**SNIATM Swordfish Datadog Sample Integration User Documentation**

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# Introduction:

### What is Datadog?

Datadog is a monitoring service for cloud-scale applications, bringing together data from servers, databases, tools, and services to present a unified view of an entire stack. These capabilities are provided on a SaaS-based data analytics platform.

Datadog lets you collect all these metrics, events, and service states in one place. Then, visualize and correlate the data with beautiful graphs, and set flexible alerting conditions on it—all without running any storage or monitoring infrastructure yourself.

Datadog helps developers and operations teams see their full infrastructure – cloud, servers, apps, services, metrics, and more – all in one place. This includes real-time interactive dashboards that can be customized to a team’s specific needs, full-text search capabilities for metrics and events, sharing and discussion tools so teams can collaborate using the insights they surface, targeted alerts for critical issues, and API access to accommodate unique infrastructures.

### What is the SNIA Swordfish Sample Integration Dashboard for Datadog?

There are two functional components that, together, make up the SNIA SwordfishTM Datadog Sample Integration Dashboard functionality: the Datadog agent that collects information from the Swordfish APIs on the storage systems, and the Swordfish dashboard capability in the Datadog monitoring service.

Datadog Agent:

The Datadog Agent is a piece of software that runs on any host (or set of hosts if high availability configuration is required). Its job is to faithfully collect events and metrics and bring them to Datadog in order to present and manipulate the monitoring and performance data within the dashboard. The Datadog Agent is open source; view the source code on GitHub.

Swordfish Dashboard sample functionality:

* Swordfish Dashboard views: Capacity data and threshold values for different collections like Volumes, Storage pools and filesystems.
* Data Collection: Using different custom metrics, data-dog will collect all the required data and visualize it in to a Graph or Gauge

Purpose:

Understanding about data dog Dashboarding, usage and functionality.

# Overview:

Events:

The Event Stream is based on the same conventions as a blog:

* Every event in the stream can be commented on.
* Great for distributed teams and maintaining the focus of an investigation.
* You can filter by: user, source, tag, host, status, priority, incident

Dashboards:

Dashboards contain graphs with real-time performance metrics

* + Synchronous mousing across all graphs in a screenboard.
  + Vertical bars are events in the context of the metric.
  + Click & drag on a graph to zoom-in on a particular time-frame.
  + As you hover over the graph the event stream moves with you.
  + Display by zone, host, or total usage.

Metrics:

Custom metrics generally refer to any metric that you send using statsd, DogStatsD, or through extensions made to the Datadog Agent. Some integrations can potentially emit an unlimited number of metrics that can also count as custom, further details on which standard integrations emit custom metrics.

Dashboard:

Dashboard appears at left menu of Datadog home page as shown in figure below . No installations required for Datadog dashboard. We just need to select type of dashboard i.e.. Screenboard (or) Timeboard.

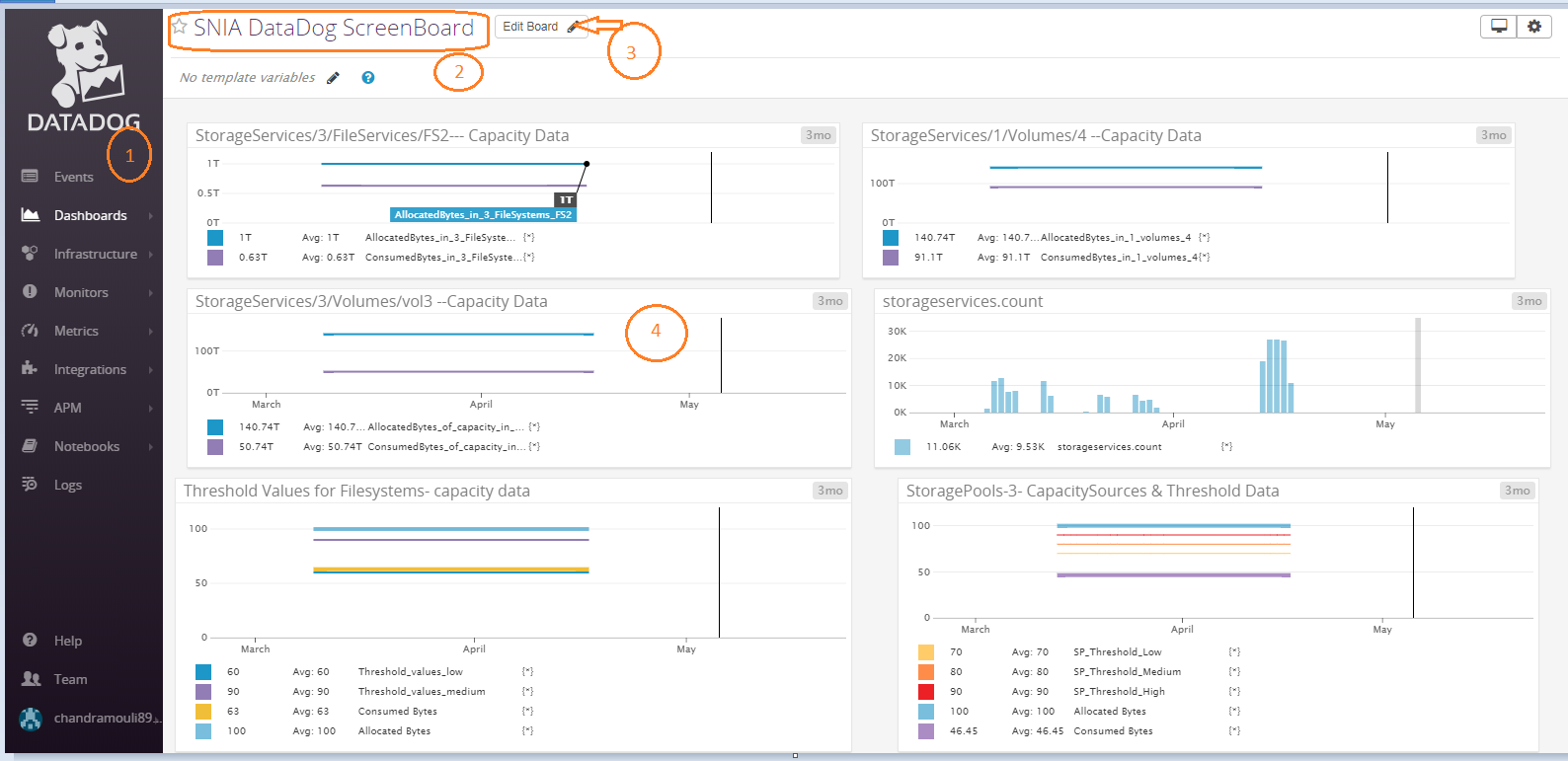
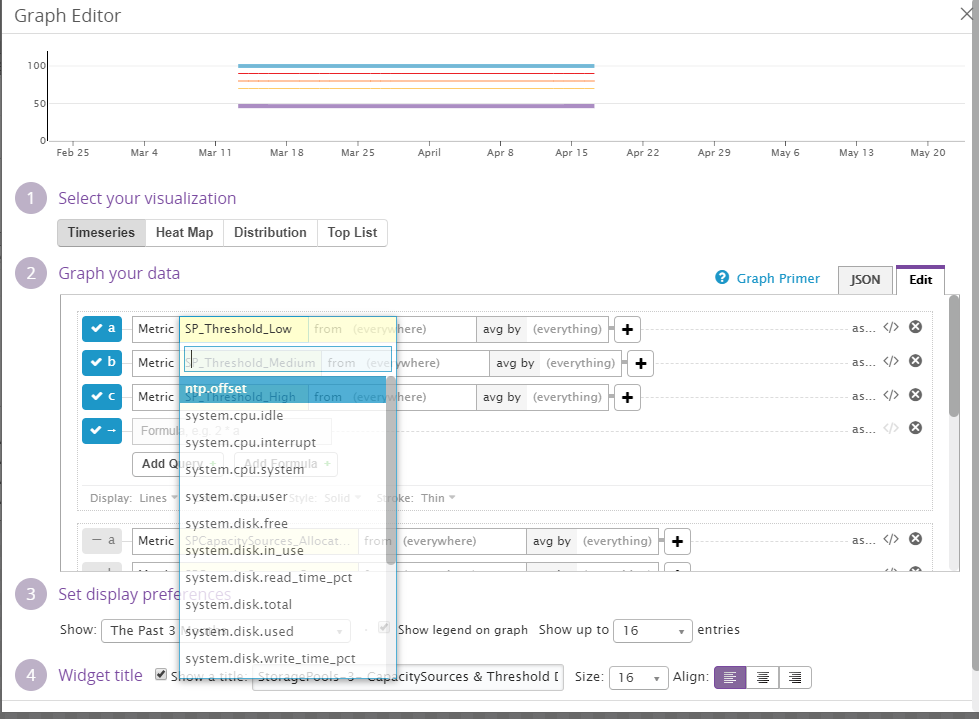


Fig1:- Main Dashboard

1. Menu-Bar.
2. Dashboard Title.
3. Edit Button of Dashboard.
4. Graph view.

## Graph Editor:

* + User can edit the graph and change the data and visualization.

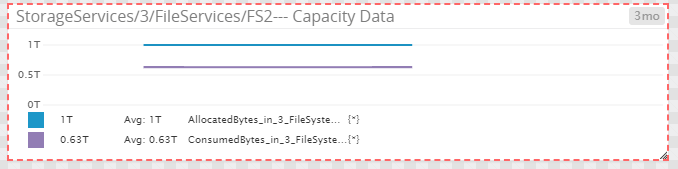


The graphing editor has three tabs:

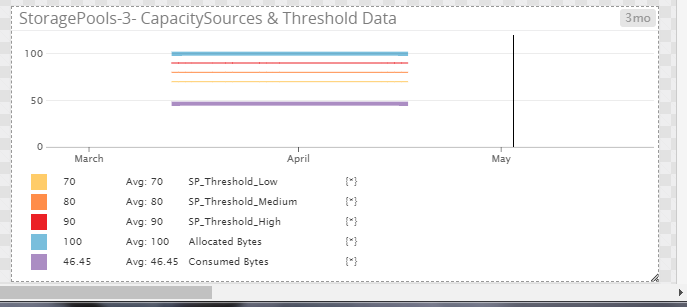
* Share: Allows you to embed the graph on any external web page. (Note: The share tab is only available on Timeboards.)
* JSON: The more flexible editor, but it requires knowledge of the graph definition language to make use of it.
* Edit: Default tab that allows you to use a GUI to select the graphing options.

## Dashboard Screens:

1🡪Below figure shows capacity data in FileServices .



2🡪 Capacitydata with Threshold values.



The same way to display all the storage services dashboard in data dog and monitoring the capacity every time with periodical schedule.