

CREATE 3 Virtual machine (1-cluster,2-node)

On all-machine:-

set hostname

[root@localhost]# hostnamectl set-hostname cluster,node1,node2

#install enable and start httpd yum install httpd -y systemctl enable httpd.service systemctl start httpd systemctl status httpd

#set ip in host file like this
[root@silver-node1 ambari]# vi /etc/hosts

192.168.0.1 SILVER-NODE1 192.168.0.2 SILVER-NODE2 192.168.0.3 SILVER-NODE3

Make sure all node ping to each other

On cluster:-

#Create a directory in html file cd /var/www/html/ mkdir ambari

#Copy ambari,hdp,& hdp-utils tar file in created path # untar the file tar -xvf ambari-2.7.3.0-centos7.tar.gz

#copy repo file in yum.repos.d path cp /var/www/html/ambari/ambari/centos7/2.7.3.0-139/ambari.repo /etc/yum.repos.d/

create repofile createrepo 'untar filename'

Edit in ambari.repo file(writ e ambari file path in baseurl) vi /etc/yum.repos.d/ambari.repo
VERSION_NUMBER=2.7.3.0-139
[ambari-2.7.3.0]

```
#json.url = http://public-repo-1.hortonworks.com/HDP/hdp_urlinfo.json
       name=ambari Version - ambari-2.7.3.0
       baseurl=http://cluster/ambari/ambari/centos7/2.7.3.0-139
      gpgcheck=0
      #qpgkey=http://public-repo-1.hortonworks.com/ambari/centos7/2.x/updates/2.7.3.0/RPM
-GPG-KEY/RPM-GPG-KEY-Jenkins
      enabled=1
       priority=1
# Do same as above in hdp.repo file (here edit hdp path and hdp-utils path)
[root@silver-node1 yum.repos.d]# vi /etc/yum.repos.d/hdp.repo
      #VERSION NUMBER=3.1.0.0-78
      [HDP-3.1.0.0]
      name=HDP Version - HDP-3.1.0.0
      baseurl=http://cluster/hdp/HDP/centos7/3.1.0.0-78
      gpgcheck=0
      #gpgkey=http://public-repo-1.hortonworks.com/HDP/centos7/3.x/updates/3.1.0.0/RPM-G
PG-KEY/RPM-GPG-KEY-Jenkins
      enabled=1
      priority=1
       [HDP-UTILS-1.1.0.22]
       name=HDP-UTILS Version - HDP-UTILS-1.1.0.22
       baseurl=http://cluster/hdp-utils/HDP-UTILS/centos7/1.1.0.22
      gpgcheck=0
      #gpgkey=http://public-repo-1.hortonworks.com/HDP/centos7/3.x/updates/3.1.0.0/RPM-G
PG-KEY/RPM-GPG-KEY-Jenkins
      enabled=1
      priority=1
#check repolist
[root@cluster~]#yum repolist
      repo id
                        repo name
                                                        status
      HDP-3.1.0.0
                           HDP Version - HDP-3.1.0.0
                                                                   201
      HDP-UTILS-1.1.0.22
                               HDP-UTILS Version - HDP-UTILS-1.1.0.22
                                                                              16
      ambari-2.7.3.0
                           ambari Version - ambari-2.7.3.0
                                                                    13
      base/7/x86 64
                            CentOS-7 - Base
                                                               10,072
                                                                 515
      extras/7/x86 64
                            CentOS-7 - Extras
      updates/7/x86 64
                             CentOS-7 - Updates
                                                                  4,538
      repolist: 15,355
```

[#] Copy ambari.repo file on other both node in same path

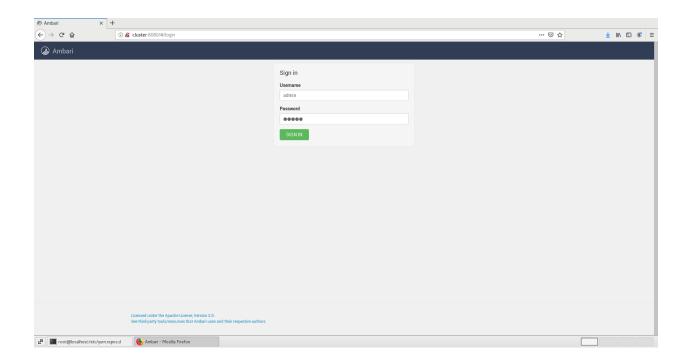
rsync /etc/yum.repos.d/ambari.repo root@node1:/etc/yum.repos.d/ambari.repo rsync /etc/yum.repos.d/ambari.repo root@node2:/etc/yum.repos.d/ambari.repo

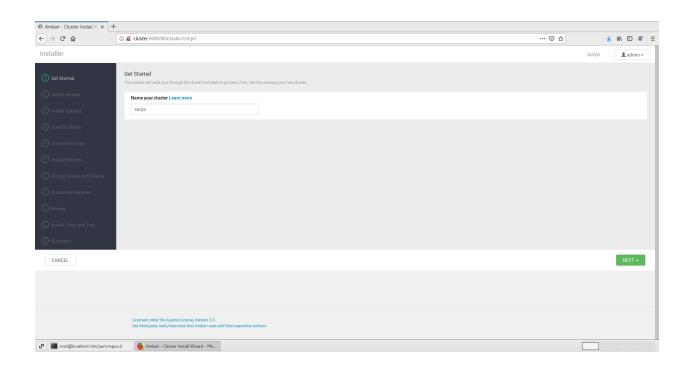
#install,setup,start&check status ambari-server yum install ambari-sever ambari-server setup -s ambari-server start ambari-server status # Install start and check status ambari-agent ("install on all machine") yum install -y ambari-agent ambari-agent start ambari-agent status # Edit this file(Write in hostname='cluster hostname' on all machine) [root@silver-node1 ambari]# vi /etc/ambari-agent/conf/ambari-agent.ini # Licensed to the Apache Software Foundation (ASF) under one or more # contributor license agreements. See the NOTICE file distributed with # this work for additional information regarding copyright ownership. # The ASF licenses this file to You under the Apache License, Version 2.0 # (the "License"); you may not use this file except in compliance with # the License. You may obtain a copy of the License at # # http://www.apache.org/licenses/LICENSE-2.0 # # Unless required by applicable law or agreed to in writing, software # distributed under the License is distributed on an "AS IS" BASIS, # WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. # See the License for the specific [server] hostname=cluster url port=8440

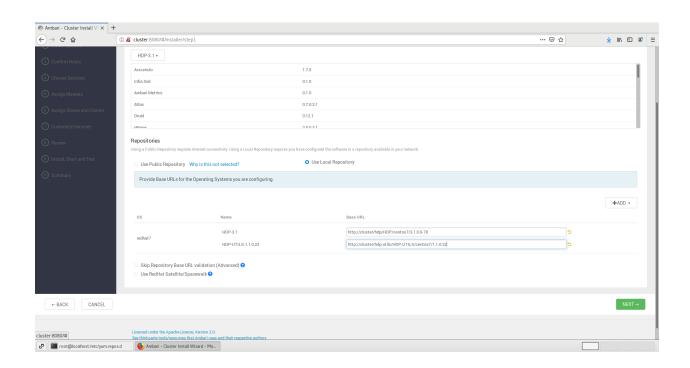
secured url port=8441 connect_retry_delay=10 max reconnect retry delay=30

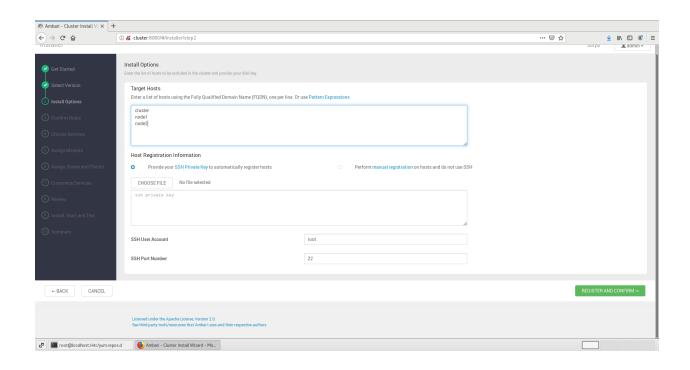
[agent] logdir=/var/log/ambari-agent piddir=/var/run/ambari-agent prefix=/var/lib/ambari-agent/data ;loglevel=(DEBUG/INFO) loglevel=INFO

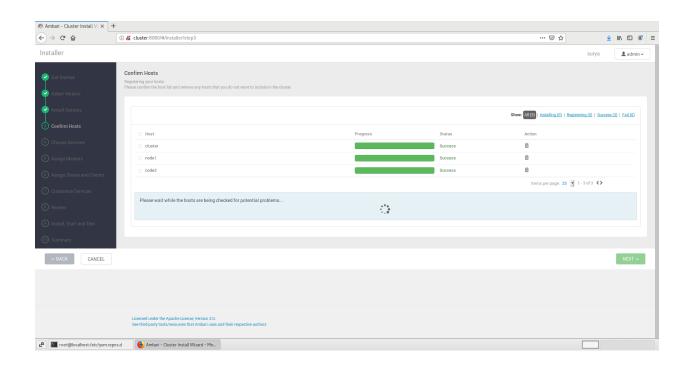
data_cleanup_interval=86400
data_cleanup_max_age=2592000
data_cleanup_max_size_MB = 100
ping_port=8670
cache_dir=/var/lib/ambari-agent/cache
tolerate_download_failures=true
run_as_user=root
parallel_execution=0
; 0 - don't report commands output periodically. Reduces bandwidth on big cluster
command_update_output=1
alert_reports_interval=5
command_reports_interval=5
status_commands_run_interval=20
alert_grace_period=5

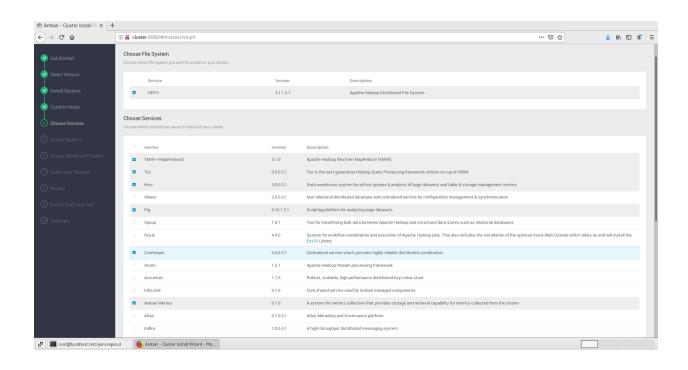


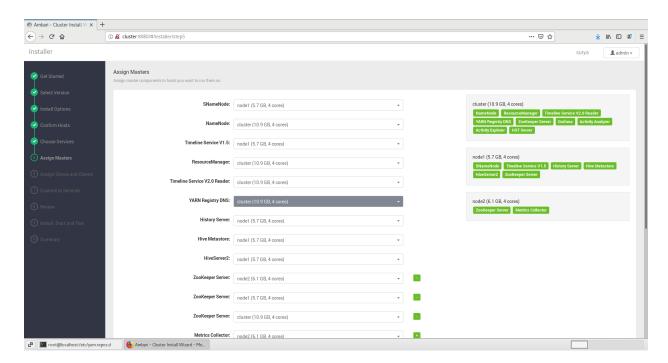


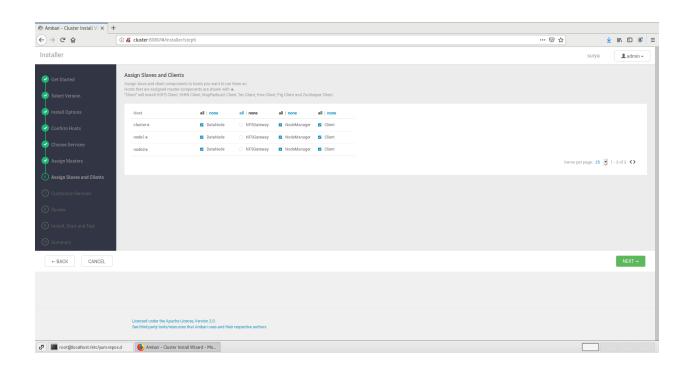


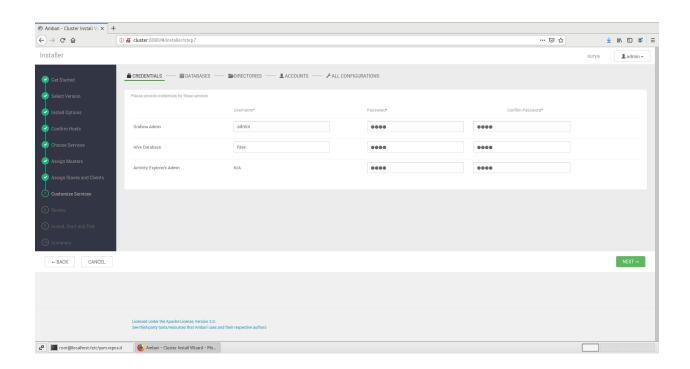


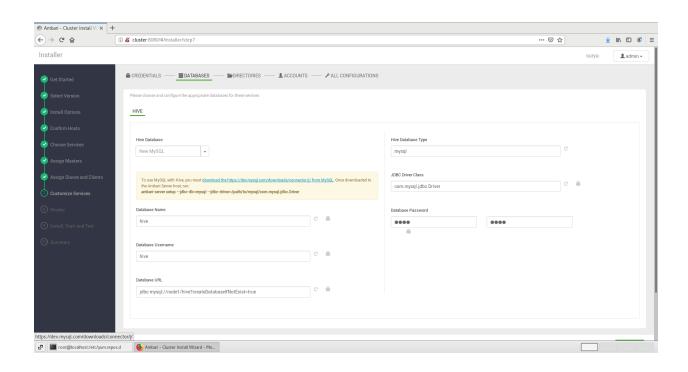


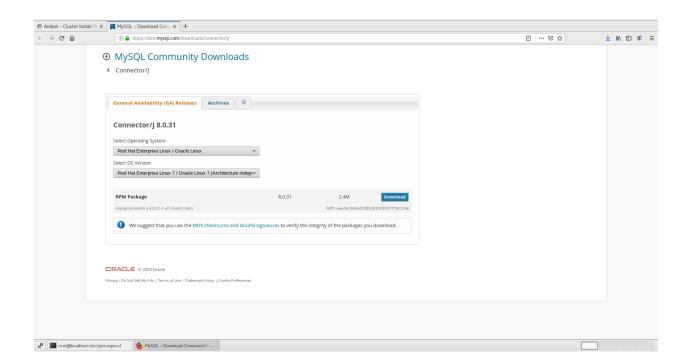


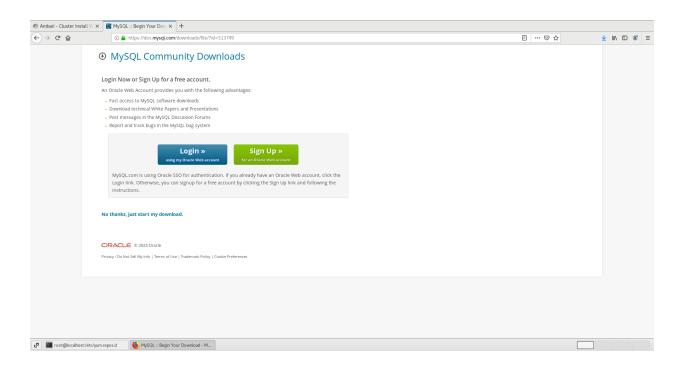


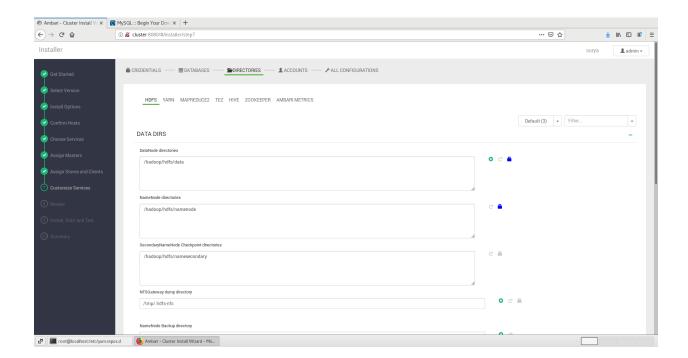


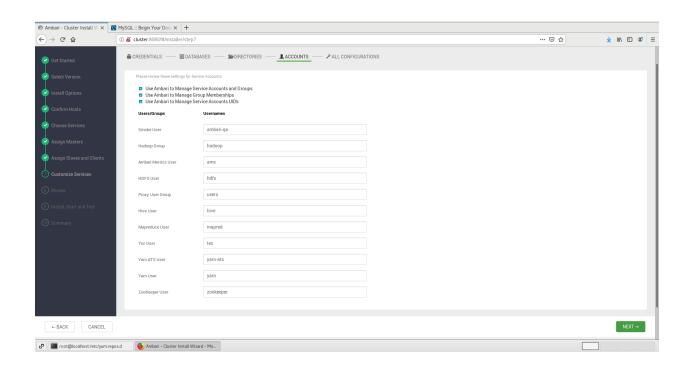


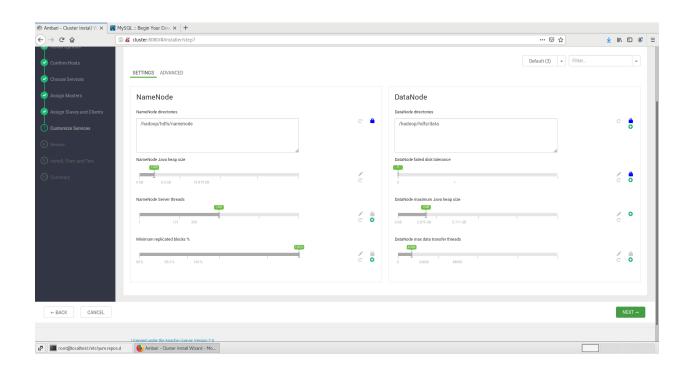


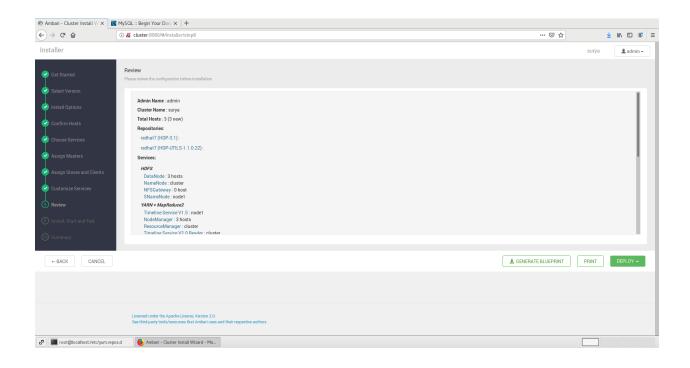


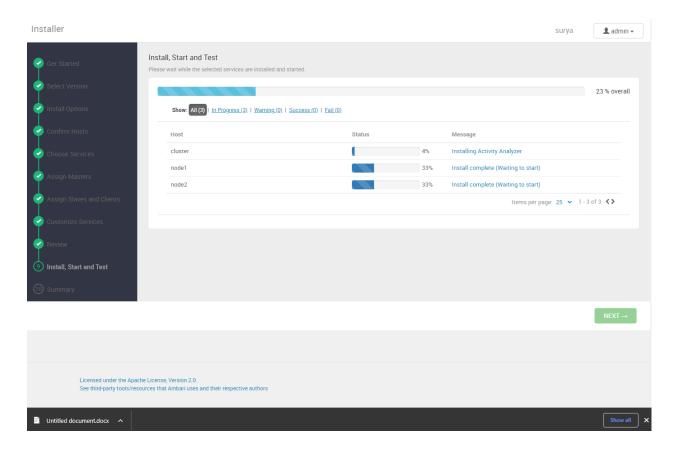












Ambari Dashboard

