Prerequisite: Getting Linux Machines Ready for Your Cluster

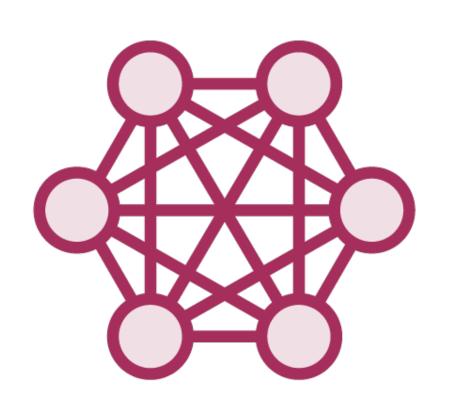


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Getting Ready for Big Data



We need our cluster

Define: cluster

- Set of connected machines that work together as a single system

Create a cluster

- Ready for Cloudera & Hadoop install

Did we mention OS?

Linux as OS of choice

#1 choice for Hadoop & many Open Source



Got Linux?



Get a base machine ready

- Fresh Linux install
- Optional snapshot or export appliance

Initial machine configuration

Network configuration

- NAT Network in this case

Clone machine to create your cluster

- Hostname, network configuration, ...

Now you have a base cluster!



CentOS



Community Enterprise Operating System

Free Linux distribution

RHEL compatible

- Red Hat Enterprise Linux

Supported Versions by Cloudera

- Yes: 7.1 & 7.2 plus some 6.x and 5.x
- No: 7.0

Let's get CentOS installed

- From www.centos.org



Get CentOS: Which ISO?



Start Downloading CentOS...





ABOUT +

COMMUNITY -

DOCUMENTATION -

HELP

Download CentOS

As you download and use CentOS Linux, the CentOS Project invites you to be a part of the community as a contributor. There are many ways to contribute to the project, from documentation, QA, and testing to coding changes for SIGs, providing mirroring or hosting, and helping other users.

DVD ISO

Everything ISO

Minimal ISO

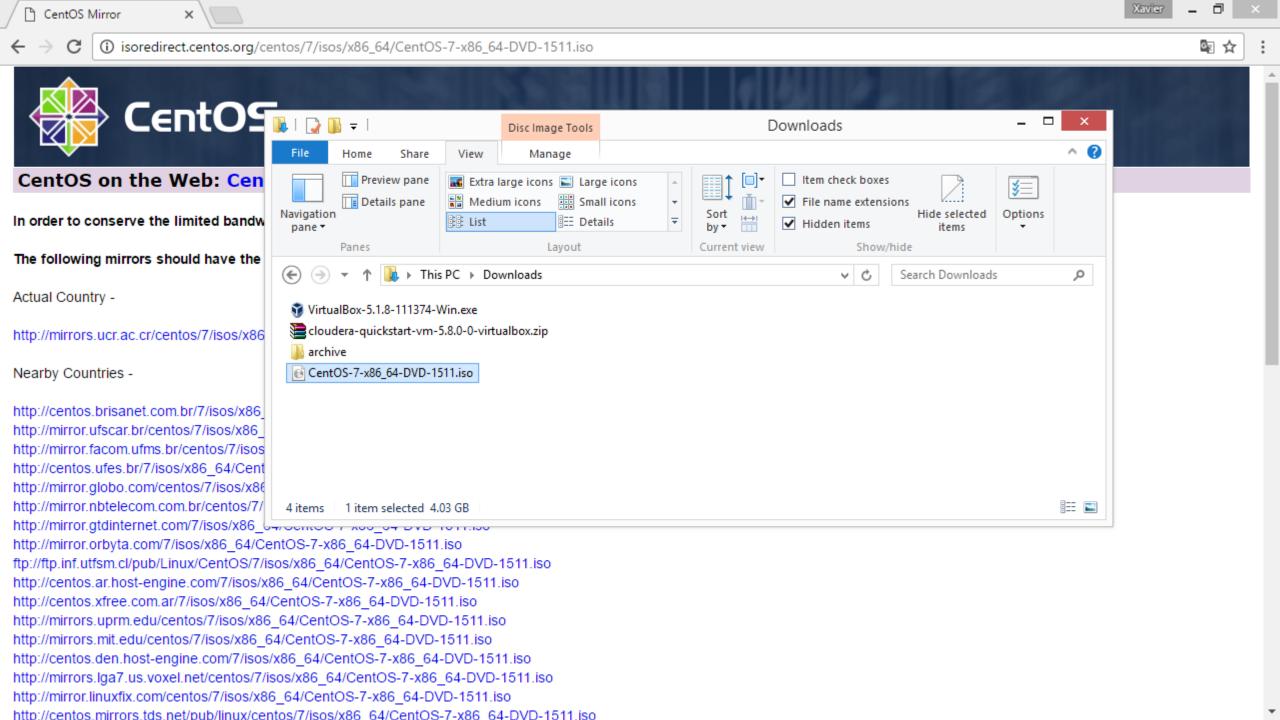
ISOs are also available via Torrent.

How to verify your iso

If the above is not for you, alternative downloads might be.

The release notes are continuously updated to include issues and incorporate feedback from users.

Need a Cloud or Container Image?

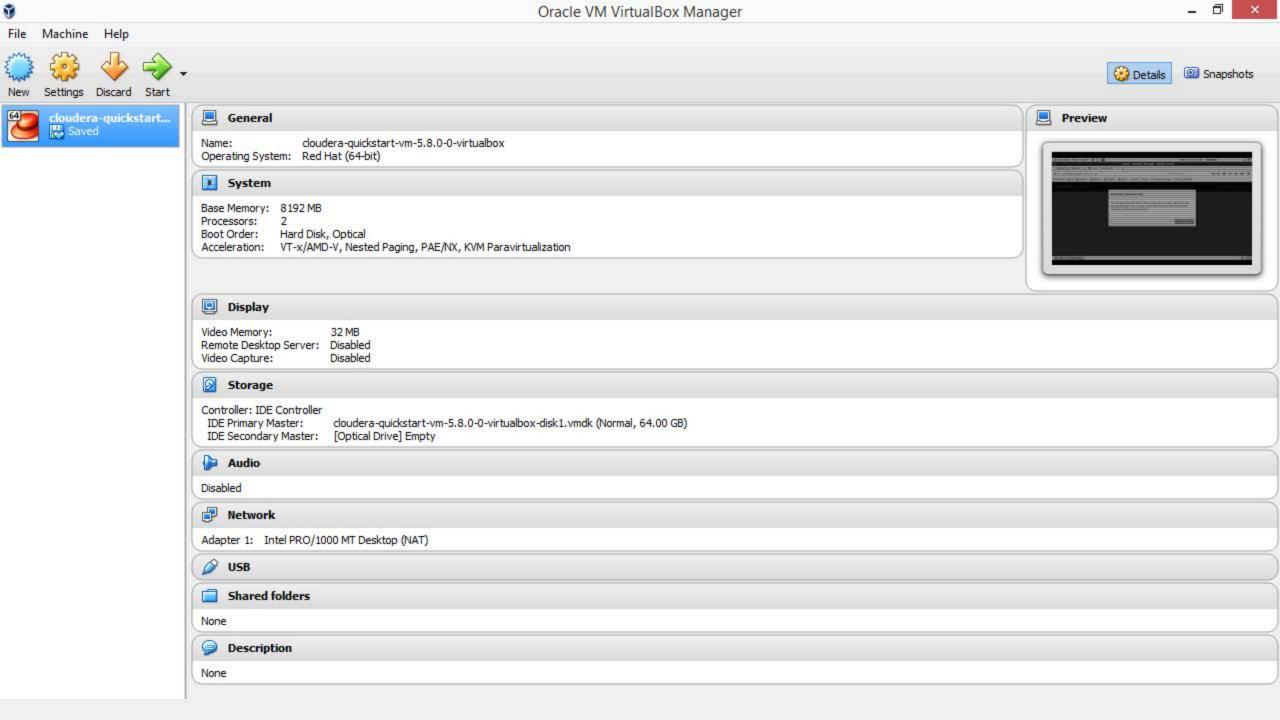


Demo

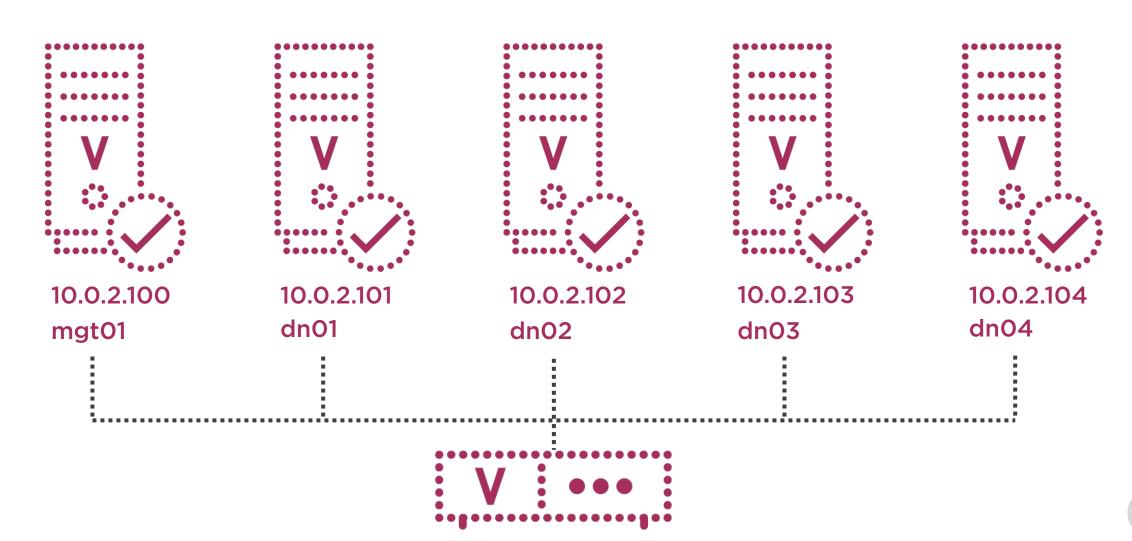


Exercise 5 Installing Linux from Scratch with CentOS



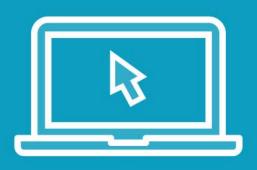


Preparing Your Big Data Linux Cluster



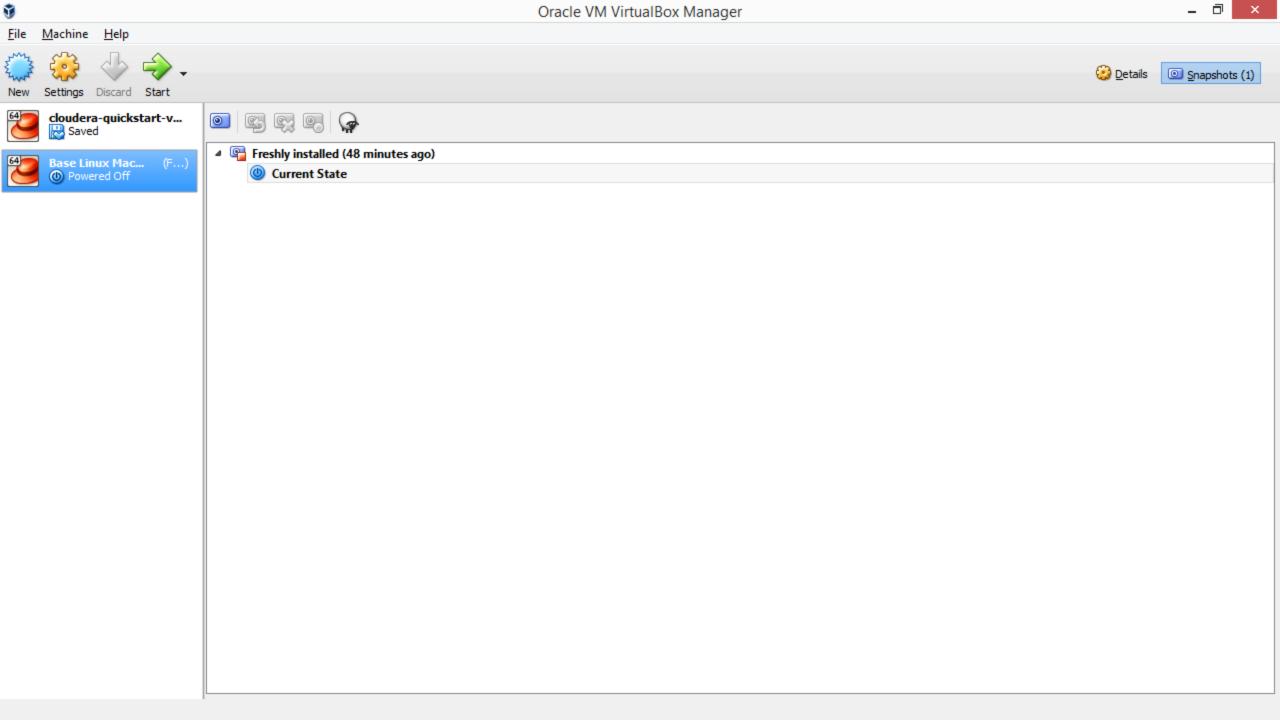


Demo



Exercise 6
Preparing Your Linux Machines for Your
Cloudera Big Data Cluster





Takeaway



Linux cluster

CentOS

- Supported by Cloudera

Started from scratch

- Download & install OS
- Configure
- Clone
- Final configurations

Created a base cluster

Ready for Cloudera CDH

