**Course content**

13 sections • 65 lectures • 3h 22m total length

Expand all sections

The Setup8 lectures • 20min

* Setup Agent on the Mac

Preview03:14

* Start and Stop Service on the Mac

Preview01:30

* Integrate with Prometheus

03:58

* Cool Trick

01:19

* Running Linux Commands on Windows

00:46

* Setup for Windows

05:44

* Reviews

00:24

* Why DataDog?

02:50

* Get Set and Go!

1 question

Optional Section : Setting up Prometheus6 lectures • 16min

* Intro to the section

00:37

* Setup Prometheus

01:11

* Setup Prometheus Part 2

03:05

* Prometheus for Windows

04:07

* Start Prometheus

01:58

* Understanding the architecture of an Agent

04:54

DashBoard5 lectures • 15min

* Learn the UI

Preview02:26

* UI Part 2

02:44

* Intro to DashBoards

Preview02:48

* Basic Graphs

03:53

* Combining Graphs

03:24

Widgets3 lectures • 6min

* Query Widget

02:32

* Change Widget

02:11

* Group and Notes Widget

00:53

* Dashboards and Widgets: Test yourself

1 question

Functions2 lectures • 8min

* Arithmetic Functions

Preview03:10

* Rates and Interpolation

05:11

* Interpolation? What's that!

1 question

Integrations2 lectures • 9min

* Integrate with Slack

05:02

* Make use of the Integration with Slack

04:11

Monitors10 lectures • 34min

* Basic Metric Monitor

05:08

* Metric Monitor Alerts

02:52

* Anomaly Monitor Part 1

05:05

* Anomaly Part 2

03:08

* Anomaly Part 3

Preview04:22

* Anomaly Part 4

02:26

* Anomaly Part 5

01:57

* Is that an anomaly?

1 question

* Future ForeCast

04:03

* Future ForeCast (Linear)

02:08

* Future ForeCast (Seasonal)

02:29

API Testing6 lectures • 16min

* Setting up PostMan

02:58

* Set up DataDog API for Testing on PostMan

04:57

* Testing the DataDog API

01:34

* Using the API for comments

02:33

* Done commenting?

02:12

* API for events

01:43

Setting up Logging3 lectures • 12min

* Setting things up

04:52

* Configuring the Agent

05:07

* See the logs in DataDog

01:52

Processing your Logs10 lectures • 32min

* Why do this

04:30

* Concepts

04:52

* Grok Parser Part 1

06:11

* Grok Parses Part 2

02:50

* Status Remapper Part 1

04:11

* Status Remapper Part 2

00:39

* Remapper

02:05

* Arithmetic

01:45

* Live Tail

02:46

* Indexing

02:17

Logging with Python3 lectures • 13min

* Setting it up

06:01

* Continue Logging in Python

04:50

* Check your logs

01:48

Setting up APM2 lectures • 9min

* Basic Setup

04:24

* Finish Setup

04:47

Team Managemnt5 lectures • 13min

* Adding new members

03:21

* Removing Users

01:29

* Check Billing

02:03

* Creating users from the API

02:49

* NoteBooks

02:54

**Requirements**

* An Internet connection
* A working Computer with either Windows/MacOS or Linux
* A desire to learn and Crush It!

**Description**

Always have a hard time finding your error in the host of different servers? Having a hard time configuring alerts for when things go wrong?  
Need to manually investigate issues when a server/database runs out of space? DataDog will actually forecast these issues and tell you in advance. It is no wonder that DataDog's usage and acceptance grows day by day.

Whether you are a Software Architect looking for a way to switch over your conventional logging mechanism to the next generation of tools or a developer looking for a one stop shop to manage your entire data/monitoring storage and computation framework, DataDog is the solution for you. DataDog is especially good for monitoring your Cloud based architecture.

You will get a quick grasp on DataDog. It is one of the best data monitoring tools out there, with the ability to design and develop dashboards and it will let you add widgets to provide great visual representation into your entire ecosystem.

Everything is well documented and separated, so you can find what you need. Assignments and Quizzes will make sure you stay on track and test your knowledge. The course will have a combination of theory and practical examples.

**The Setup**

Setup Datadog Agents on the Mac as well as Windows. Learn how to start and stop the agents as well. Then move on to integrating DataDog  with another tool like Prometheus. Learn efficient ways to edit your DataDog config files.

**DashBoards and Widgets**

Create simple TimeBoard Dashboards with different types of Widgets. Start with the timeseries widgets, where will see how to use one or multiple widgets. Use different display styles like Bars, lines, colors etc. Then use some more advance Widgets like the Change Widget, query widgets, group widget and notes widget.

**Functions**

Learn how to use different functions that comes with single or multiple metrics inside the widget. Use simple arithmetic functions like cumulative sum or calculate the rates of different metrics per second or per minute. Even learn to use Interpolation with a variety of metrics.

**Integrations**

Two points here. The first is that you must integrate with other systems like Slack. Slack is a messaging platform. When things go wrong we can send alerts here. Configure alerts so they can be used later on in Monitors as well.

**Monitors**

Don't want to manually check if there is an issue? In come Monitors. Different types of monitors are appropriate for different types and combinations of metrics. For simple metrics with stable values you could just set a threshold. And send a slack alert when it is crossed.

But this does not always work. For metrics that have patterns you want your monitor to predict the pattern and not just send spam alerts when a threshold gets crossed. For this we have other types of monitors with in built algorithms to detect seasonal patterns. Anomaly and forecast widgets help you here.

**Who this course is for:**

* Students trying to get a quick grasp of DataDog
* Developers looking to monitor and Visualize their apps/machines/servers with DataDog
* Developers and Software Architects who have used another tool to monitor their apps and are now looking to move over to DataDog
* Devs looking to run analysis on the the data from their Apps
* Those who like their data good looking :)