

errorCode *

Welcome to the dashboards demo for dashboards!

This is one of a series of demonstration dashboards see:

1. [Basics](#)

2. [Time Series](#)

3. [Advanced Analytics](#)

4. [Advanced Techniques](#)

Checkout these micro learning videos:

• [Create a Dashboard](#) - [Create a Simple Dashboard](#) - [Customize a Dashboard](#) - [Share a Dashboard Inside Your Organization](#)

This is a set of dashboards that demonstrate how to write and format search output, and match that to various panel types.

Tip: Template Variables

Features: you can add a template variable to the dashboard enabling reuse between environments/services or to add filtering. In each search add the placeholder in moustache format:

{{variable}}

 or

{{{variable}}}

At search time it's replaced with value. Right now the errorCode variable for this dashboard is: *.

More info: [https://help.sumologic.com/Visualizations-and-Alerts/Dashboard_\(New\)/Filter_with_template_variables_-_moustache_format](https://help.sumologic.com/Visualizations-and-Alerts/Dashboard_(New)/Filter_with_template_variables_-_moustache_format)

Categorical Charting

The categorical chart category includes a range of panel types: single value, bar, pie and others. To use categorical charts you must include an aggregate operation in your log query such as count, sum, avg, pct etc

Simple Aggregations

These examples show how to aggregate by a single dimension for charts like bar, pie to to show a table.

```
| json field=_raw "errorCode"
| count by errorCode
```

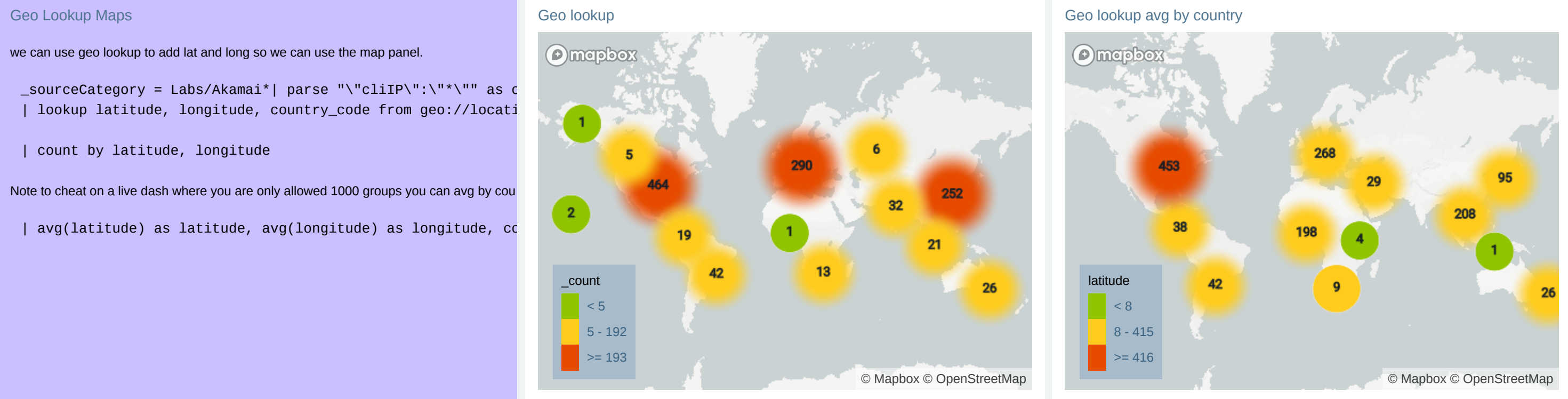
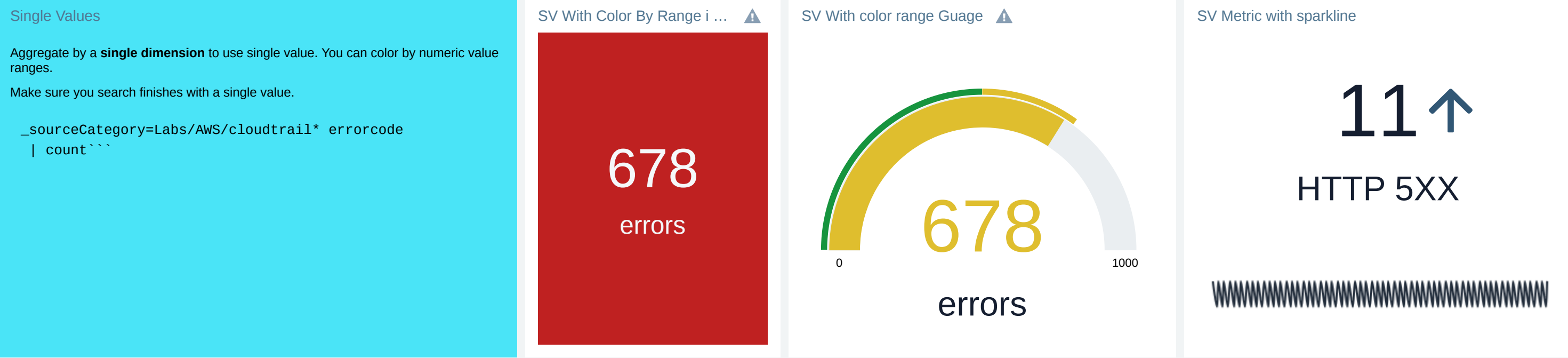
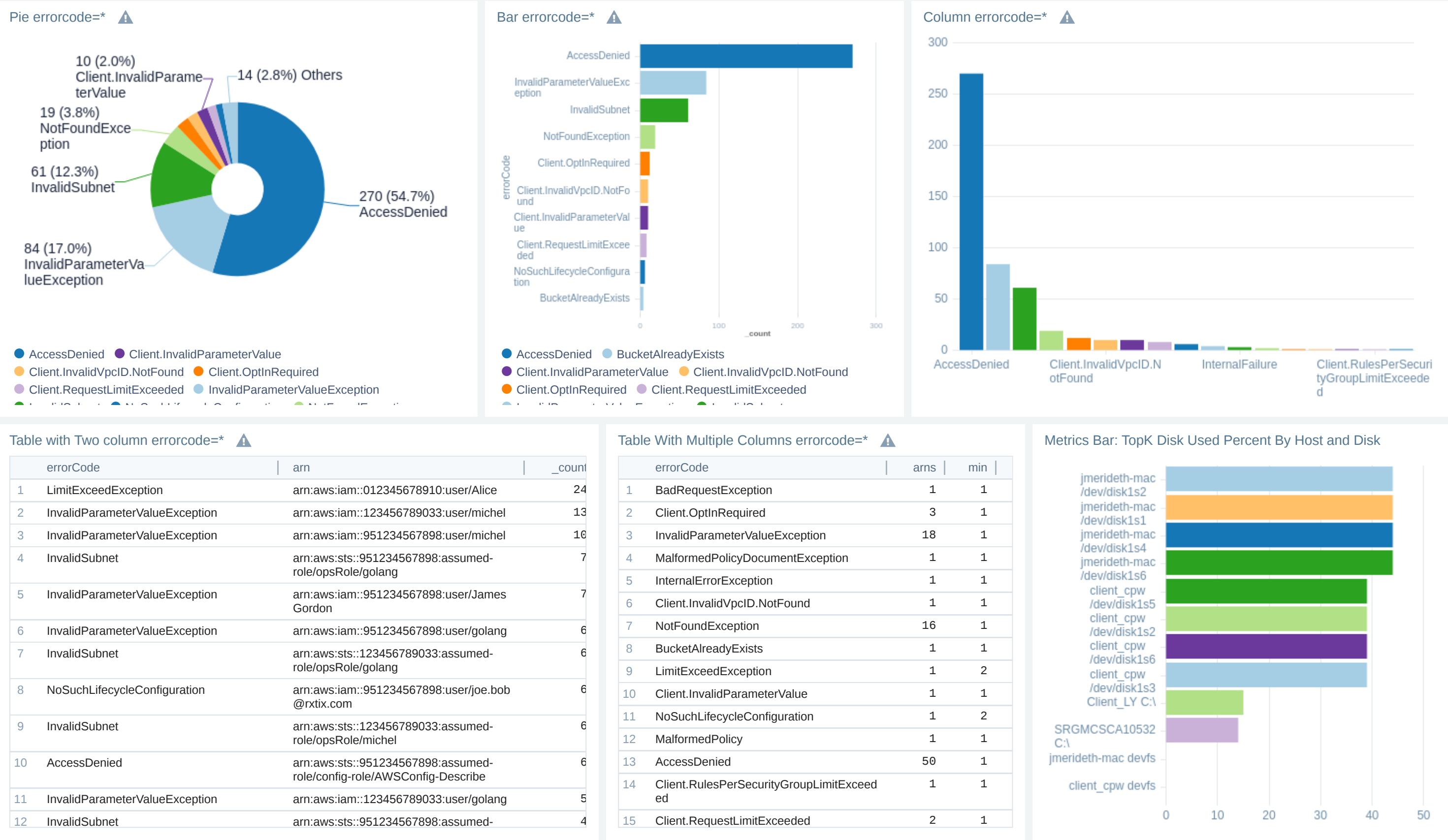
We can also aggregate by more than one operator or dimension:

```
| sum(a) as a, avg(b) as b, count by d,e,f
```

Some log panels can be filtered using the **errorCode** dashboard template variable

Metrics can also be used in aggregate panels often with an aggregate operator such as sum.avg, topk etc.

```
metric = Disk_UsedPercent _contenttype=hostmetrics | max by _collector,devName | topk(10,latest) by _collector,devname
```



Honeycomb Charts

Honeycombs are great for presting the realtime status of a group of things. They can be color coded by metric count (such as cpu) Often a honeycomb is combined with the liked dashboard drilldown feature or for obserability solutions clicking on a node opens the entity explorer. Honeycombs are most often used with metrics data but can be used for logs also.

Pods Running - Click on a Pod To Open Entity Explorer

2023-07-07 11:29:26 AM to 2023-07-07 11:44:26 AM

sumologic

kube-system

Tip: Linked Dashboards

You can link dashboards together to quickly view related data. Each panel can have links to other dashboards. When you select a data point on the panel you'll have an option to click on linked dashboards. This allows you to quickly reference other related dashboards to investigate.

Click on a section in the bar, column or pie charts and choose 'Panel Cookbook Drilldown' in linked dashboards. Links can also open the current dashboard with new template variable values.

More info: [https://help.sumologic.com/Visualizations-and-Alerts/Dashboard_\(New\)/Link_Dashboard_\(New\)](https://help.sumologic.com/Visualizations-and-Alerts/Dashboard_(New)/Link_Dashboard_(New))

Tip: Entity Explorer

Sumo Logic observability solutions create an entity heirarchy. You can click on a node in one of these node views to open the entity explorer. From there you can drill down to further content like relevant logs or metrics.

More info: [https://help.sumologic.com/Visualizations-and-Alerts/Dashboard_\(New\)/Drill_down_to_discover_root_causes](https://help.sumologic.com/Visualizations-and-Alerts/Dashboard_(New)/Drill_down_to_discover_root_causes)

Disk Used Percent By Volume Color Coded