

Note: this is assuming you have created your profile already and signed up for the free trial.

1. Select 'Create a resource'

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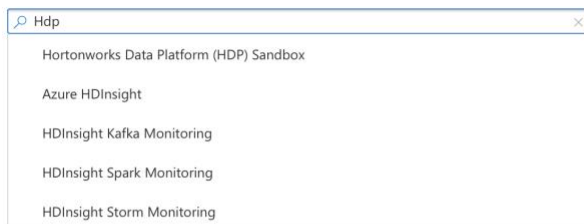
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2. Enter Hdp into the search box

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3. Select Hortonworks Data Platform (HDP) Sandbox and select Create

[Home](#) > [New](#) >

Hortonworks Data Platform (HDP) Sandbox



Hortonworks



Hortonworks Data Platform (HDP) Sandbox

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Hortonworks

★★★★☆ 3.7 (3 ratings)

Create

Start with a pre-set configuration

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About To Deploy?

For a step-by-step guide on how to deploy the Hortonworks Sandbox on Azure, visit: [Deploying Hortonworks Sandbox on Microsoft Azure](#).

Already Set Up and Looking to Learn?

There are a series of tutorials to get you going with HDP fast. To learn more about the HDP Sandbox check out: [Learning the Ropes of the Hortonworks HDP Sandbox](#). To get started using Hadoop to store, process and query data try this HDP 2.6 tutorial series: [Hello HDP an introduction to Hadoop](#)

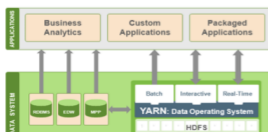
Have Questions?

For all your Hadoop and Big Data questions, and to get answers directly from the pros fast, visit: [Hortonworks Community Connection](#)

Learn More

- [Browse: Big Data Tutorials](#)
- [Tutorial: Deploying Hortonworks Sandbox on Microsoft Azure](#)
- [Tutorial: Learning the Ropes of the Hortonworks Sandbox](#)

Media



4. Enter the details as follows. Be sure to select 'create new' under Resource Group

Home > New > Hortonworks Data Platform (HDP) Sandbox >

Create a virtual machine

Size * [See all sizes](#)

Administrator account

Authentication type ☐ SSH public key ☒ Password

Username *

Password *

Confirm password *

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports * ☐ None ☒ Allow selected ports

Select inbound ports *

⚠ This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

[Review + create](#) [< Previous](#) [Next: Disks >](#)

5. Keep clicking 'Next:' until you get to the final page titled 'Review + create'. Then select 'create'. Your machine will take a few minutes to be deployed.

6. Once it's ready, you'll see a message on the top right corner of the screen, that says 'Deployment succeeded'.

11:24 PM Tue Feb 16

portal.azure.com

Microsoft Azure

CreateVm-hortonworks.hortonworks-sandbox-sandbox2-20210216232014 | Overview

Deployment

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name: CreateVm-hortonworks.hortonworks-sandbox-sandbox2-20210216232014 Start time: 2/16/2021, 11:22:43 PM

Subscription: Free Trial

Resource group: HdpResource2

Correlation ID: 62f5b6-4f2a-4569-8a8-766078914534

Deployment details

Resource	Type	Status	Operation details
Myvm2	Microsoft.Compute/VirtualMachines	Created	Operation details
myvm2001	Microsoft.Network/network	Created	Operation details
HdpResource2-vnet	Microsoft.Network/virtualNetworks	OK	Operation details
Myvm2002-nsg	Microsoft.Network/networkSecurityGroups	OK	Operation details
Myvm2002-ip	Microsoft.Network/publicIpAddresses	OK	Operation details

Deployment succeeded

Deployment 'CreateVm-hortonworks.hortonworks-sandbox-sandbox2-20210216232014' to resource group 'HdpResource2' was successful.

[Go to resource](#) [Pin to dashboard](#)

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7. Select Mymachine1-nsg

Microsoft Azure

Search resources, services, and docs (G+)

Home > All resources

Default Directory

+ Add Manage view Refresh Export to CSV Open query Assign tags Delete Feedback

Filter for any field... Subscription == all Resource group == all Type == all Location == all Add filter

Showing 1 to 7 of 7 records. Show hidden types No grouping List view

Name	Type	Resource group	Location	Subscription
Hdresource2-vnet	Virtual network	Hdresource2	East US 2	Free Trial
Mymachine2	Virtual machine	Hdresource2	East US 2	Free Trial
Mymachine2-ip	Public IP address	Hdresource2	East US 2	Free Trial
Mymachine2-nsg	Network security group	Hdresource2	East US 2	Free Trial
mymachine2501	Network interface	Hdresource2	East US 2	Free Trial
Mymachine2_OsDisk_1_a8abd26bdd1e416198b594c32bc9200f	Disk	HDPRESOURCE2	East US 2	Free Trial
NetworkWatcher_eastus2	Network Watcher	NetworkWatcherRG	East US 2	Free Trial

8. Select 'Inbound security rules'. Then select '+Add'.

Microsoft Azure

Search resources, services, and docs (G+)

Home > All resources > Mymachine2-nsg

All resources

Default Directory

+ Add Manage view

Filter for any field...

Name

- Hdresource2-vnet
- Mymachine2
- Mymachine2-ip
- Mymachine2-nsg
- mymachine2501
- Mymachine2_OsDisk_1_a8abd26bdd1e...
- NetworkWatcher_eastus2

Mymachine2-nsg | Inbound security rules

Network security group

Search (Cmd+) + Add Hide default rules Refresh Delete

Filter by name

Port == all Protocol == all Source == all Destination == all Action == all

Priority	Name	Port	Protocol	Source
300	SSH	22	TCP	Any
65000	AllowVnetInBound	Any	Any	VirtualNetwork
65001	AllowAzureLoadBalan...	Any	Any	AzureLoadBalancer
65500	DenyAllInBound	Any	Any	Any

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

- Inbound security rules
- Outbound security rules

Network interfaces

Subnets

Properties

Locks

Monitoring


- Alerts
- Diagnostic settings
- Logs
- NSG flow logs

Automation

- Tasks (preview)
- Export template

Page 1 of 1

9. In the 'Name' text box, enter Ambari. Then select 'Add'.

 **Add inbound security rule** ×
Mymachine2-nsg

Source ⓘ

Any

Source port ranges * ⓘ

*

Destination ⓘ

Any

Service ⓘ

Custom

Destination port ranges * ⓘ

8080

Protocol

☒ Any

☐ TCP

☐ UDP

☐ ICMP

Action

☒ Allow

☐ Deny

Priority * ⓘ

310

Name *

Description

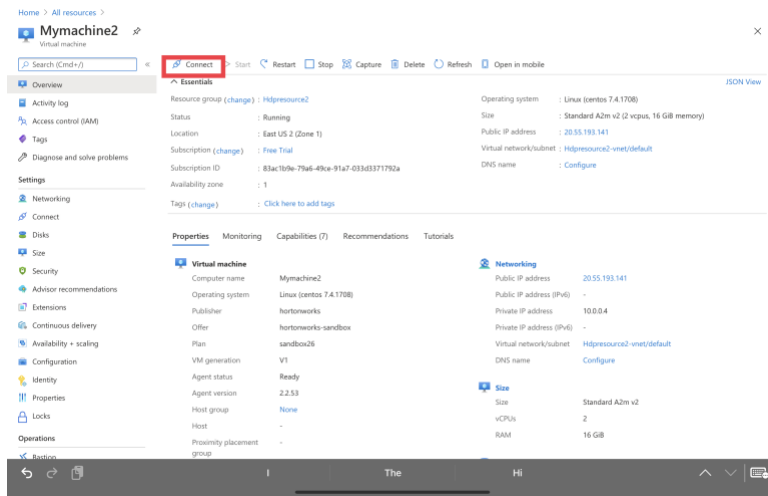
Ambari ✓

Add

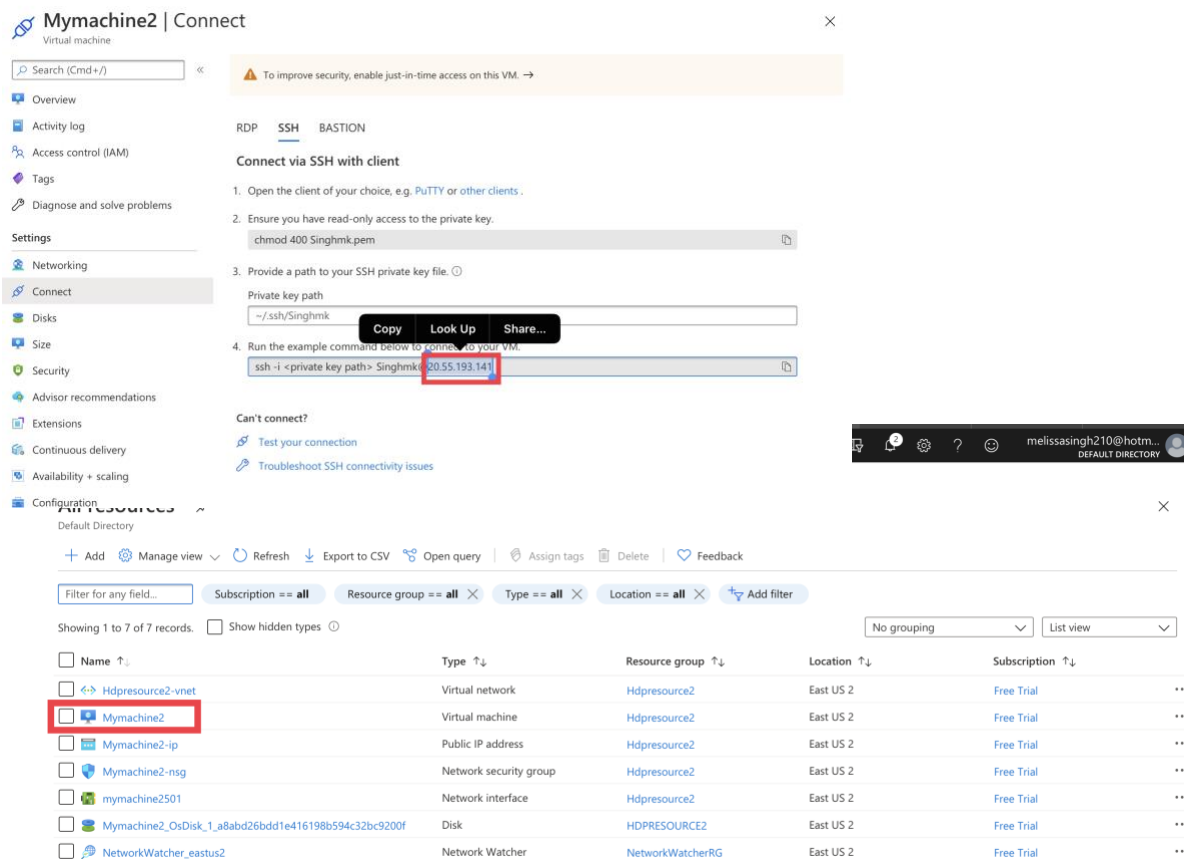
Cancel

10. Select 'Home', then 'All resources'. Select 'Mymachine1'

11. Select 'Connect'. Then select 'SSH'.



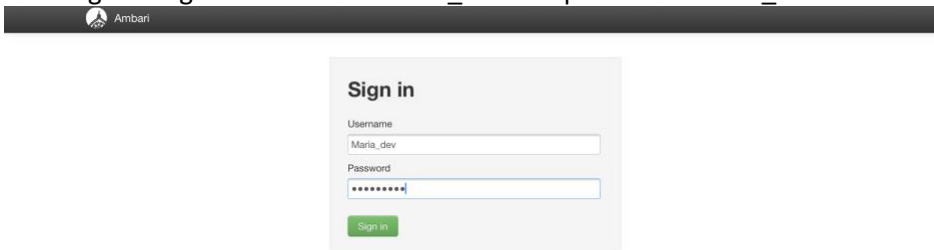
12. Copy the IP address in the location highlighted in the red box below. I



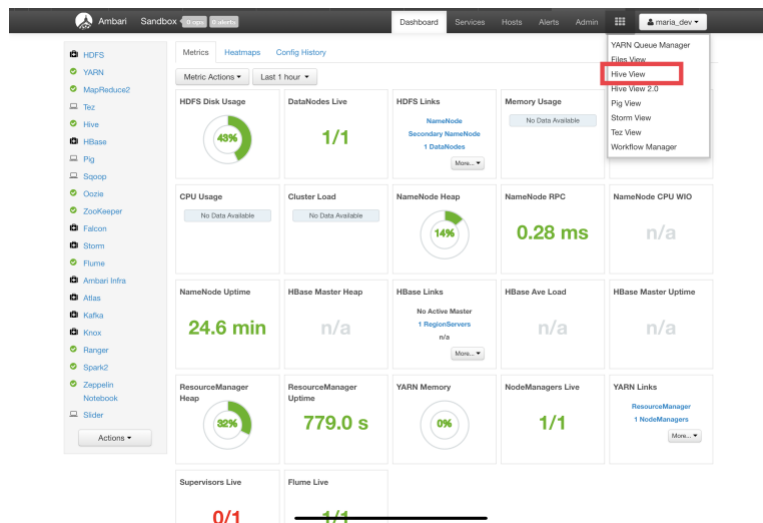
13. Open a new tab in your web browser and paste the IP you copied as follows:
http://20.55.193.141:8080



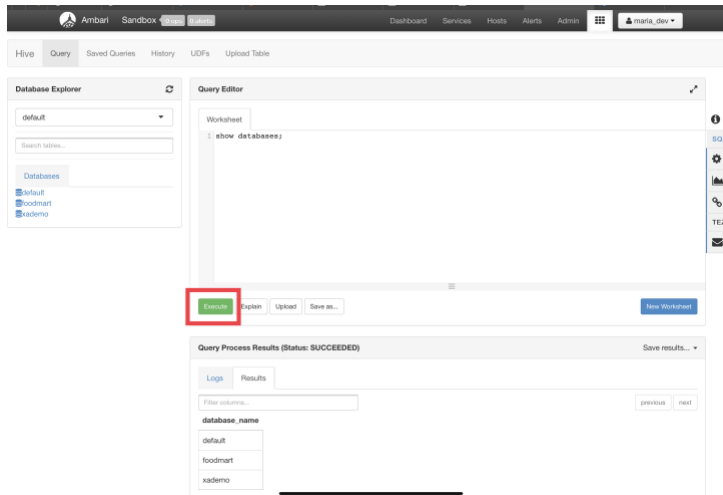
14. Login using the username: maria_dev and password: maria_dev



15. Select 'Hive view'



16. Type 'show databases;' in the worksheet. then select 'execute'. You'll see the results of the query under 'Query Process Results'.



17. Enter the following statements into the worksheet and hit 'execute'.

Hive Query Saved Queries History UDFs Upload Table

Database Explorer

default

Search tables...

Databases

- default
- foodmart
- xademo

Query Editor

Worksheet

```
1 use foodmart;
2 show tables;
```

Execute Explain Upload Save as...

New Worksheet

Query Process Results (Status: SUCCEEDED)

Save results...

Logs Results

Filter columns...

tab_name

customer
inventory_fact_1998
product
sales_fact_dec_1998
store

previous next

Hive Query Saved Queries History UDFs Upload Table

Database Explorer

default

Search tables...

Databases

- default
- foodmart
- customer
- inventory_fact_1998
- product
- sales_fact_dec_1998
- store
- xademo

Query Editor

Worksheet

```
1 use foodmart;
2 Select * from customer limit 4;
```

Execute Explain Upload Save as...

New Worksheet

Query Process Results (Status: SUCCEEDED)

Save results...

Logs Results

Filter columns...

previous next

customer.customer_id	customer.account_num	customer.name	customer.fname	customer.mi	customer.address1	customer.address2	cl
1	87462024688	Nowmer	Sheri	A.	2433 Bailey Road	**	**
2	87470586299	Whelpy	Derrick	L.	2219 Dewing Avenue	**	**
3	87475757600	Derry	Jeanne	**	7640 First Ave.	**	**
4	87500482201	Spence	Michael	J.	337 Tosca Way	**	**

Now you're ready to move onto Learning the Ropes of the HDP Sandbox.

- “Learning the Ropes of the HDP Sandbox” <https://www.cloudera.com/tutorials/learning-the-ropes-of-the-hdp-sandbox.html>