



Visualizing Data

Dashboard Overview

Panels and Charts

Dashboard Highlights

Panel Types

Time Series Panel

Categorial Panel

What is the difference between a categorical and time series panel?

Single Value Panel

Map Panel

Text Panel

Service Map Panel

Trace List Panel

Dashboard Overview

- Contain a collection of panels

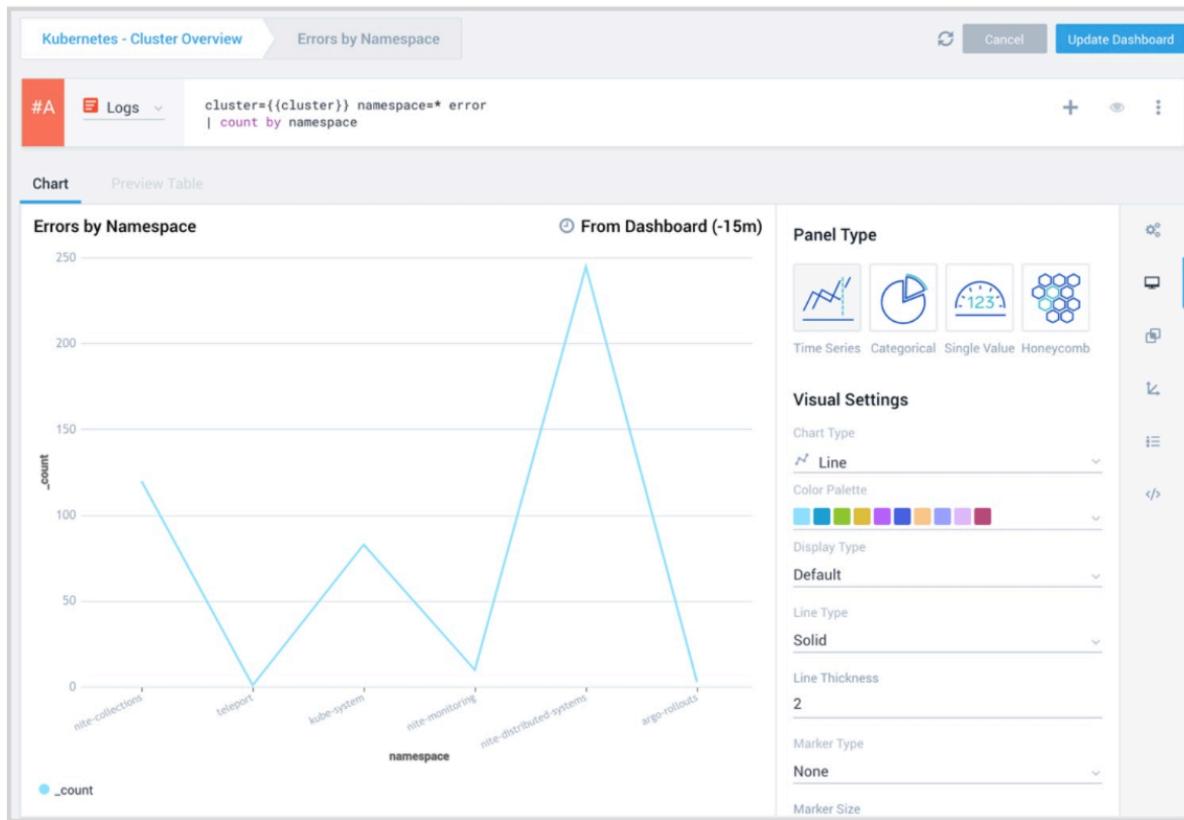
Panels and Charts

Untitled panel

Choose a panel type to get started

Time Series	Categorical	Single Value	Map	Text	Honeycomb

- The **data panels** provide a graphical representation in the form of a **chart** of your organization's data.
 - **Building blocks** used to create a dashboard
 - Each panel displays analytics for a **specific query**
- Ex) Chart displayed on a Time series panel (Showing number of errors by namespace)



Dashboard Highlights

- Select **Time range** to view data for the corresponding panel



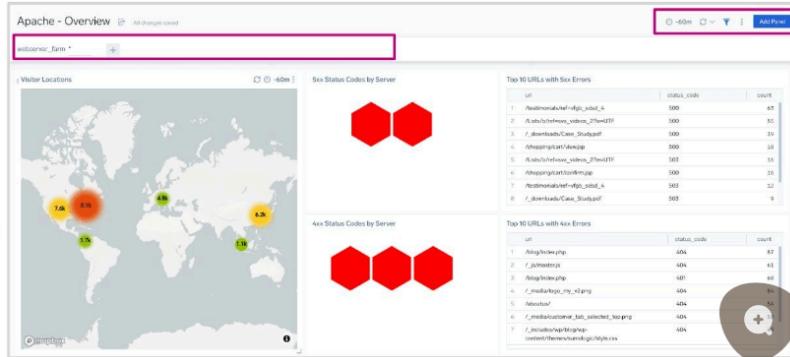
- **Auto Refresh:** Ability to configure the refresh interval rate



- Ability to add panels inline through **Add a Panel** button



- Each **Panel** processes results from a single search.
 - The variables work across both log and metric panels.

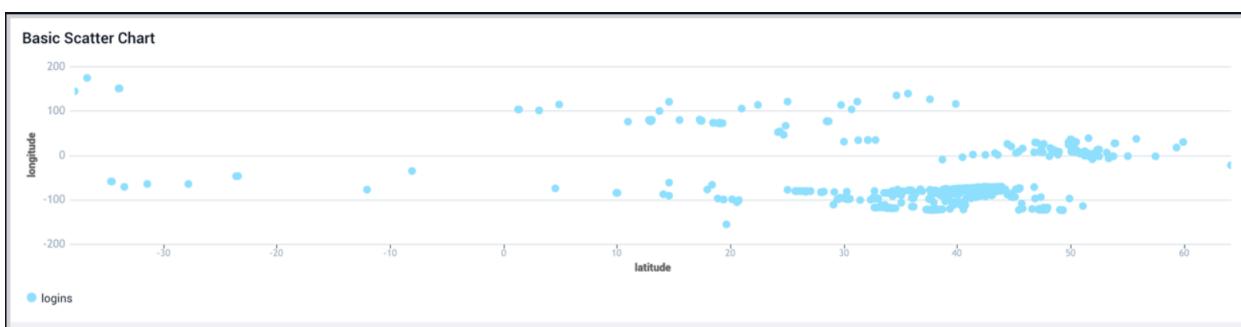


Panel Types

Time Series Panel

- Provide information on a **series of data** points **ordered in time**
 - A sequence taken at successive equally spaced points in time
 - CPU
 - Memory
 - Disk usage
 - Goal is usually to make a forecast for the future

Categorial Panel



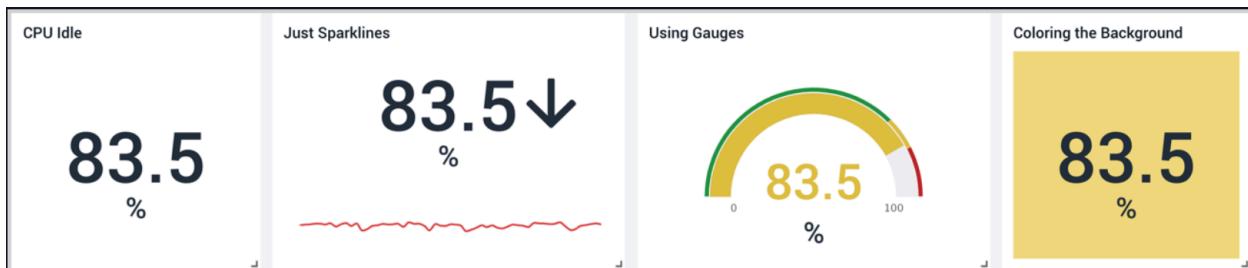
- Provide information on the **number of occurrences** (*frequency*) of **distinct values**.

- Best used to understand the distribution of data by categories.

What is the difference between a categorical and time series panel?

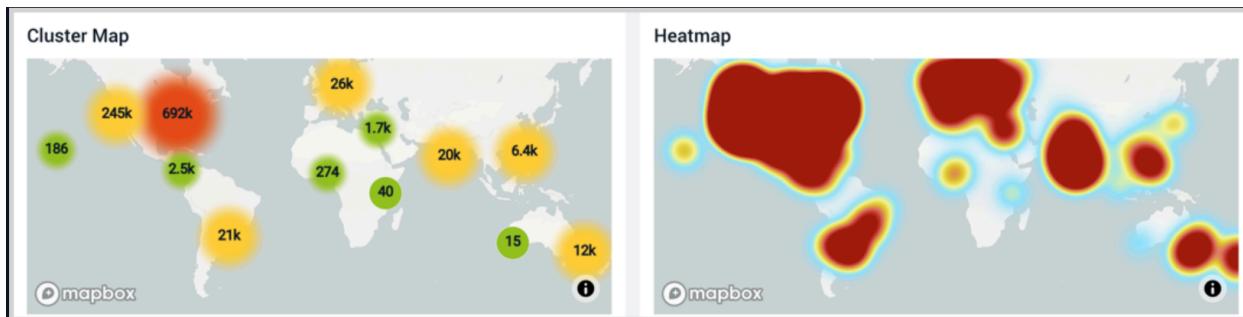
- The **categorical** panel type contains charts that graph data **across categories**
 - Bar charts over categories
 - Column charts over categories
 - Pie Charts
 - Tables over categories
 - Bubble Charts
 - Scatter Charts
- The **time series** panel type is designed to graph data **over time**
 - Area
 - Bar
 - Column
 - Line
 - Table

Single Value Panel



- Great at providing high level overviews
- Can provide at-a-glance information to help decide where to inspect and troubleshoot further

Map Panel

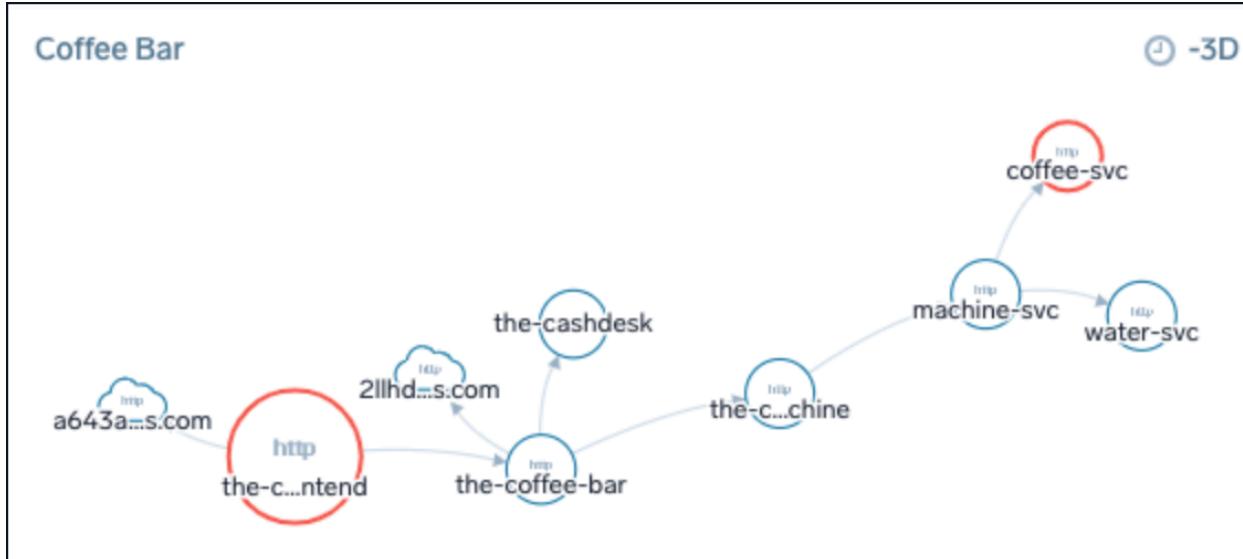


- Identify where requests are coming from

Text Panel

- Clarify what you are showing on dashboards or act as a note to your viewer
- Provide the flexibility to display descriptive text in or above other panels

Service Map Panel



- Display high-level views of your application environment
- Giving you a greater insight into your application architecture and dependencies between monitored microservices

Trace List Panel

Coffee Bar									-15m
Trace...	Root ...	Root ...	Start...	Durat...	Num...	Durat...	Num...	Status	
5f37...	the-...	click	10/0...	100...	1		0	OK	
d6f5...	the-...	click	10/0...	0 ns	1		0	OK	
a89...	the-...	click	10/0...	277...	9		4	OK	
8e2...	the-...	click	10/0...	0 ns	1		0	OK	
53d...	the-...	click	10/0...	100...	1		0	OK	

< > Displayed traces from range [1, 15] out of 21,985 found.

- Captures and tracks **distributed business workflows**, by enriching and analyzing traces, logs, and metrics in real-time with automated generated application topology