PAYBITOPRO SERVER MONITORING MANUAL - GRAFANA

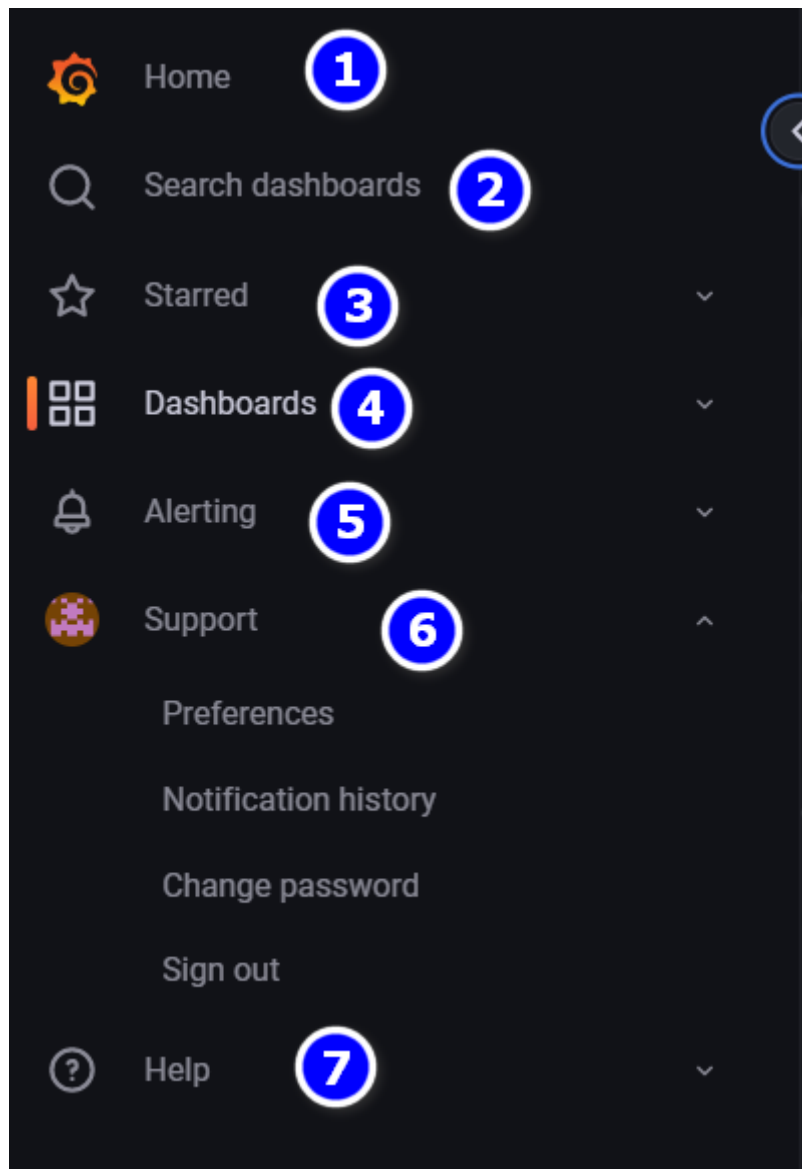# PAYBITOPRO SERVER MONITORING MANUAL - GRAFANA

Introduction

Grafana is a popular open-source platform used for visualising and analysing data. It provides a highly customizable and flexible interface for creating dashboards that display data from a wide range of sources, including databases, cloud-based services, and other data stores. Grafana allows users to create interactive visualisations such as charts, graphs, tables, and alerts, making it a powerful tool for monitoring and analysing data in real-time. It supports multiple data sources and integrations with various third-party tools, making it a popular choice for IT operations, business intelligence, and other data-driven applications. Grafana is widely used in industries such as finance, healthcare, and technology, among others.
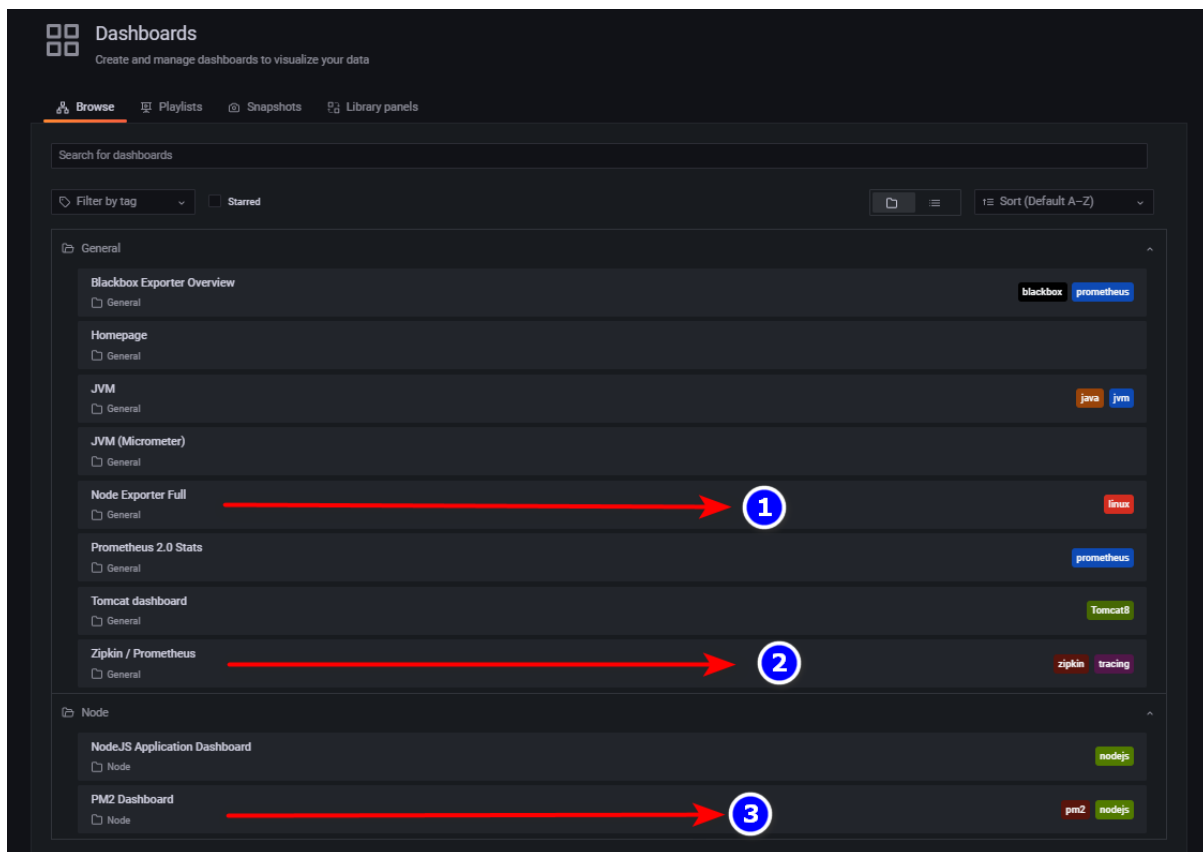
Uses of PayBitoPro Server Monitoring manual - GRAFANA:

1. *Visualisation of data:* Grafana provides a rich and flexible interface for creating interactive visualisations of data. It supports a wide range of chart types, including line, bar, scatter, and heat maps, making it easy to create meaningful and insightful visualisations of data.

2. *Monitoring and Alerting*: Grafana is used for monitoring the health and performance of systems, services, and applications. It can be configured to send alerts and notifications based on various conditions, such as threshold breaches or anomalies in data.

3. *Data Analysis:* Grafana supports advanced data analytics and exploration capabilities, such as filtering, aggregation, and pivoting. These capabilities allow users to extract valuable insights from data and make informed decisions.

4. *Collaboration:* Grafana provides collaboration features that allow teams to work together on dashboards and share insights with each other. This fosters a culture of data-driven decision making and enables teams to work more efficiently.

5. *Integration with Other Tools:* Grafana integrates with a wide range of data sources, including popular databases, cloud-based services, and other data stores. This makes it a flexible and powerful tool that can be used in a variety of use cases.
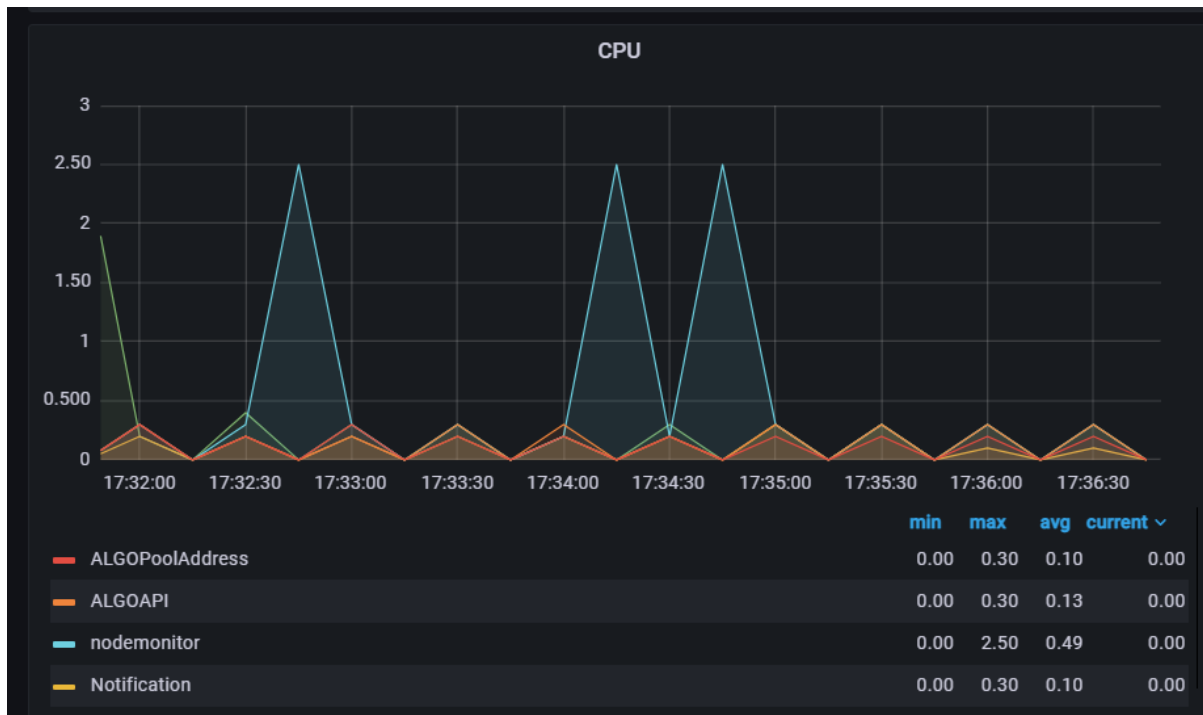
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Overview

The above view is the first look of the PM2 Dashboard where all the PM2 services are shown for an individual server. All the APIs related to the server are shown with their respective details like server instance with their port number, CPU usage, memory usage, status, restart time, uptime and many more.

Users can select the time interval for which they want to view the details of the server. They can also select the hostname (servers IP) for different servers added in the Dashboard. There is also a refresh icon on the right top where syncing is done in real time.

CPU

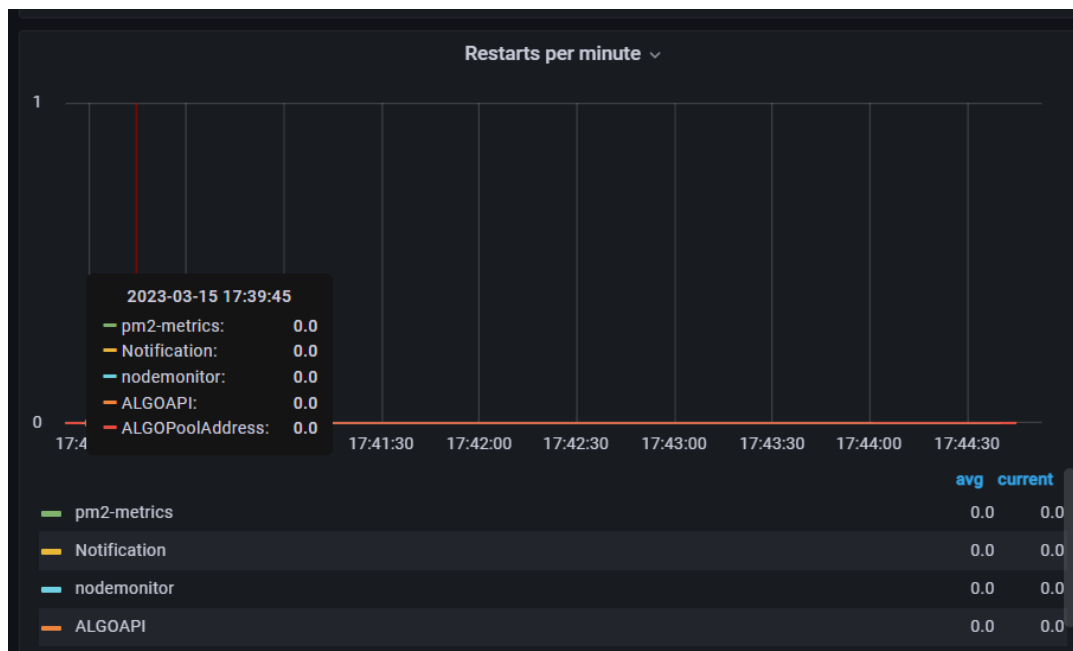|	min	max	avg	current ⌄
▬ ALGOPoolAddress	0.00	0.30	0.10	0.00
▬ ALGOAPI	0.00	0.30	0.13	0.00
▬ nodemonitor	0.00	2.50	0.49	0.00
▬ Notification	0.00	0.30	0.10	0.00

Below this there is another view for CPU status, which responds in real time and shows the status of each and every APIs running in the server with the customizable graphs and below the graph the details are shown like Minimum usage, maximum usage, average usage and current usage.

Memory

	min	max	avg	current
▬ pm2-metrics	69.53 MB	70.46 MB	70.01 MB	69.87 MB
▬ Notification	144.20 MB	145.31 MB	144.71 MB	144.41 MB
▬ nodemonitor	64.23 MB	65.27 MB	64.76 MB	65.06 MB
▬ ALGOAPI	82.92 MB	83.82 MB	83.46 MB	83.55 MB

Besides the CPU details Graph, there is a memory representation of the server which looks like a CPU but differs only with status and Graphical representation. It shows the RAM usage in the server by all the APIs present in the server. Details are the same like Minimum usage, maximum usage, average usage, and current usage, and display the details in MB.

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The above representation shows the restart time (per minute) of the available APIs in the server. If any API or server restarts using pm2 command then this section will show the restarting time in minutes.