

BigInsights Cloud Tutorial: Analytics for Hadoop on Bluemix

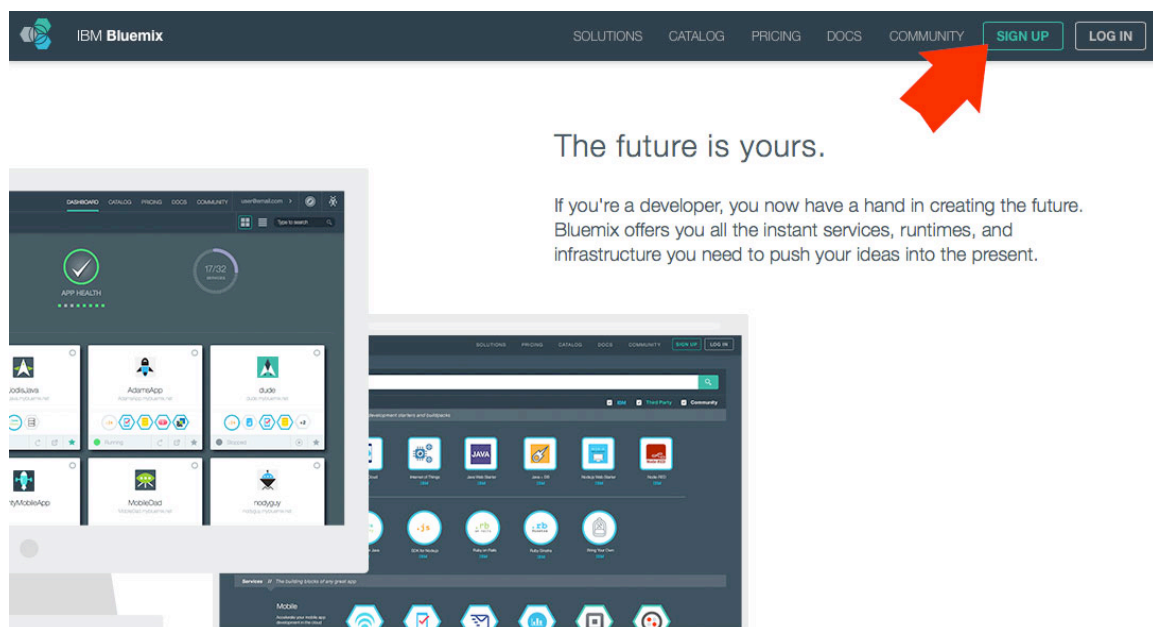
Tutorial 1: Sign in to Bluemix

In this tutorial, you will learn how to sign up for a free [Bluemix](#) account, log in to Bluemix and start up the [Hadoop for Analytics service](#).

It has never been easier to get your hands on Hadoop and now with IBM Bluemix, you can have a Hadoop instance running in the cloud in minutes. IBM's Analytics for Hadoop Bluemix service allows developers to leverage the power of IBM's Hadoop offering, BigInsights, to power the latest mobile and web applications. In addition, you are also able to quickly deploy a single cluster of BigInsights in Bluemix, so that you can start playing with Hadoop directly on the cloud... and for a limited time – Free!

The first thing that you will need to do will be to sign up for a Bluemix account. Accounts are free and you have access to the apps, services, etc free for 30 days – with some additional free usage after the 30 day trial ends ([Please see IBM Bluemix terms for specifics](#)).

[Sign up for an account here.](#)



Once you have an IBM id (if you don't have one already, you will get one as a part of signing up for Bluemix) and have registered for the Bluemix service – you are ready to go.



IBM Bluemix™

Develop your apps: from concept to live in minutes.
Scale your app: for your tenth or millionth user.
Leverage cloud services: for your next big idea.

Begin your free trial

Create an IBM id to get started.

[Already have an IBM id?](#)

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Please enter a security question that only you can answer. Then, enter the answer to the question. Occasionally, you may be asked to answer this question to confirm your identity.

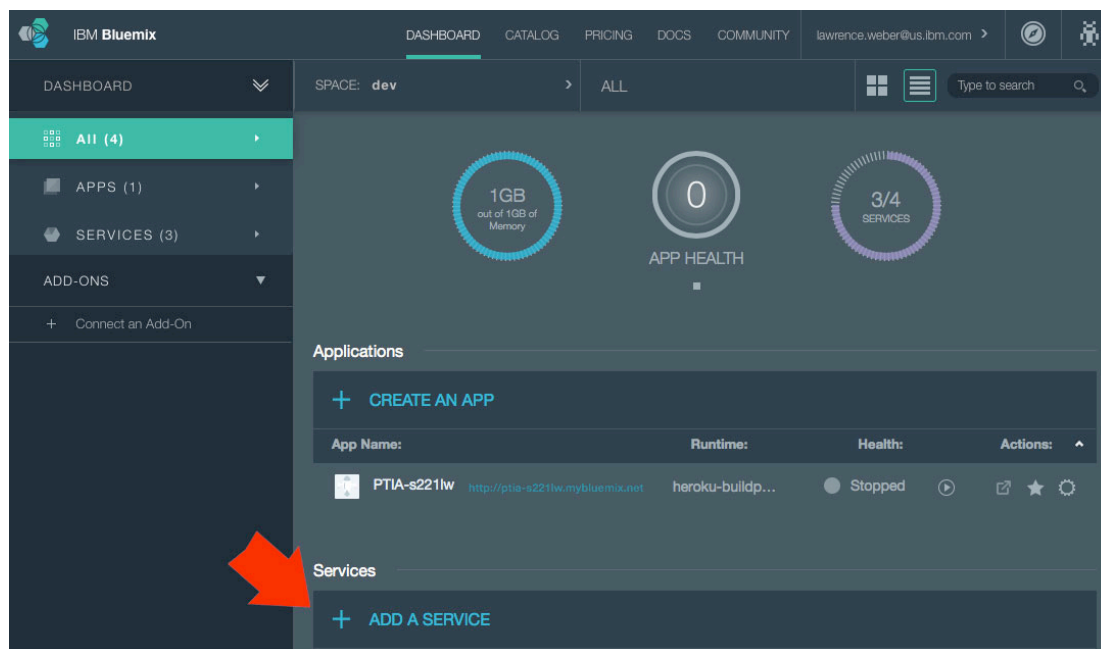
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I accept IBM's [Privacy Statement](#) and [Trial Terms and Conditions](#).

To access Hadoop for Analytics, first head over to the Bluemix website and sign in with your IBM id.

Once you are logged in, the system sends you to your personalized Bluemix dashboard. This is where you can see at a glance what apps and services you have running, their health and how much resource you have left. For the purpose of this tutorial, we are not going to use the dashboard, but a user guide is available with more information on using the Bluemix and the dashboard.

In your Services area (on the bottom, middle of your screen) – click on the ‘Add a service’ box.



On the next page, you are presented with a myriad of Bluemix services.

Scroll down to the big data section and select (click on) IBM Analytics for Hadoop



A new window will open with more information on the IBM Analytics for Hadoop service. Feel free to review the summary, the technical documents and pricing plans available to you. If you just signed up for Bluemix, you should not need to worry about this as the plan should be set to 'Free' – at least for the next 30 days.

The right hand side of the screen is where we will start up the instance.

Under App, select 'Leave unbound' from the drop down menu – this will allow you to deploy Analytics for Hadoop on its own and access the BigInsights web console.

A screenshot of the IBM Analytics for Hadoop service configuration page in Bluemix. The page is divided into three main sections. On the left is a sidebar with the service logo, name, publish date (7/1/2014), type (Service), and a "VIEW DOCS" button. The middle section contains a "BETA" badge, a description of the service, and two bullet points: "Immediately build Big Data applications!" and "Built on open source technology". The right section is titled "Add Service" and contains a form with a dropdown menu for "App" (set to "Leave unbound"), a text field for "Service name" (set to "IBM Analytics for Hadoop-bh"), a dropdown for "Selected Plan" (set to "Free"), and a green "CREATE" button. A red arrow points to the "App" dropdown menu. At the bottom, there is a "Pick a plan" section with a table of pricing options.

Analyze and visualize Big Data on Hadoop without having to configure or administer clusters.

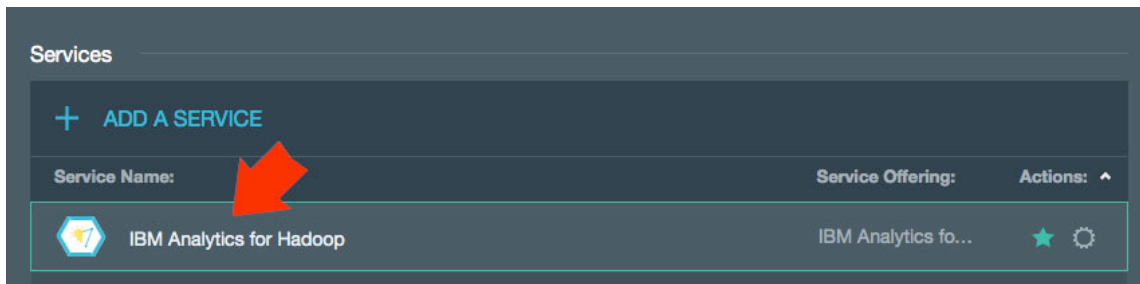
- **Immediately build Big Data applications!**
This service provides an easy way to access data on Hadoop clusters, build applications, and analyze structured or unstructured data. Visualize your findings in charts and graphs. You can bring your data into Hadoop for analysis without worrying about setting up or configuring Hadoop.
- **Built on open source technology**
Powered by InfoSphere® BigInsights™, which is based on open source Hadoop, this service provides the open source capability of Hive and HttpFS along with the enterprise capabilities of Big SQL and BigSheets to supercharge your business analytics capabilities.

Pick a plan Monthly prices shown are for: United States

| Plan | Features | Price |
|--------|---|-------|
| ✓ Free | Up to 20 GB of data max two connections from Bluemix apps only | Free |

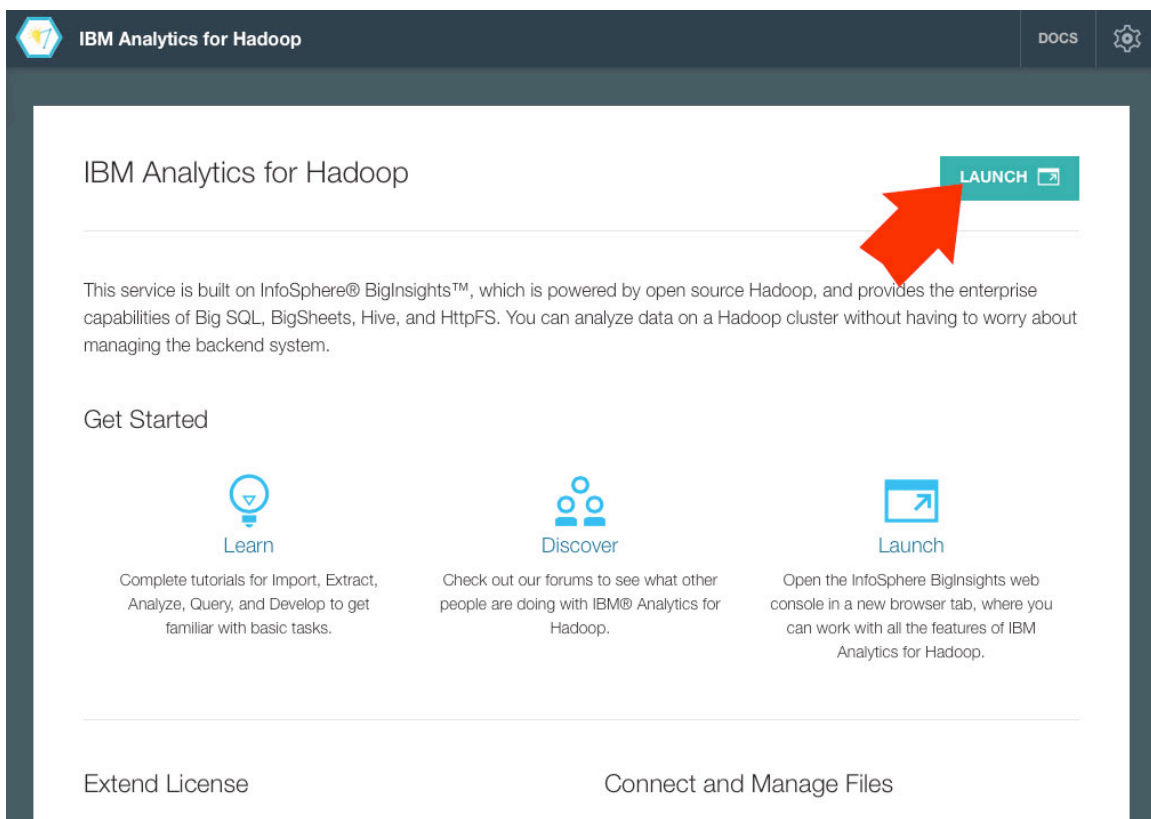
Ensure that the pricing is set to 'Free' (if that is what you are expecting as a part of the free trial – else other pricing will possibly apply) and then click on Create.

You will be transported back to your dashboard. You will notice that the unbound service, Analytics for Hadoop is in your Services wallet. Click on it.



Now opens the Analytics for Hadoop service page in Bluemix. Like the earlier splash screen you can get more information on the service, technical resources, etc. – but this is the instance that is active and that is licensed for this account. You can find more information on the license near the bottom of the screen.

From here – all you have to do is click on the launch button at the top right of the screen. This will pop open a new browser page containing the BigInsights Web Console.



You now have an instance of Hadoop, powered by IBM’s BigInsights, up and running in the Bluemix cloud.

For the next tutorial, go to [Tutorial 2: Navigating the BigInsights Console](#)

For tips, tricks and the latest in Hadoop and BigInsights technology – take a visit to our [IBM Hadoop Developer Community](#) where you will have access to a number of videos, papers, events and additional ‘hands-on’ labs for BigInsights.