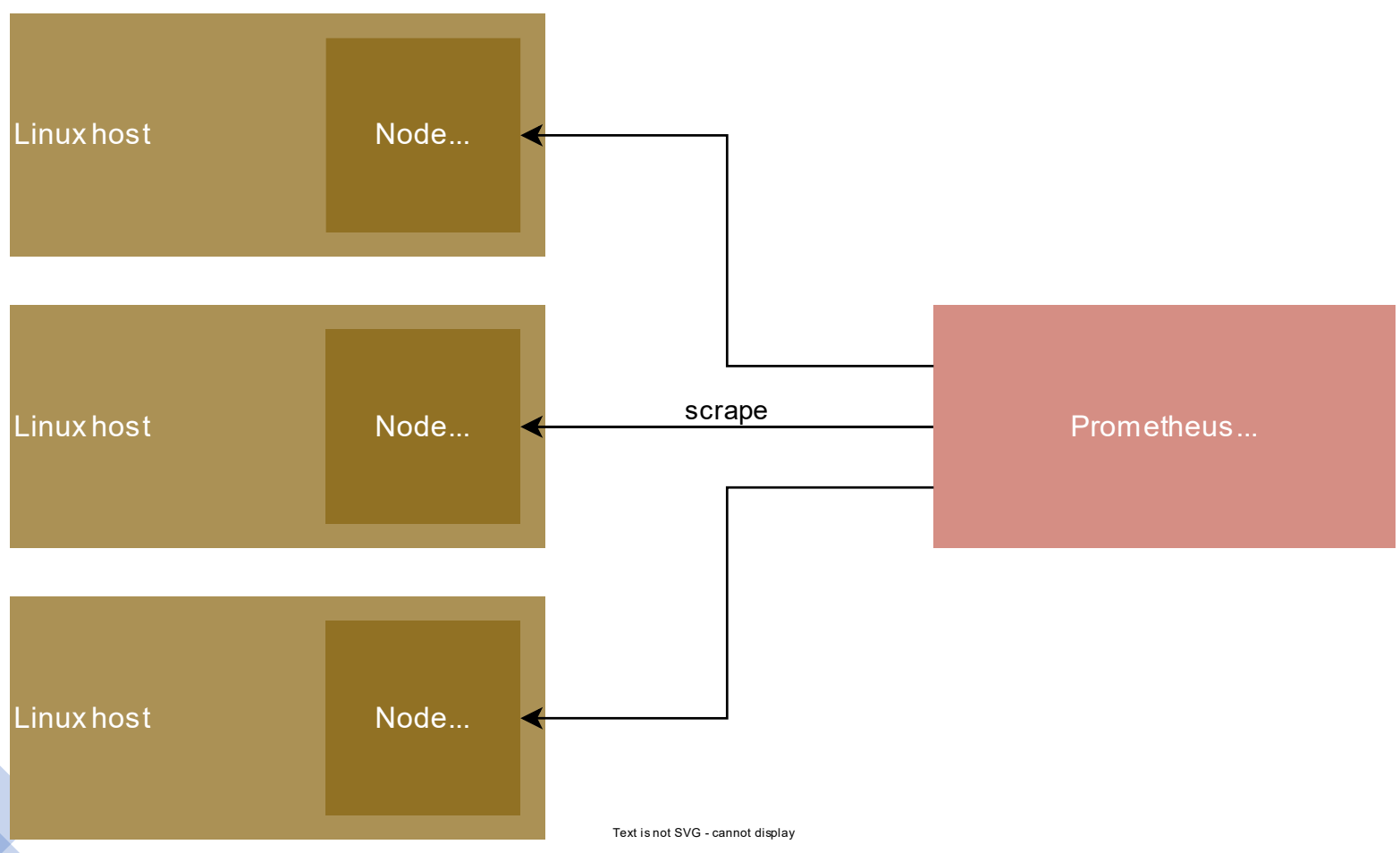
What is observability?



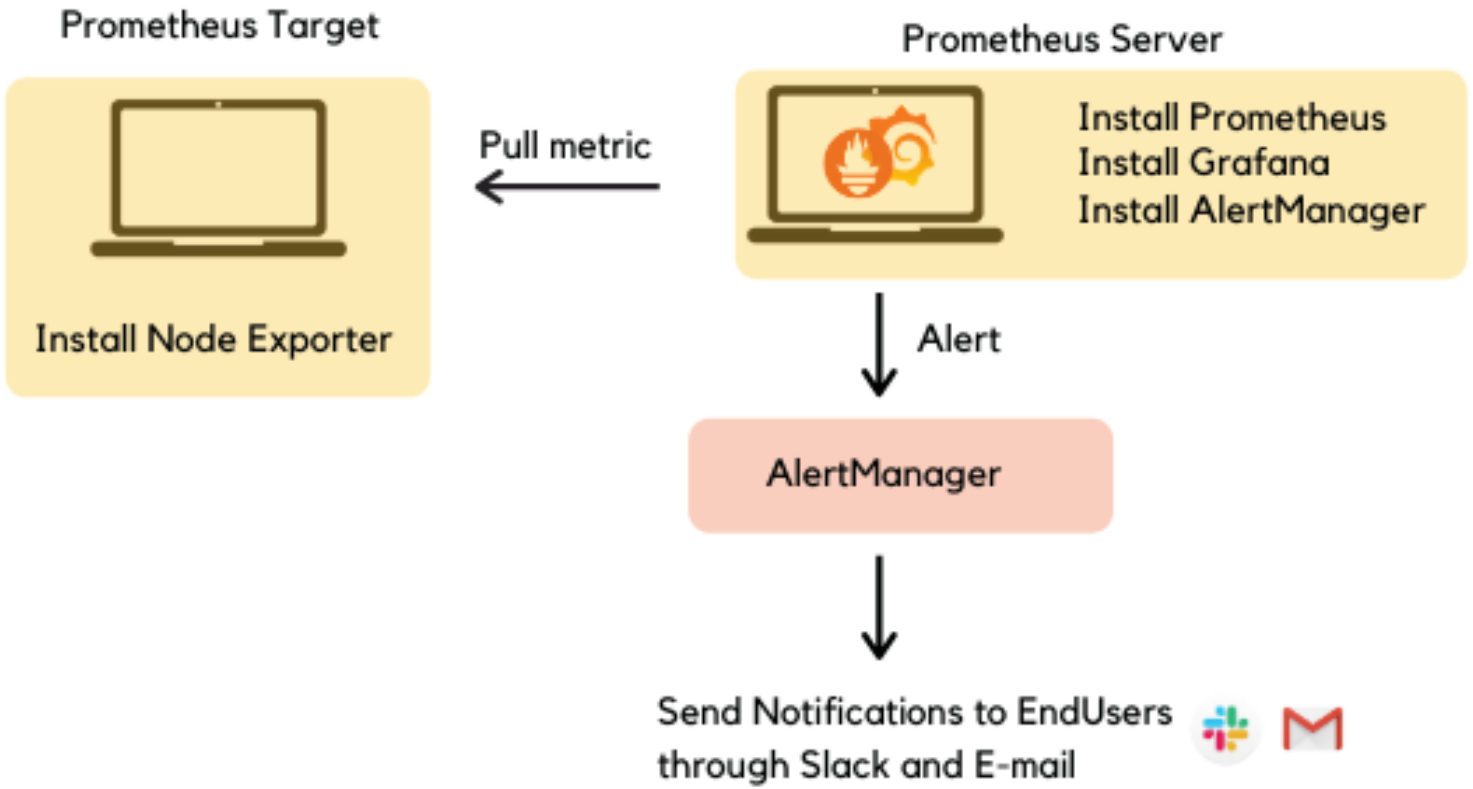
Prometheus


Linux host
Node...
Linux host
Node...
Linux host
Node...
scrape
Prometheus...
Text is not SVG - cannot display

Grafana

General / Virtual Machines
Last 1 hour
5s
datasource
default
Job
prometheus02
Host:
20.86.102.209:9100
GitHub
Grafana
Quick CPU / Mem / Disk
CPU Busy
1.60%
Sys Load (5m avg)
1%
Sys Load (15m avg)
5%
RAM Used
45%
SWAP Used
0%
Root FS Used
8.64%
CPU Cores
1
Uptime
1.5 day
RootFS T...
31 GiB
RAM Total
927 MiB
SWAP To...
2 GiB
Basic CPU / Mem / Net / Disk
CPU Basic
100.0%
80.0%
60.0%
40.0%
20.0%
0.0%
22:25 22:30 22:35 22:40 22:45 22:50 22:55 23:00 23:05 23:10 23:15 23:20
Busy System
Busy User
Busy Iowait
Busy IRQs
Busy Other
Idle
Memory Basic
954 MiB
715 MiB
477 MiB
238 MiB
0 B
22:25 22:30 22:35 22:40 22:45 22:50 22:55 23:00 23:05 23:10 23:15 23:20
RAM Total
RAM Used
RAM Cache + Buffer
RAM Free
SWAP Used
Network Traffic Basic
50 kb/s
0 b/s
-50 kb/s
Disk Space Used Basic
100%
80%
60%
40%
20%

Prometheus



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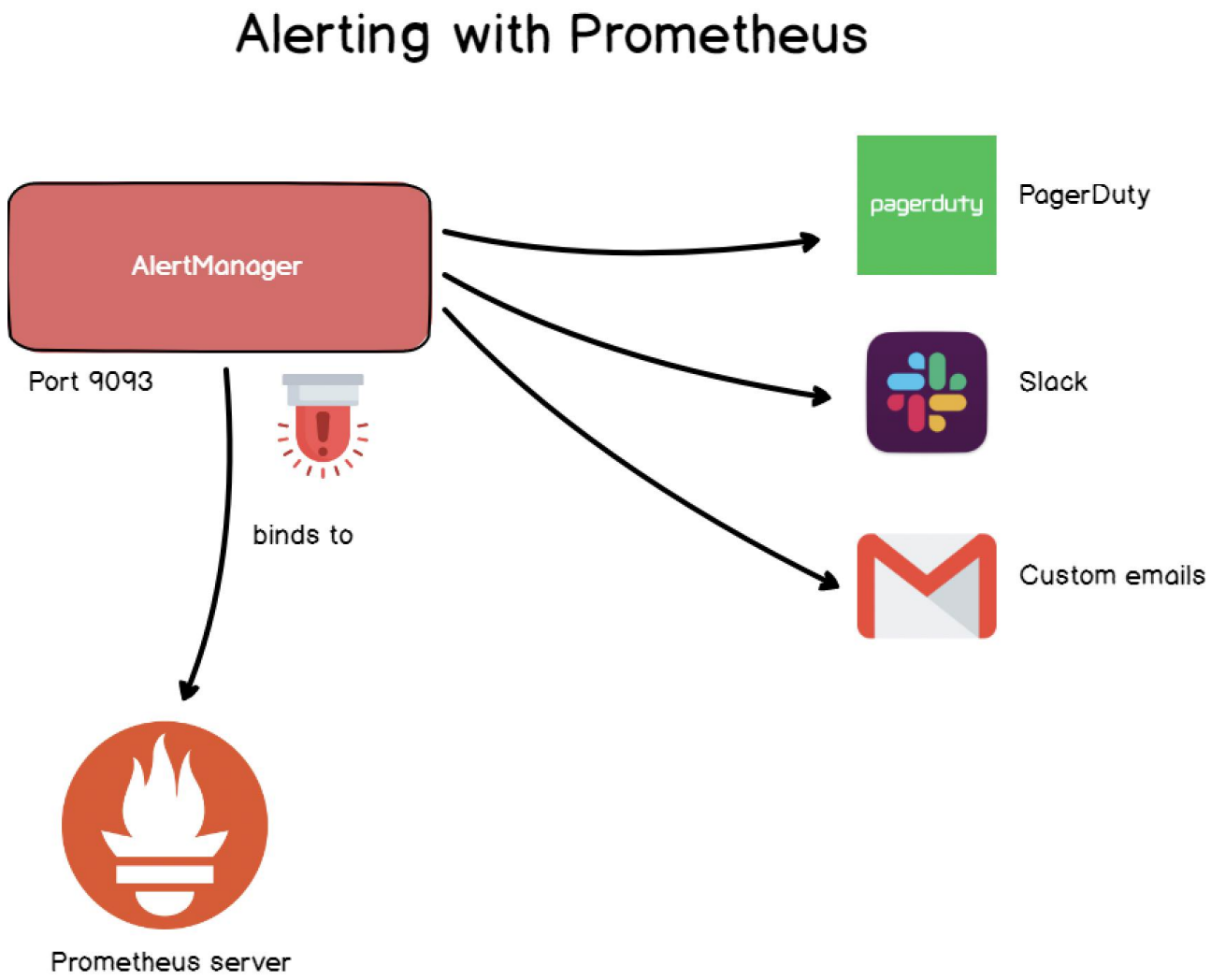
Alerting


Alerting with Prometheus
AlertManager
Port 9093
binds to
Prometheus server
pagerduty
PagerDuty
Slack
Custom emails

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PROJECT