



Splunk® Enterprise Search Tutorial 8.1.0

Create dashboards and panels

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Create dashboards and panels

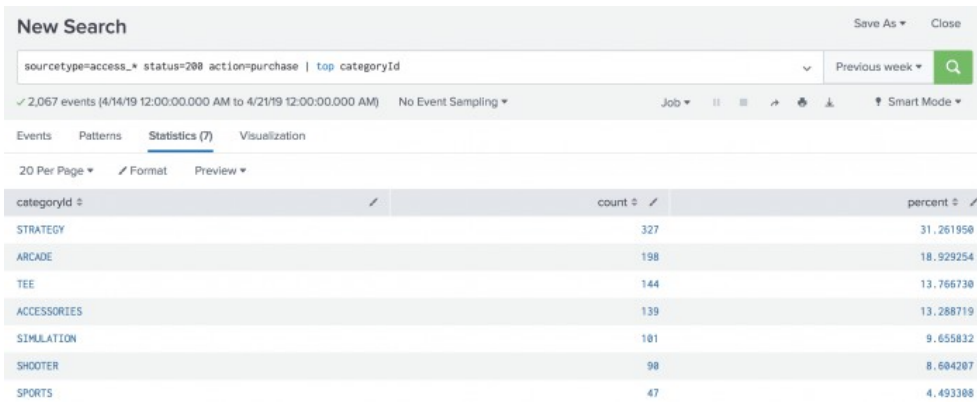
In this section, you will save a search as a dashboard panel and add an input element to the dashboard.

Save a search as a dashboard panel

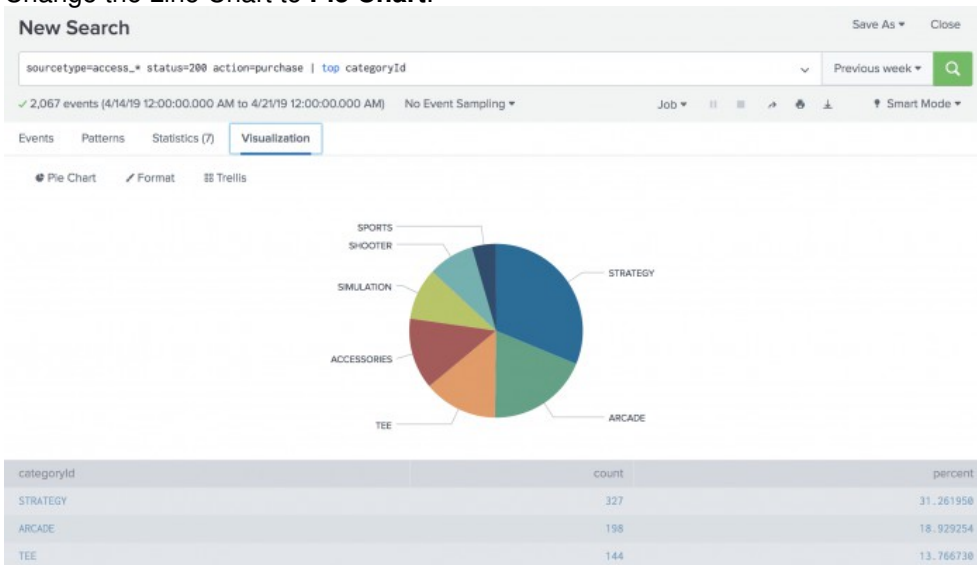
1. Start a new search.
2. Change the time range to **Previous week**.
3. Run the following search.

```
sourcetype=access_* status=200 action=purchase | top categoryId
```

This search returns events from web server access log files for successful (status=200) purchases. The `top` command automatically returns the **count** of purchases for each product and the **percent** each product is of the total purchases.



4. Click the **Visualization** tab. The displays shows a Line Chart.
5. Change the Line Chart to **Pie Chart**.



6. Click **Save As** and select **Dashboard Panel**.
7. Define a new dashboard and dashboard panel.
 1. For **Dashboard**, click **New**.
 2. For **Dashboard Title**, type `Buttercup Games - Purchases`.
The **Dashboard ID** field displays `buttercup_games__purchases`.
 3. For **Dashboard Description**, type `Reports on Buttercup Games purchases data`.
 4. For **Dashboard Permissions**, keep the default setting **Private**.
 5. For **Panel Title**, type `Top Purchases by Category`.
 6. For **Panel Content**, keep the setting for **Pie Chart**.

Save As Dashboard Panel X

Dashboard New Existing

Dashboard Title

Dashboard ID
Can only contain letters, numbers and underscores.

Dashboard Description

Dashboard Permissions Private Shared in App

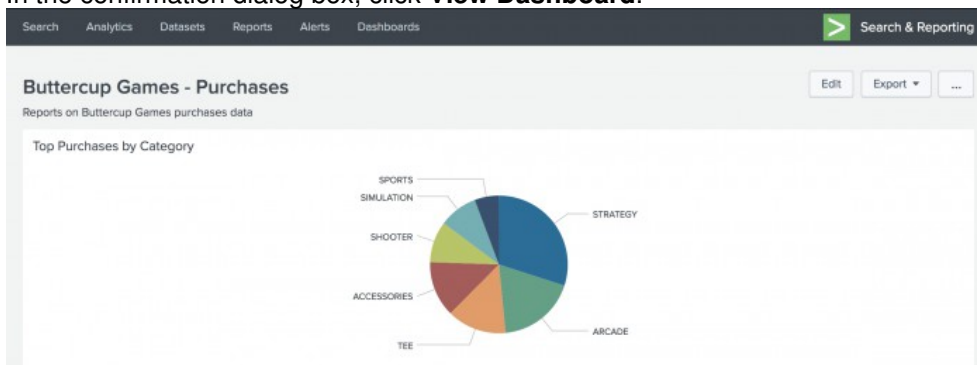
Panel Title

Panel Powered By?

Drilldown?

Panel Content Statistics Pie Chart

8. Click **Save**.
9. In the confirmation dialog box, click **View Dashboard**.



You now have a dashboard with one report panel. To add more report panels, you can either run new searches and save them to this dashboard, or you can add saved reports to this dashboard. You will add more panels to this dashboard in the next section.

For now, let's spend a little bit more time on this dashboard panel.

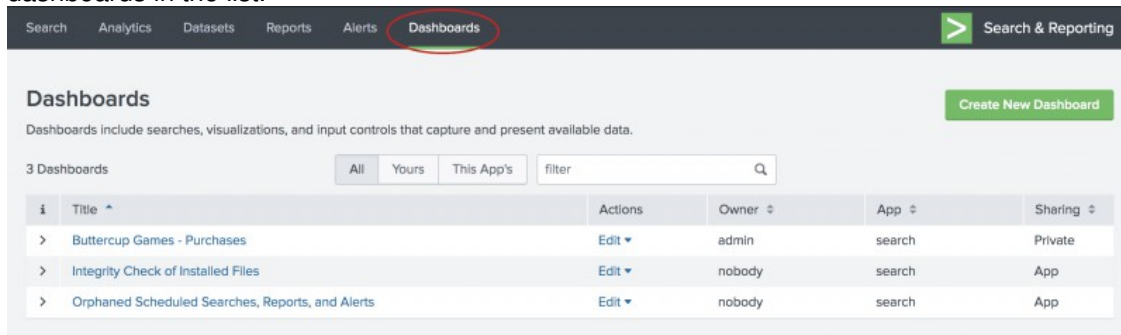
View and edit dashboard panels

There is a separate view to see a list of the dashboards that you have access to. From this view, you can create dashboards, and make changes to dashboards and dashboard panels.

1. Click **Dashboards** in the App bar to see the Dashboards view.

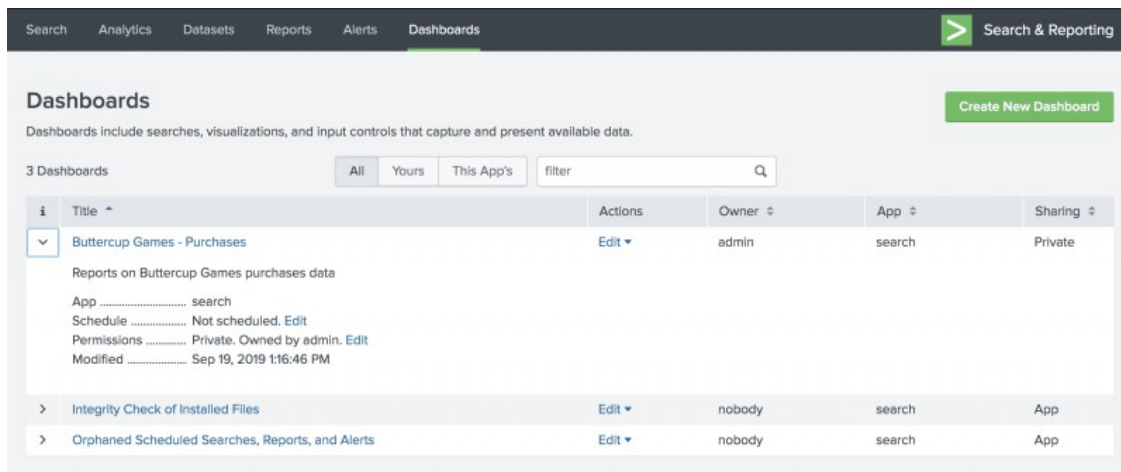
You might see a pop-up dialog box asking if you want to take a tour about dashboards. If you take the tour, there is an option at the end of the tour to try dashboards yourself. This option displays the Dashboards view.

In addition to the **Buttercup Games - Purchases** dashboard that you created, there are several built-in dashboards in the list.



2. For the **Buttercup Games - Purchases** dashboard, click the arrow (>) symbol in the **i** column to expand the dashboard information.

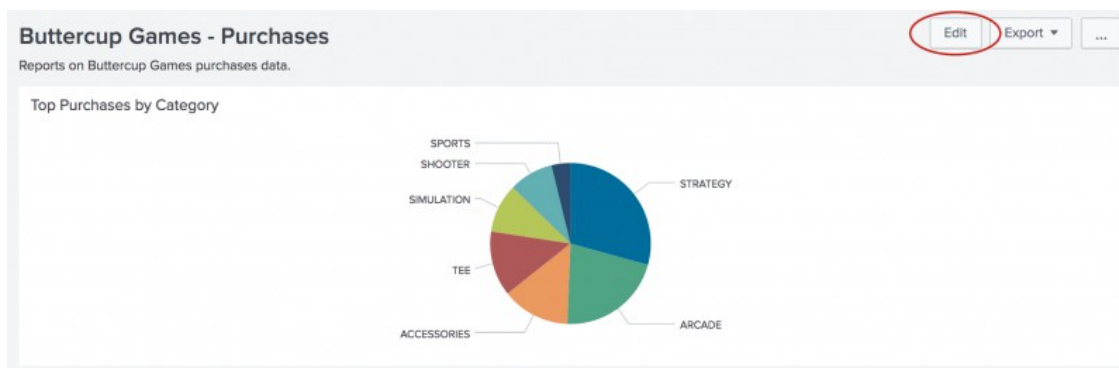
You can see information about the app that this dashboard is associated with, whether or not the dashboard is scheduled, and the dashboard permissions.



Add controls to a dashboard

You can add input controls, such as the Time range picker, to dashboard panels.

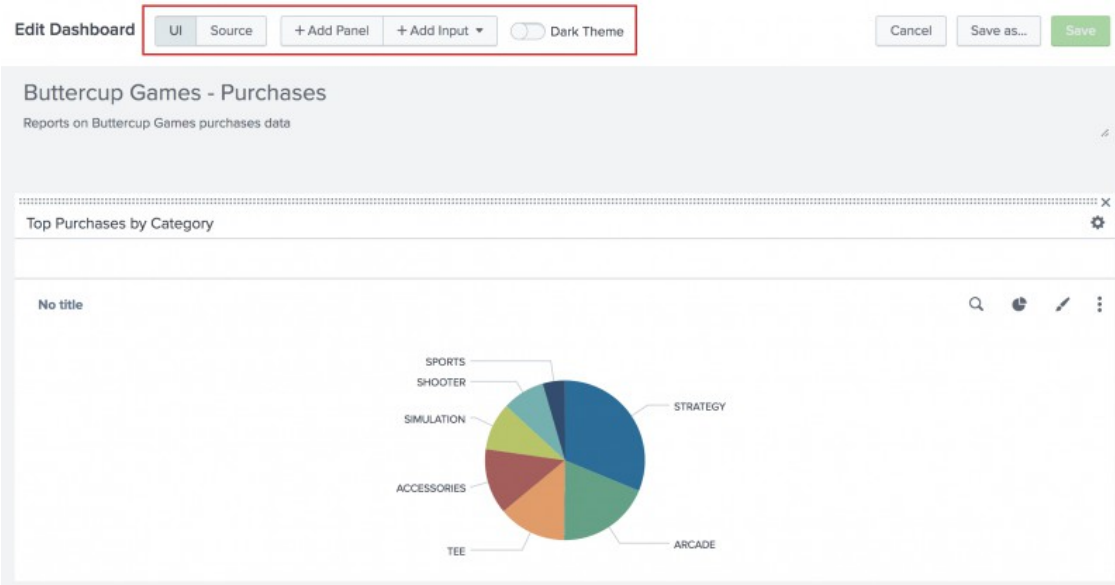
1. In the **Dashboards** list, click **Buttercup Games - Purchases** to display that dashboard.
2. Click **Edit**.



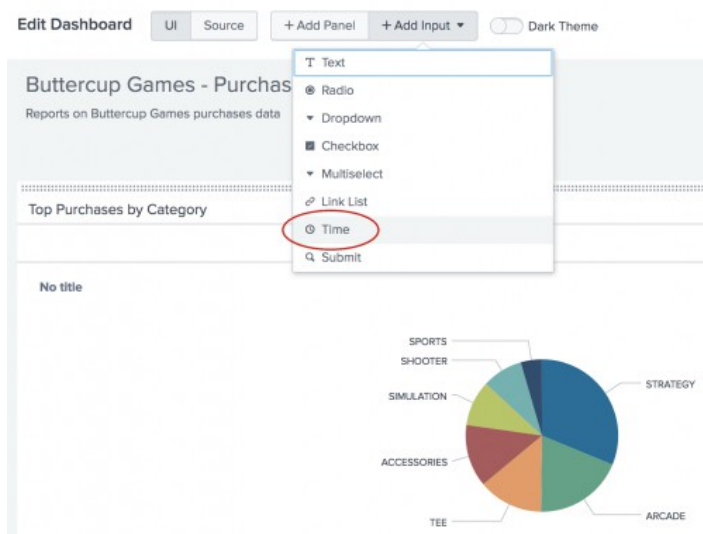
You can either edit the dashboard using the UI or the Source. With the UI option you can add panels and inputs to the dashboard.

- ◆ You can use the **Add Panel** option is used to create a new panel, add a report as a panel, or clone from an existing dashboard.
- ◆ You can use the **Add Input** option to choose from a list of controls to add to the dashboard, including text, a checkbox, and a time range picker.
- ◆ You can use the **Dark Theme** option to change the background appearance of the dashboard. To enable the theme change, you must **Save** and **Refresh** the dashboard.

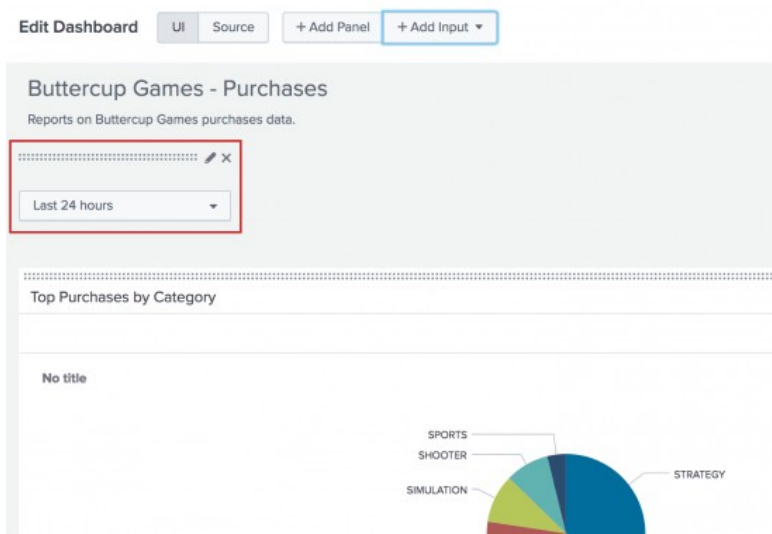
With the Source option, you can edit the XML source for the panel directly. Editing the source directly is not discussed in this tutorial.



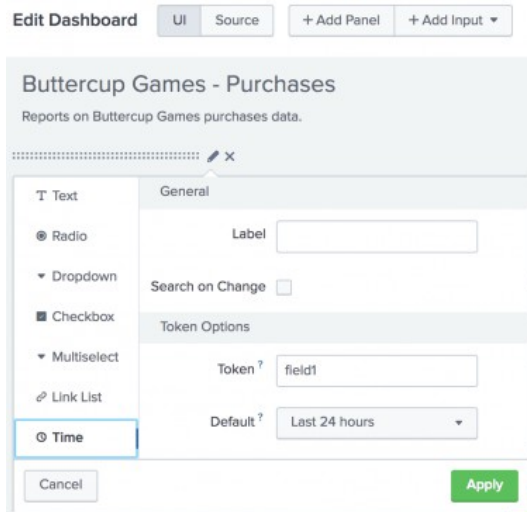
3. Click **Add Input**, and select **Time**.



The Time range picker input control appears on the dashboard.



4. Click the **Edit Input** icon for the Time range picker. The icon looks like a pencil. This opens a set of input controls. The **Time** input type is selected.



1. For **Label**, type `Time range`.
2. For **Token**, replace the default token name `field1`. Type `BG_Purchases_Time_Range`.

The controls that you add to a dashboard have identifiers called **input tokens**. This step redefines the name of the input token for the Time range picker. The default names for input tokens are `field1`, `field2`, `field3`, and so on. You can change the input tokens when you add controls to your dashboard. Naming the tokens makes it easier to understand which input you are working with. In this example you are using a token name that includes the a short version of the dashboard title.

3. For **Default**, change the default time range to **Previous week**.
4. Click **Apply**.

The input controls that you add to a dashboard are independent from the dashboard panels. If you want the chart on the panel to refresh when you change the time range, you need to connect the dashboard panel to the Time range picker input control.

5. In the dashboard panel, click the **Edit Search** icon. The icon looks like a magnifying glass.

The screenshot shows the 'Edit Dashboard' interface for 'Buttercup Games - Purchases'. At the top, there are buttons for 'UI', 'Source', '+ Add Panel', and '+ Add Input'. Below these are 'Cancel', 'Save as...', and 'Save' buttons. The main dashboard area has a title 'Buttercup Games - Purchases' and a subtitle 'Reports on Buttercup Games purchases data.'. There is a 'Time range' dropdown menu set to 'Previous week'. Below this is a panel titled 'Top Purchases by Category' which contains a pie chart. The pie chart is divided into seven segments: SPORTS, SHOOTER, SIMULATION, TEE, ACCESSORIES, STRATEGY, and ARCADE. On the right side of the dashboard, there is a 'More actions' menu with several options: 'Delete panel', 'Inline panel', 'Select visualization', 'Edit search', 'Format visualization', and 'More actions'. The 'Edit search' option is highlighted with a magnifying glass icon.

6. In the Edit Search dialog box, for **Time range** the default selection is **Use time picker**. Click to see the options. You want to select **Shared Time Picker (BG_Purchases_Time_Range)**.

Edit Search [X]

Title

Search String: `sourcetype=access_* status=200 action=purchase | top categoryId`

Run Search [Link]

Time Range: Use time picker ▼

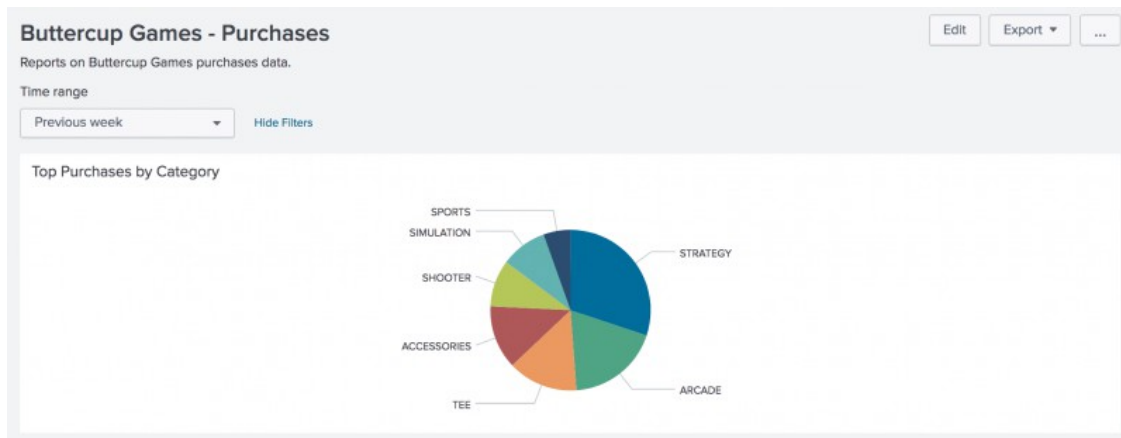
- Shared Time Picker (BG_Purchases_Time_Range)
- Use time picker
- Tokens
- Global

Auto Refresh Delay ?

Refresh Indicator

Cancel Convert to Report Apply

7. Click **Apply**.
8. In the **Edit Dashboard** window, click **Save** to save the changes to the dashboard. The panel is now connected to the Time range picker input control in the dashboard. This Time range picker is referred to as the **shared time picker**. The inline search that powers the panel now uses the time range that is specified in the shared time picker.



You can have dashboards that contain a mix of panels. Panels that are connected to the shared Time range picker, and panels that show data for the time range specified in the search that the panel is based on.

You will learn more about connecting other panels to the shared time picker in the next section.

Next step

Learn about adding more panels to a dashboard.

See also

About the Dashboard Editor in *Dashboards and Visualizations*