Splunk® Enterprise Dashboards and Visualizations 7.3.0

Data structure requirements for visualizations

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Visualizations require search results in specific formats or data structures. Write queries to generate results in the correct format for the visualization that you are building.

This topic provides an overview of data structures for visualizations. To learn about requirements for a specific visualization and how to generate results in the correct format, see one of the following topics.

Events list
   Using events lists

Table visualizations
   Generate a table

Charts
   Pie chart
   Column and bar charts
   Line and area charts
   Scatter chart
   Bubble chart

Single value
   Generate a single value

Gauges
   Using gauges

Maps
   Mapping Data

For an overview of visualization options, see the Visualization Reference in this manual.

Data and formatting requirements

Depending on the visualization that you are creating, you can use specific search commands to generate results in the correct format. For example, many visualizations require a search using transforming commands, such as stats, chart, timechart, or geostats to render.
Charts visualize one or more data series, or related data points. Depending on the chart type or complexity, the number and ordering of data series can vary.

Single value and gauge visualizations represent a single numerical value.

Maps combine a query and other data components, including data with coordinates or place information, lookup definitions, and geographical markup files.

**Using the statistics table**

When creating a visualization, you can check the Statistics table after running a search to make sure that result fields are generated correctly. The number and order of Statistics table columns show you the data structure that a search generated.

**Additional information**

Review specific visualization topics to check data format requirements and query recommendations.

To learn more about search commands that can generate visualizations, see the following topics.

- Statistical and charting functions in the Search Reference
- About transforming commands in the Search Manual