

Getting Starting with Ambari

Installation Guide

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Ambari Requirement

→ OS Requirement

- » CentOS or any other linux system

→ Software Requirement

- » Yum / RPM , scp , curl , OpenSSL, Python (Most of them are already installed)

→ JAVA Requirement

- » OpenJDK 7 / 8 Or Oracle JDK 7/8

→ Database Requirement

- » PostgreSQL / MySQL / Oracle (mysql / postgre are easy to maintain and configure)

→ Memory Requirement

Host	Memory (for ambari metrics collector)
1 - 10	1 GB
10-50	2 GB
50-100	4 Gb
100-500	8 GB

→ Open File Limit

- » It should be more than 10000 for more then 10 Nodes you can check it with below commands
`ulimit -Sn` and `ulimit -Hn`

→ Umask Setup

- » add umask value in your */etc/profile* file
umask 022

→ Password-less SSH login

- » Generate the public and private key on Server Host
ssh-keygen
- » Copy the SSH Public Key (id_rsa.pub) to the root account on your target hosts.
.ssh/id_rsa
ssh/id_rsa.pub
- » Add the SSH Public Key to the authorized_keys file on your target hosts.
cat id_rsa.pub >> authorized_keys
- » Depending on your version of SSH, you may need to set permissions on the .ssh directory (to 700) and the authorized_keys file in that directory (to 600) on the target hosts.
chmod 700 ~/.ssh
chmod 600 ~/.ssh/authorized_keys
- » From the Ambari Server, make sure you can connect to each host in the cluster using SSH, without having to enter a password.
ssh root@<remote.target.host> where <remote.target.host> has the value of each host name in your cluster
- » If the following warning message displays during your first connection: Are you sure you want to continue connecting (yes/no)? Enter Yes
- » Retain a copy of the SSH Private Key on the machine from which you will run the web-based Ambari Install Wizard.

→ NTP Setup on the Nodes

- » NTP should be enable on all the Nodes(the clock should be sync between each other)

service ntpd start

chkconfig ntpd on

- » Set Hostname for all the nodes in /etc/hosts and /etc/sysconfig/network

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- » Stop Iptables and disable it

chkconfig iptables off && /etc/init.d/iptables stop

- » Disable SELINUX in /etc/selinux/config

SELINUX=disabled

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