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# DSX Setup Instructions for Pok Cognitive Masters

## Master the art of data science

Solve your toughest data challenges with the best tools and the latest expertise in a social environment built by data scientists.



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## **Powered by IBM Cloud**

Build smarter applications and quickly visualize, share and gain insights from your data with Watson Data Platform.

CXX IBM Data Science Experience

Solve data challenges in a social environment built by data scientists. Remove

## Try our available applications



Securely discover, catalog, and govern enterprise data.

Select

## Register for IBM Cloud

To sign up for IBM Data Science Experience, you must first register for IBM Cloud.

**Create your IBM Cloud Account** 

#### Accept the terms

I accept the IBM Data Science Experience terms, the IBM Cloud privacy policy and IBM Cloud terms.

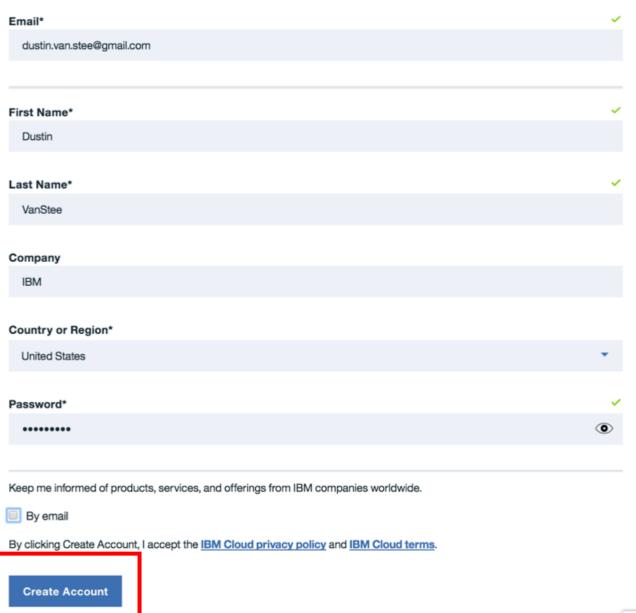
Next

## Already have an IBM Cloud account?

Use it to sign up for IBM Data Science Experience.



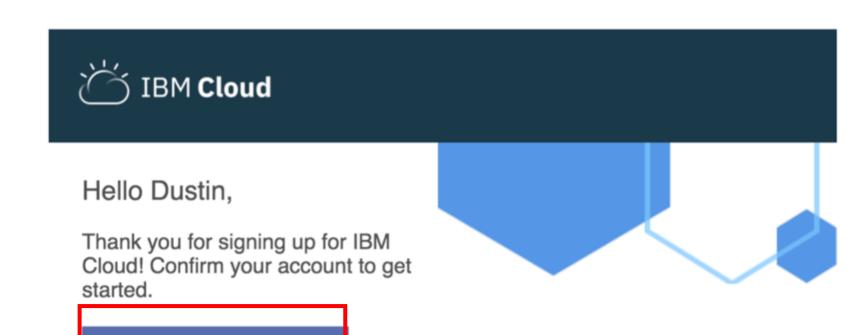






Do annoying captcha Verify email

**Confirm Account** 



Sign Up

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# Select Organization and Space

Confirm your IBM Cloud organization and space information below.

Or create new organization and space

Select IBM Cloud account

IBM Cloud Organization
dustin.van.stee@gmail.com

V

IBM Cloud Space
dev

Continue









## Welcome Dustin!

IBM Data Science Experience is part of Watson Data Platform.

Try out other Watson Data Platform apps.

## Get started with key tasks



















DV

## New project

Define project details	
Name	
Example Project	
	84
Description	
Project description	
	3000

## Choose project options

Restrict who can be a collaborator (1)

## Define storage

1 Select storage type

Object Storage (Swift API)

IBM Cloud Object Storage



Add an object storage instance and then return to this page and click Refresh.

3 Refresh

#### Define compute engine

1 Select Spark service

Spark service

Add

Add IBM Analytics for Apache Spark, then return to this page and click Refresh.

(2) Refresh

# **Confirm Creation**

Plan

Lite

~

Resource group

Default

~

Service name

cloud-object-storage-jd

Cancel

Confirm

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## Apache Spark

Existing

## Apache Spark

Apache Spark is an open source cluster computing framework optimized for extremely fast and large scale data processing, which you can access via the newly integrated notebook interface IBM Analytics for Apache Spark. You can connect to your existing data sources or take advantage of the on-demand big data optimization of Object Storage. Spark plans are based on the maximum number of executors available to process your analytic jobs. Executors exist only as long as they're needed for processing, so you're charged only for processing done.

#### **Features**

#### **Incredibly Fast**

Apache Spark delivers 100x the performance of Apache Hadoop for certain workloads because of its advanced in-memory computing engine.

#### Easy to Use and Powerful

Apache Spark's Streaming and SQL programming models backed by MLlib and GraphX make it incredibly easy for developers and data scientists to build apps that exploit machine learning and graph analytics. Because the service is 100% compatible with Apache Spark, developers can build their apps and run them against the IBM managed service to benefit from operational, maintenance, and hardware excellence.

#### Convenient Data Storage

Object Storage enables a convenient way to upload your data from a file for immediate use by your Spark instance. You can set up Object Storage directly from the Spark service interface.

Pricing Plan: Monthly Process shown above reflect the: United States

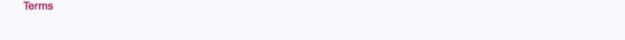
Features

2 Spark Executors

Free

Pricing

An entry level plan to run programs using up to 2 Spark executors







# **Confirm Creation**

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Lite

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Resource group

Default

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Service name

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Choose project options

Restrict who can be a collaborator (i)

## Define project details Name Example Project 84 Description Project description

### Define storage

Select storage type

O Object Storage (Swift 

IBM Cloud Object API)

Storage

Target Cloud Object Storage Instance

cloud-object-storage-bh

#### Define compute engine

Select Spark service

Spark service

Spark-cp

If you associate the same Spark service with multiple projects, the Spark history server will display job history information for all the projects.

