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Cluster Formation - Ambari server
- create 3 centos7 machine (node 1, node2, node3)
 - note: - Do all operations in root user
In node 1 machine ! -
# yum update -y
# yum upgrade -y
# yum install nttpd - y
# systemett start nttpd
# systemett enble httpd
# cd /etc/yum. repos.d/
# yum install repolist - y
# system ch stop firewalld . service
# systemet disable firewalld. service
# getenforce
# vi /etc/selinux/contig
  L> SELIMUX = disabled (replace entorcing to disabled)
# resport
 After rebooting :-
# systemett status trewalld
  La it should be inactive (dead)
```

L) it should be Disabled.

getenforce

hostname ct set-hostame node 1. ss. com
hostname

> node 1. ss. com

Vi /etc/hosts

ipaddress of node 1 node 1 node 1. ss. com
ipaddress of node 2 node 2 node 2. ss. com
ipaddress of node 3 node 3 node 3. ss. com

In node 28 node 3 machines.

yum update -y

yum upgrade -y

cd /etc/yum. repos.d/

yum install repolist -y

systemed stop firewalld service

systemed disable Hoewalld. service

systemett disable getentorce

vi /etc/selinux/contig

1> replace SELINX = entorcing to SELINUX = disabled # reboot

Atter reabooting

systement status firewalld by it should be inactive (dead)

getenforce

L> Ft should be Disabled

In node 2 machine

hostnamecH -set-hostname node2.ss.com

hostname

En Ca

L> nodez. ss.com

vi /etc/hosts

1) ip of node 1 node 1 node 1 vss. com

ip ot node 2 node 1 node 2 ss. com

ip at node 3 node 3 node 3 ss. com.

In note 3 machine.

hostnampet set-hostnamp node 3.55. com

hostname

L> nodez. ss.com

vi letc/ hosts

ip of node 2 node 2 node 2 iss. com
ip of node 3 node 3 node 3 ss. com.

In node 1 machine

rsync /etc/hosts root@node2:/etc/hosts # rsync /etc/hosts root@node3:/etc/hosts

In node 2 madin

rsync /etc/ hosts root@ node 1: /etc/ hosts
rsync /etc/ hosts root@ node 3: /etc/ hosts

```
In node 3 machine
D
    # rsync /etc/nosts root@ node2:/etc/hosts
                           root@ node 1: /etc/hosts.
7
    # rsync /etc/hosts
   now try to ping each machine by other machine &
7
                                    reploot all machines
D
    In node I machine
10
== #cg /nan/mmm/V+W/
  # far -xv+ /root/Desktop/Hadoop/ambari-2.7.3.0
      - centos 7. tar . 92
  # 15 - ambari directory will be there
  # cd cimbari/centos7/2.7.3.0-139/
   # CP ambari. repo /etc/yum. repos.d/
# cd /var/www/htm//
   # createrepo ambari/
-3
3
   # Vi letc/yum. repos.d/ambari. repo.
<u>ٿ</u>
      La change baseurl = http ust to tollowing
=
ني
         baseurl= http://node1.ss.com/ambari/centos7/
2.7.3.0-139/
gpcheck = 0
then comment (#) gpkey= http:// ----
-
   # yum repolist
# yum install ambani-server .x86_64 -y
1
  # rsync /etc/yum. repos.d / ambari. repo root@node2
\Rightarrow
     : /etc/yum. repos.d/
3
  # osync /ect /yum. repos.d /ambani. repo root@node 3
     ! /etc/yum. repos.d/
1
```

3

```
# ambari-server setyp -s
# ambari-server status
# ambari-server start
   yum install ambari- agent x 86_64 -y
   ambari - agent status
   ambari-agent start
# tar -xv+ (root / Drsktop) Hadoop | HDP-3.1.0.0-
    centos7 - 2pm . tgr. gz
# tar -xvt (root 1 Desktop) Hadoop /HPP - UTILS -
   1.1.0.22 - centos7. tar.gz
# createrepo HDP/
# cocate ocpo HDP - UTILS/
     HDP / cento 057/3.1.0.0-78/hdp. ocpo/etc/yum. orpos
# yum repolist
# vi /etc/yum. repos.d/ndp. repo
      name = HDP version - HDP 3.1.0.0
   > baseurl = http://nodel.ss.com/HIDP-WET/
              centos7/3.1.0.0-78/
     gpcheck = 0
    then comment (#) line gpkey= http...-
     hame = HDP-UTILS version - HDP-UTILS -1.1.0.22.
     base un = http://node 1. ss. com/HDP-UTILs/centos7/
              1.1.0.22/
     gpcheck=0
    then comment (#) line gpkey=http.-
```

6

2

6 # yum repolist # rsync /etc/yum. repos.d/hdp. repo root@node2 P : /e+c/byum. repos.d/ 1 # rsync /etc/yum. rcpos.d/hap. repo root@node3 1 :/etc/yum. reposid/. D # systemetal start conyd cronyd > pertorm it 1 cluster tormation step-3 In node 2 & node 3 get tailed 1 1 # yym install ambari-agent. x86-64 -y 3 # ambari-agent status L> it the status should be ounnive, if not the 3 then # ambari-agent Start 3 # vi /etc/ambari-agent/cont/ambari-agent.ini La change host name to hostname = node1. ss. com # system ct | start & cronyd -> pertorm it cluster report all machines now toomation step-3 get In node 1 web-browser. = failed. = node 1:8080 - then login in (ucername = admin, password = admin) = - then click on Launch wizard = - Give cluster name, then next = _ select version HDP-3.1 - In repositories dick on use local repository **二** - select redhat 7 os 8 deselect all other services 7 HDP-3.1 = http://node1.ss.com/HDP/centos7/3.1.0.0-78/ 1 HDP-UTILS-1.1.0.22 = NHp: // node 1.ss. com/HDP-UTILS/ = centos 7/1.10.22/

=

- then click on next
- then in Target Hosts.
 hode [1-2].ss.com (type this in that box)
- then click on operform manual registration
- then register & confirm.

La node 1 & node 2 will get successfully register

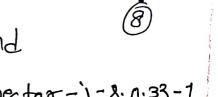
- then dick on next
- only select YARN + MapPeduce2, Tez, Hive,
 Pig, 200keeper, Ambany matrics, smart sense (delat)
 then next
- in step & (Assign masters) dick next
- in step & select only Data node, node manage, client then next
- in step 7 (cytomize services)

Grafancy Admin - Password = grafang Hive Database - Password = hive Activity Admin - Password - admin. then next

- then dick on the download link, the . rpm file will be downloaded in /root/Downloads/directory.

~

In node 1 terminal run this command



ppm -i /root/Downloads/mysal-connector-j-8.0.33-1. elt. Noarch. ppm

11 /452/share/java/mysql-connector-java..jax

ambari - server setup -- jaba-db=mysal -- jbdbc-driver=/usr/share 1 java/mysal-connector-java.jar

then open amburi service tab in webrowse & dick on next

now wait, all services will be installed by some time