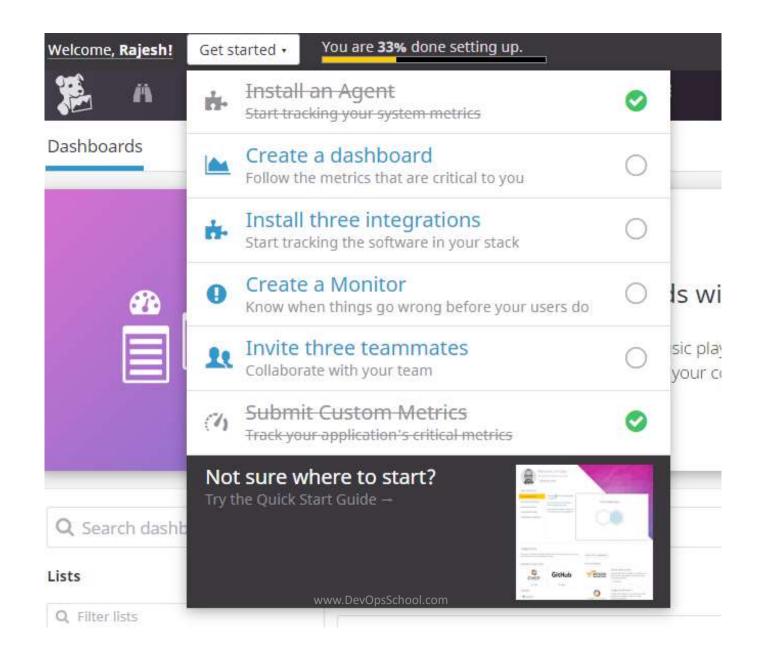
Getting Started in Datadog

Rajesh Kumar www.DevOpsSchool.com



Datadog: Integrations

An integration, at the highest level, is when you assemble a unified system from units that are usually considered separately.

At Datadog, you can use integrations to bring together all of the metrics and logs from your infrastructure and gain insight into the unified system as a whole — you can see pieces individually and also how individual pieces are impacting the whole.

www.DevOpsSchool.com

Datadog: Integrations

- Datadog has over 400+ integrations officially listed.
- Custom integrations are available via the Datadog API.
- The Agent is open source.
- Once integrations have been configured, all data is treated the same throughout Datadog, whether it is living in a datacenter or in an online service.

More than 400 built-in integrations

See across all your systems, apps, and services



https://www.datadoghq.com/product/integrations/#all

Datadog: Integrations

Datadog provides Four types of integrations:

- 1. Agent-based integrations are installed with the Datadog Agent and use a Python class method called check to define the metrics to collect.
- **2. Authentication (crawler) based integrations** are set up in the Datadog App where you provide credentials for obtaining metrics with the API. These include popular integrations like Slack, AWS, Azure, and Pager Duty.
- **3. Library integrations** use the Datadog API to allow you to monitor applications based on the language they are written in, like Node.js or Python.
- 4. You can also build a **custom check** to define and send metrics to Datadog from your unique in-house system.

Datadog: Setting up an integration

Datadog core integrations:- The Datadog Agent package includes integrations officially supported by Datadog, in integrations core. To use the integrations in integrations core, download the Datadog agent.

Refer - https://github.com/DataDog/integrations-core

Datadog Community-based integrations:- Community-based integrations are in integrations extras, and to use those, you need to download the developer toolkit.

Refer - integrations extras 0 https://github.com/DataDog/integrations-extras

Refer - developer toolkit -

https://docs.datadoghq.com/developers/integrations/new_check_howto/#developer-toolkit

https://docs.datadoghq.com/agent/guide/integration-management/

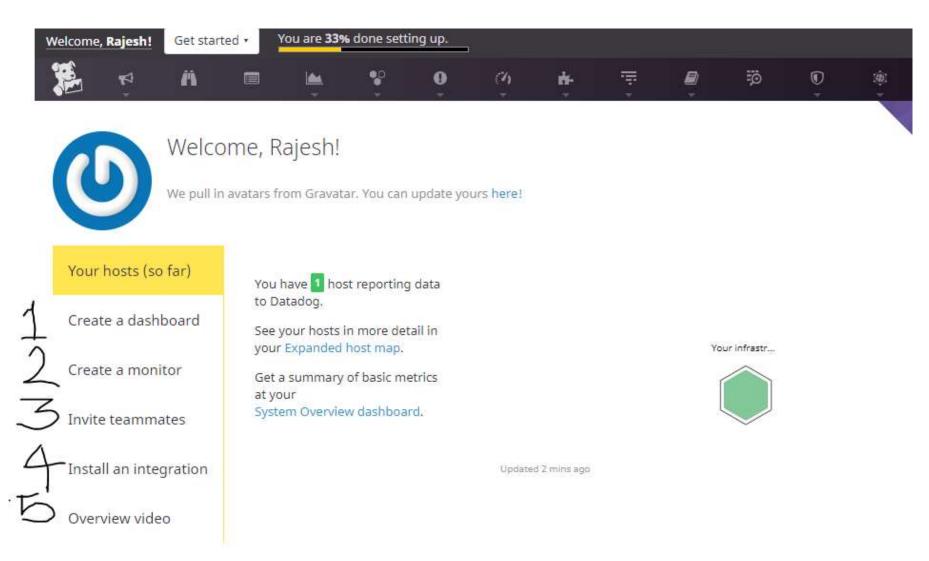
Datadog: Integration Management

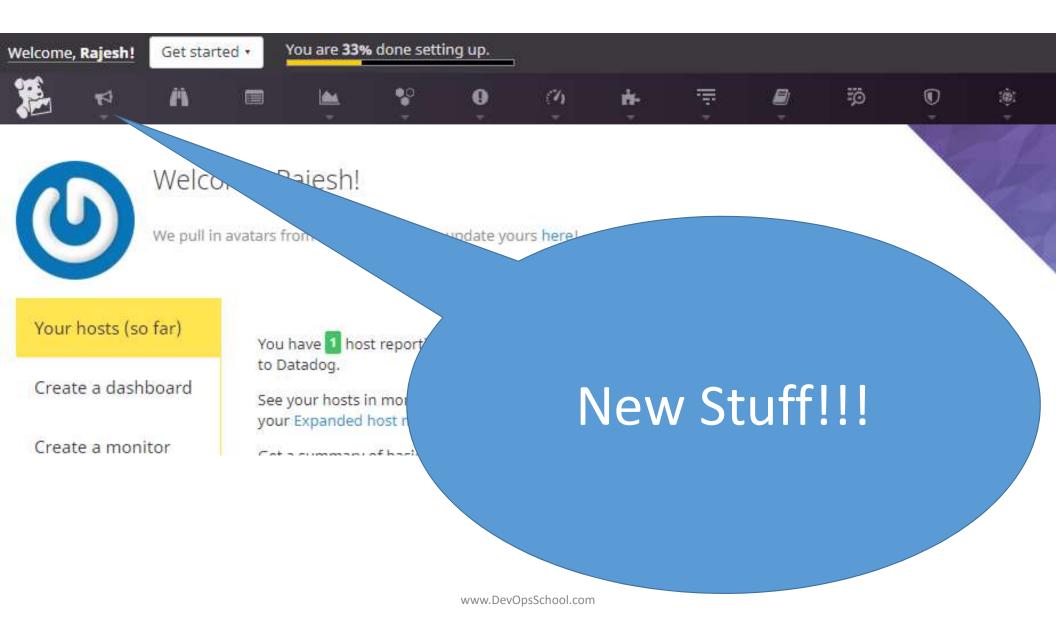
The Agent comes with a set of bundled official Datadog integrations to allow users to start monitoring their applications quickly. These integrations are available as single Python packages, and you can upgrade them separately.

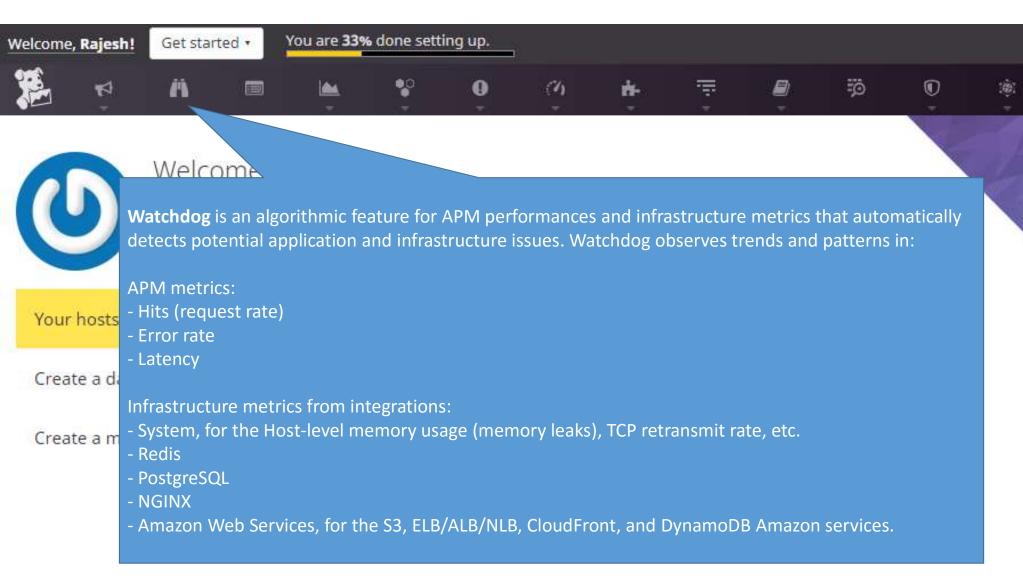
For Agent v6.8+, the datadog-agent integration command allows users to manage the official Datadog integrations that are available for the Agent. It has the following subcommands:

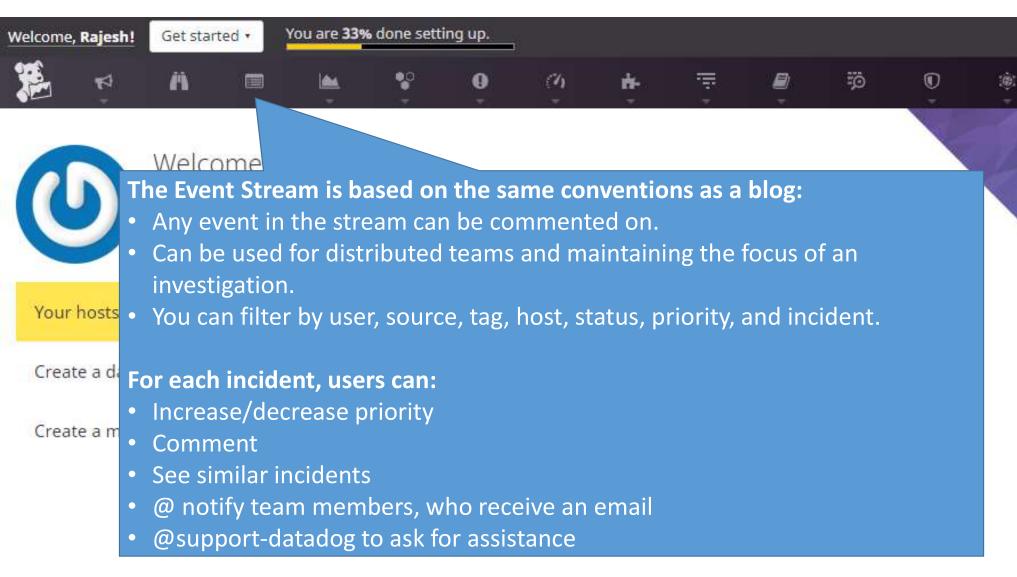
- install
- remove
- show
- freeze

Print the usage and documentation of these commands with datadog-agent integration --help. For Linux, execute the command as the dd-agent user. For Windows, execute the command as an administrator - www.DevOpsSchool.com



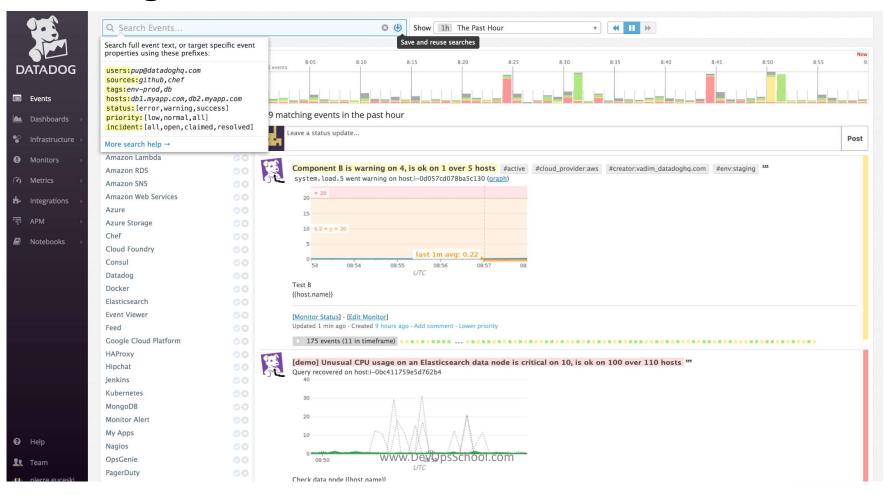


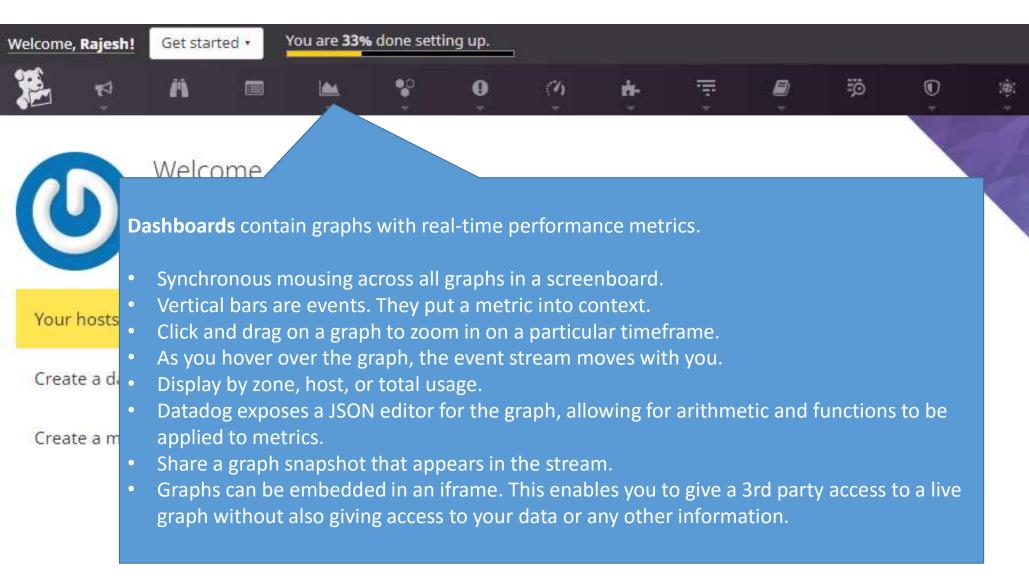




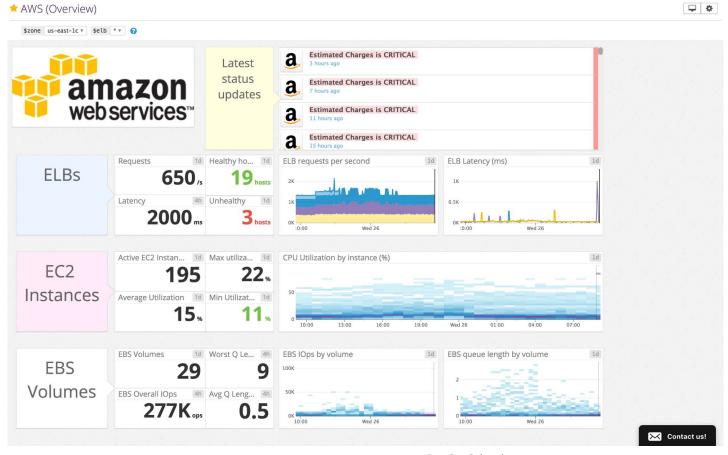
www.DevOpsSchool.com

Datadog: Events





Datadog: Dashboards

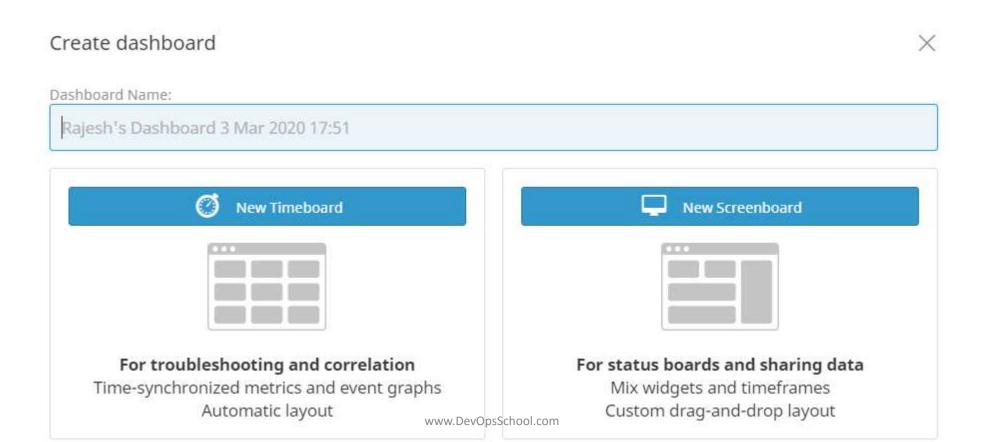


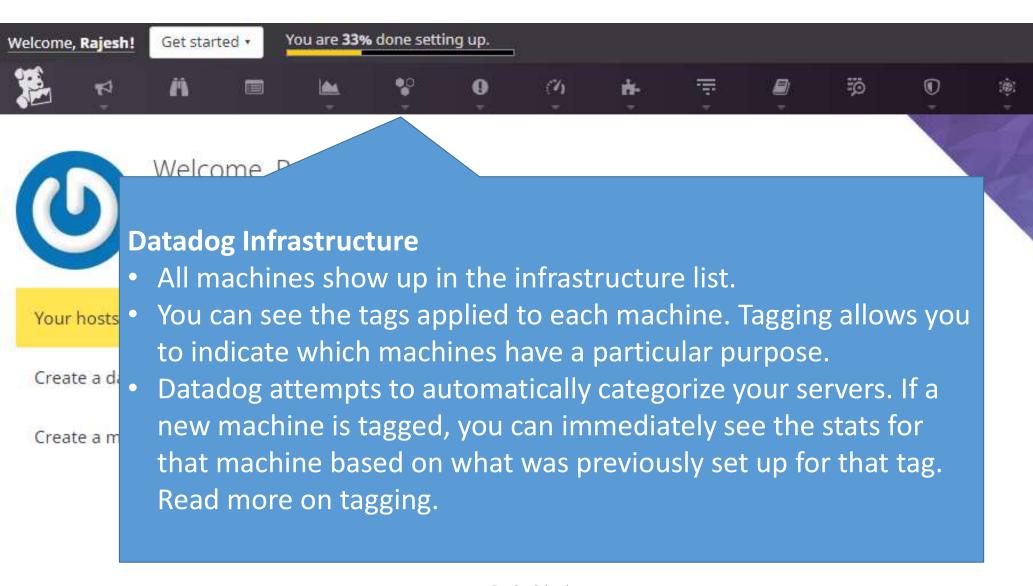
Datadog: Dashboards

Organize dashboards with lists

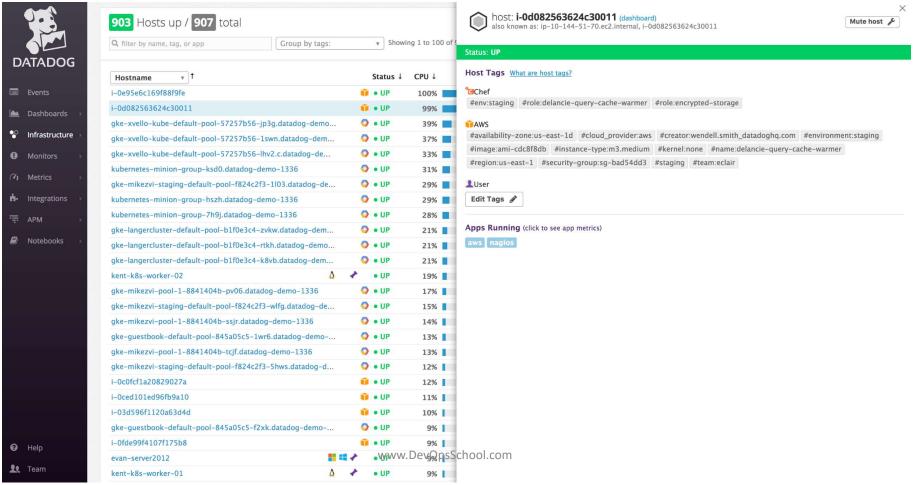
Like playlists in your favorite music player, dashboard lists let you group dashboards by topic, team, or just the stuff you use most! Find and favorite your colleagues' lists. Easily bulk edit or drag and drop.

Datadog: Dashboards





Datadog: Infrastructure

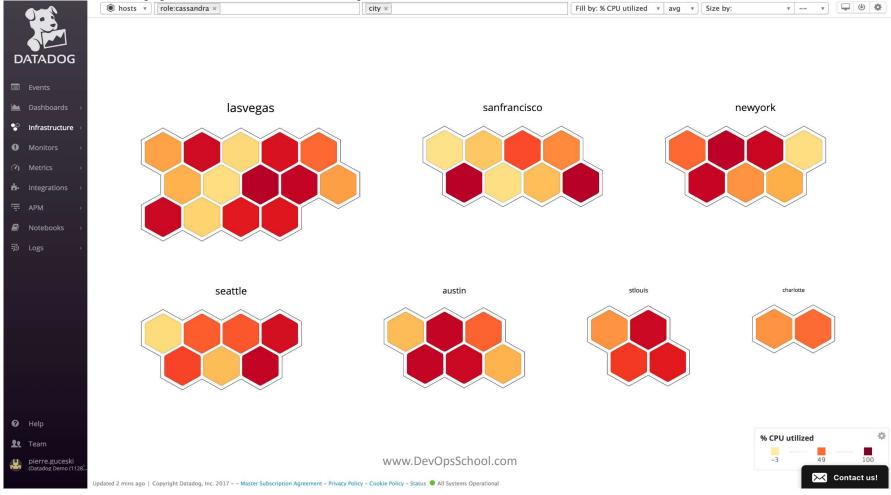


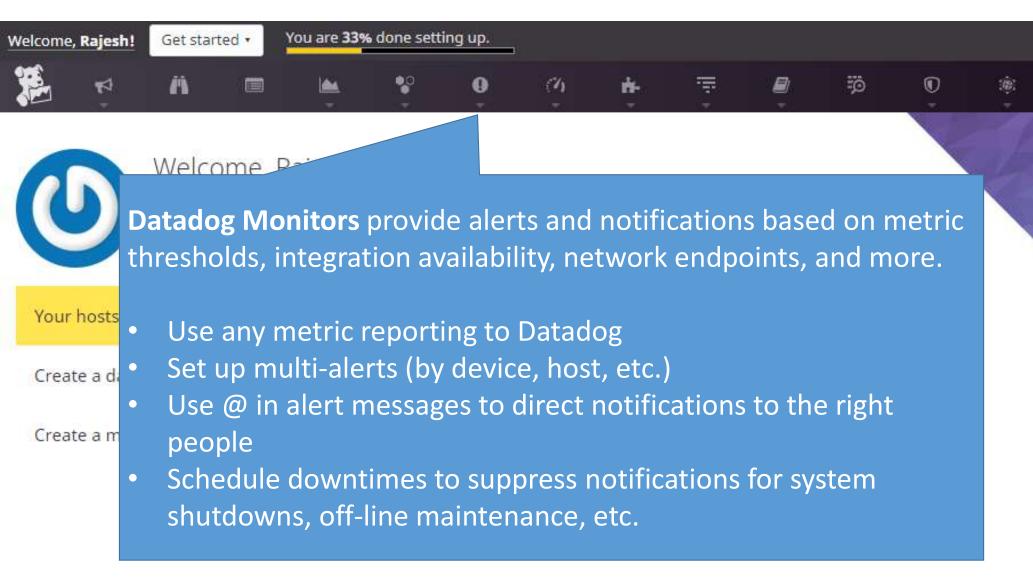
Datadog: Host Map

The Host Map can be found under the Infrastructure menu. It offers the ability to:

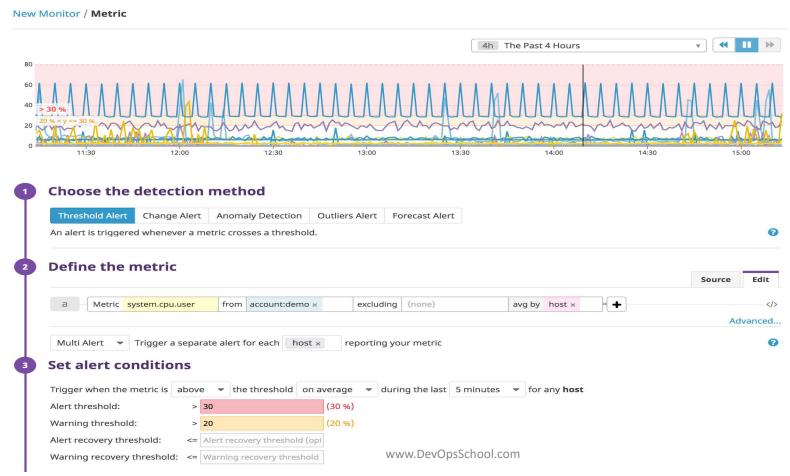
- Quickly visualize your environment
- Identify outliers
- Detect usage patterns
- Optimize resources

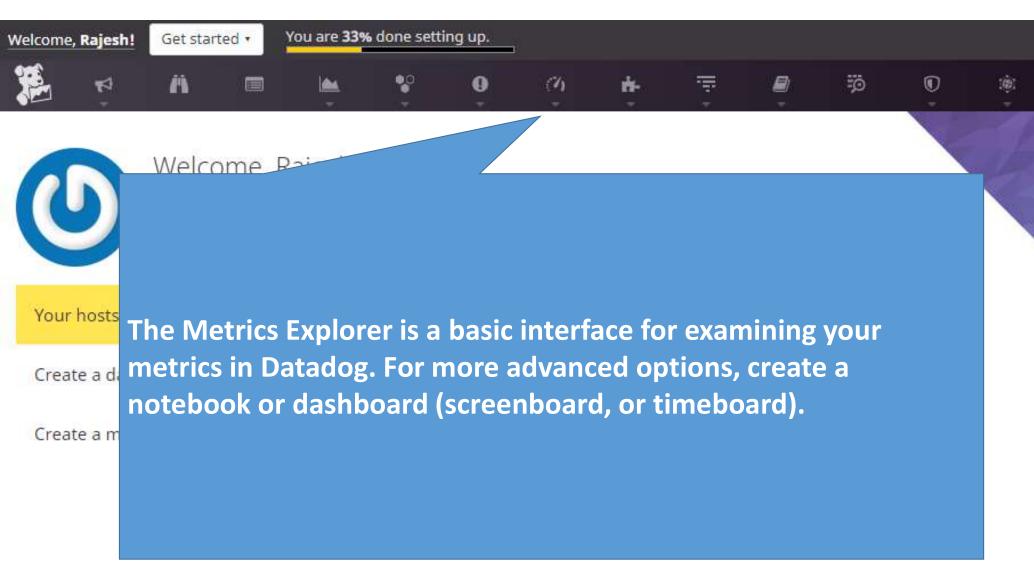
Datadog: Host Map

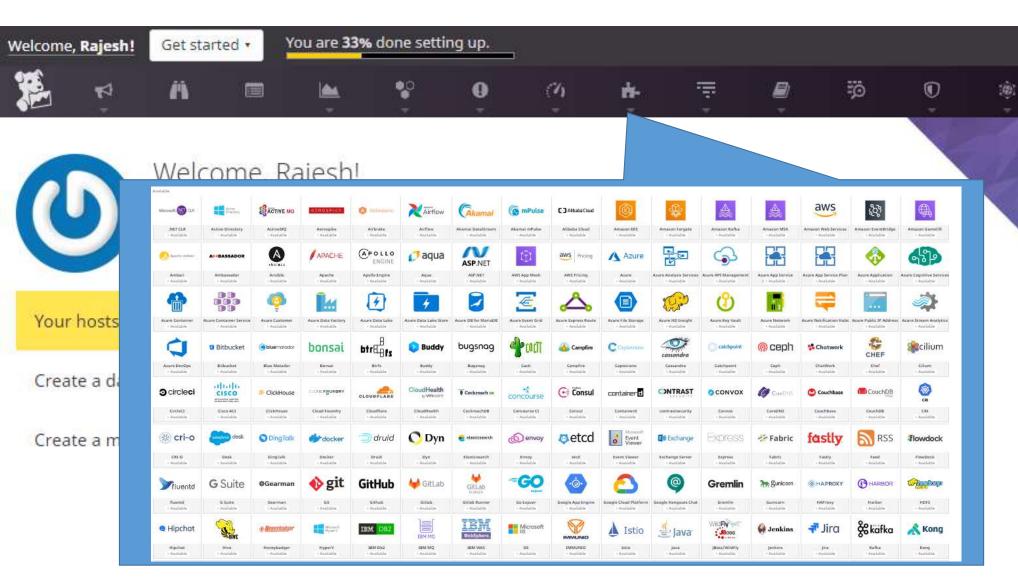


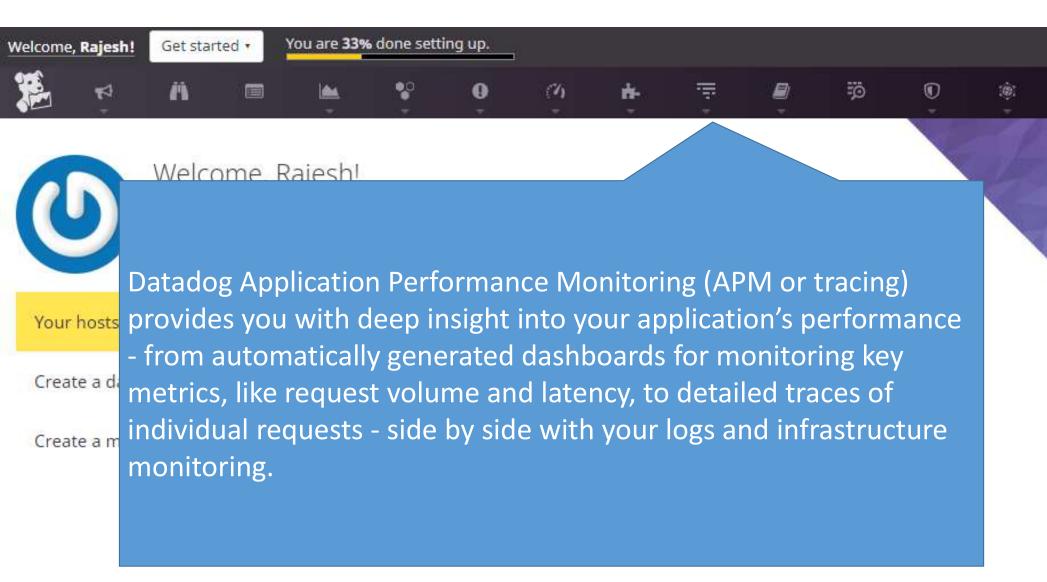


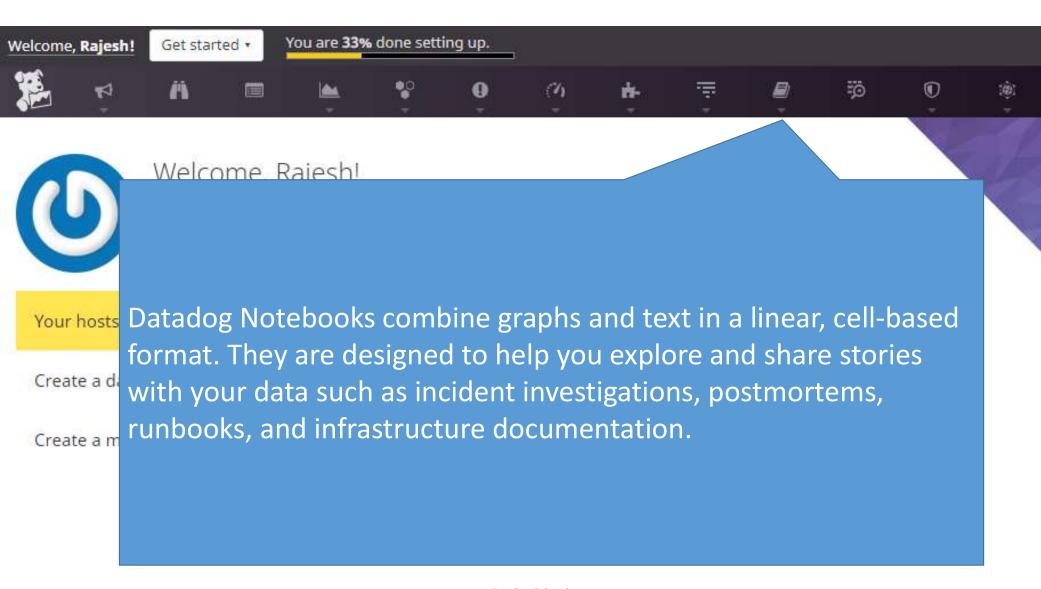
Datadog: Monitors

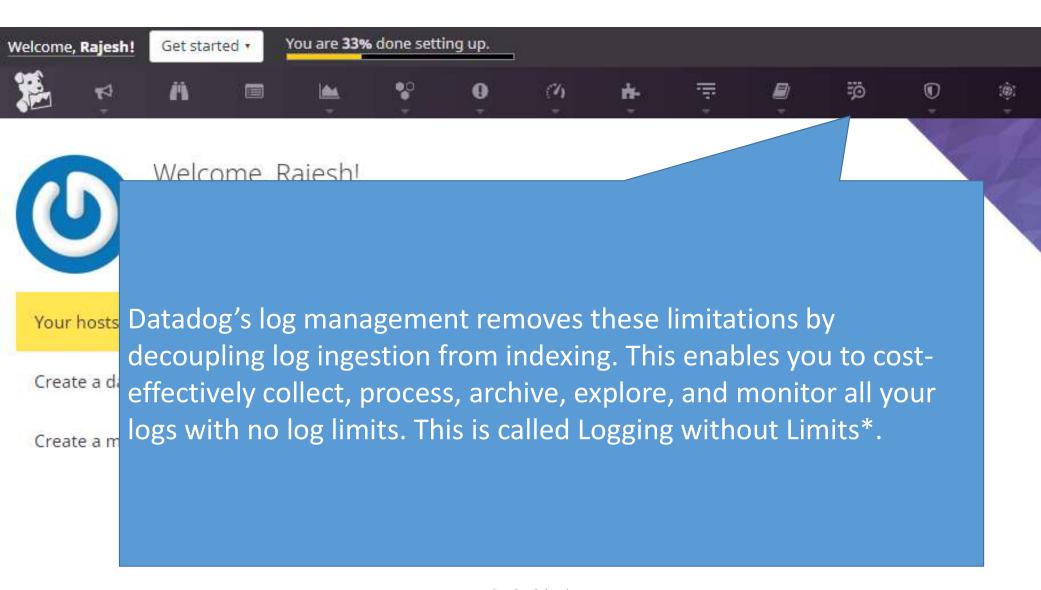


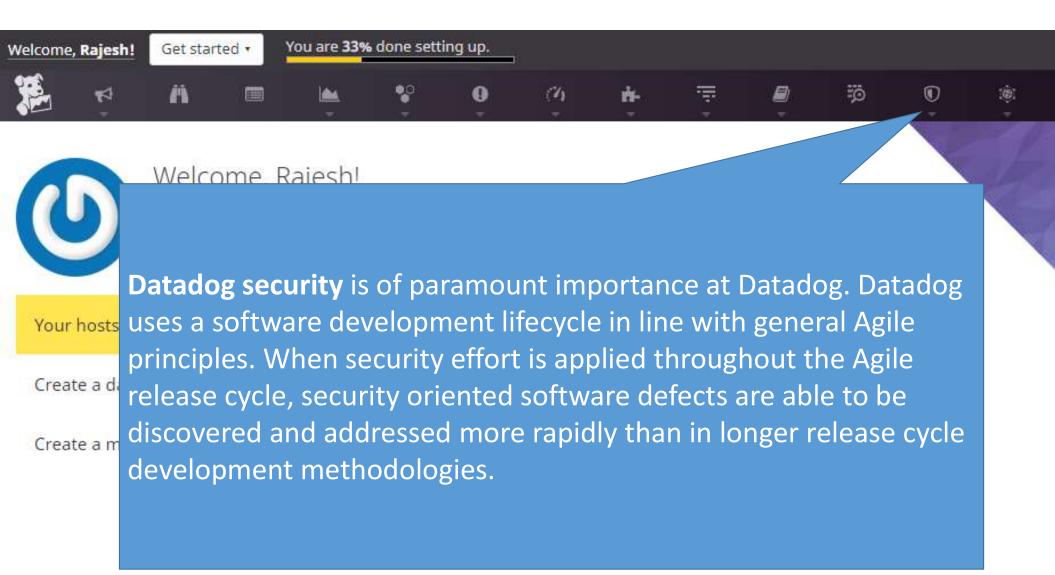


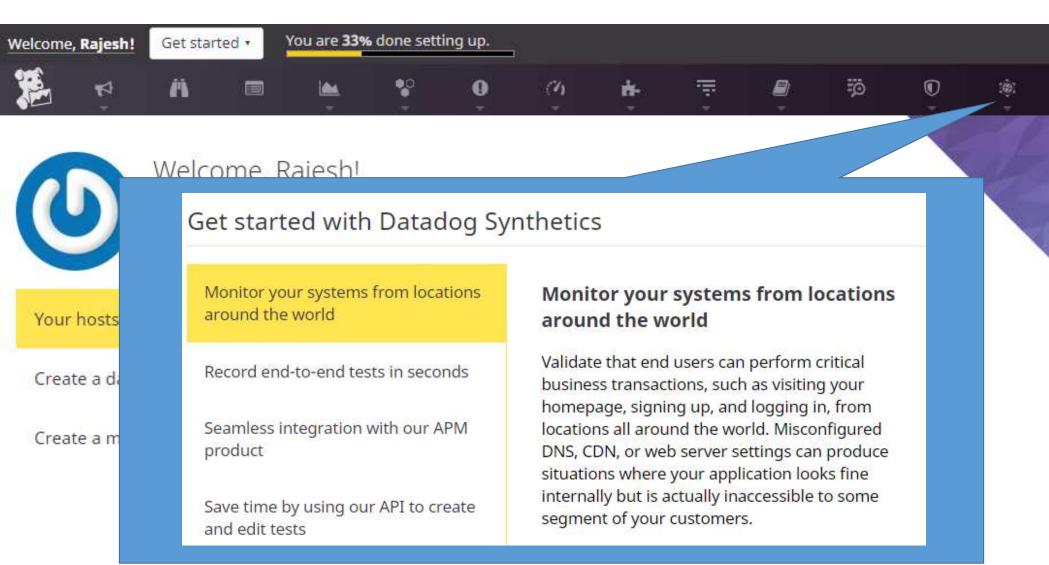












Step 1- Install Datadog Agents

Step 2- Create a Dashboard



Step 3- Install Three Integrations

Step 4- Create a Monitor

Step 5- Invite Three Teammates

Step 6- Submit Custom Metrics