

**PART 1**



# MONITORING **ASTERISK** WITH **PROMETHEUS**

## INTRODUCTION & INSTALLATION

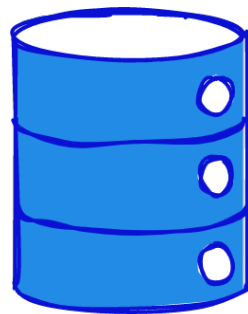


*Omid Mohajerani*

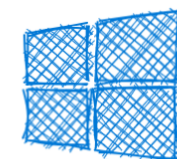
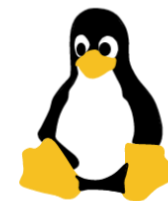


Grafana

PromQL



Time Series Database



Windows





Prometheus

Alerts

Graph

Status ▾

Help



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



asterisk\_core\_uptime\_seconds



Execute

Table

Graph

Load time: 182ms Resolution: 1s Result series: 1



Evaluation time



asterisk_core_uptime_seconds{ <b>eid</b> ="16:0a:91:9a:a2:36", <b>instance</b> ="167.172.169.213:8088", <b>job</b> ="Asterisk Servers"}	146
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[Remove Panel](#)

Add Panel



asterisk\_core\_uptime\_seconds



Execute

Table

Graph

Load time: 179ms Resolution: 1s Result series: 1



5m



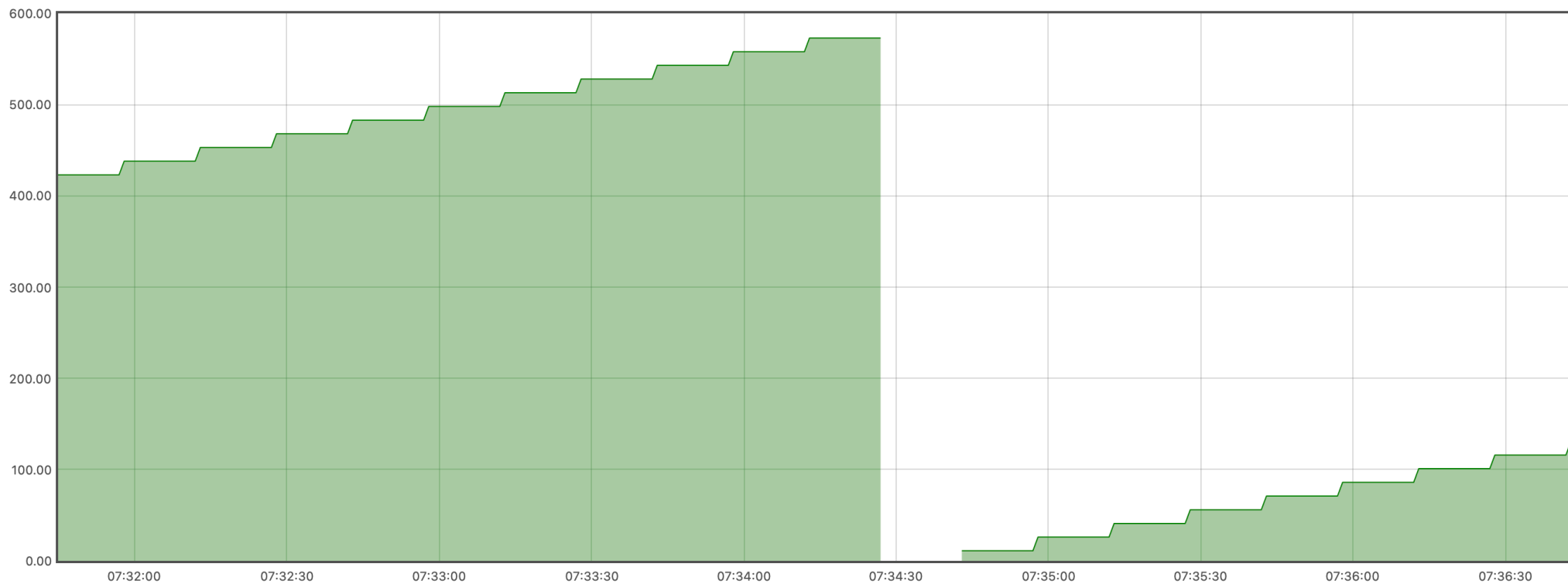
End time



Res. (s)



Show Exemplars



■ asterisk\_core\_uptime\_seconds{eid="16:0a:91:9a:a2:36", instance="167.172.169.213:8088", job="Asterisk Servers"}



Last 5 minutes



30s



Data Source

Cortex

Job

All

Instance

localhost:8088

EID

f2:19:a6:ce:98:23

Asterisk - Logs

## Integration Status

Agent Configured - Sending Metrics

## Latest Metric Received

2022-02-24 01:26:30

## Asterisk Overview



Uptime

5 min

Last Reload

5 min

Total Calls

7 k

Current Active Calls

99

Max Active Calls

224

Calls per Second

20

## Active Calls



Current Active Channels



Max Active Channels

224

Current Active Endpoints



Max Active Endpoints

3

Current Active Bridges



Max Active Bridges

1



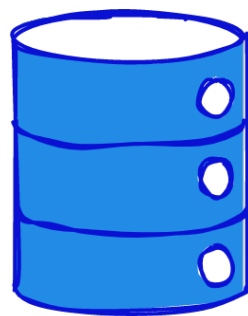
PromQL



Push Alerts



Alert Manager



Time Series Database





## Prometheus Installation on Debian 11

<https://github.com/Omid-Mohajerani/VoIP-Monitoring>