**Configuring Pre-requisites on RHEL/CentOS-6**

* **Disable Transparent Huge Page ( Addd the bellow lines to /etc/rc.local file )**

echo never > /sys/kernel/mm/redhat\_transparent\_hugepage/enabled

echo never > /sys/kernel/mm/redhat\_transparent\_hugepage/defrag

* **Change VM Swappinnes**

Open file /etc/sysctl.conf and add the line vm.swappiness = 10

Verify the same by listing contents of file /proc/sys/vm/swappiness

* **Disable Firewall**

chkconfig iptables off

chkconfig ip6tables off

* **Disable SElinux**

Open the file /etc/selinux/config and disable SELINUX

* **Change the host name**

Open the file using vim /etc/sysconfig/network

HOSTNAME=node1.hadoop.com ( provide the hostname )

* **Update the hostname and /etc/hosts files**

Open /etc/sysconfig/network and change hostname ,update hostname and IP infomations in /etc/hosts

* **Install NTP services and turn on ntpd service**

yum -y install ntp

chkconfig ntpd on

* **Create user and groups ( Execute from all nodes )**

groupadd hadoop

useradd -g hadoop hduser

* **Create password less ssh communication**

[root@master ~]# su - hduser

[hduser@master ~]$ ssh-keygen -t rsa

[hduser@master ~]$ cd .ssh

[hduser@master ~]$ cp id\_rsa.pub authorized\_keys

Other nodes execute the following

[hduser@node1 ~]$mkdir .ssh

[hduser@node1 ~]$chmod 700 .ssh

[hduser@node1 ~]$vim authorized\_keys #Copy the contents of authorized\_keys from master and paste

[hduser@node1 ~]$chmod 600 authorized\_keys

**Prerequisite script**

echo "echo never > /sys/kernel/mm/redhat\_transparent\_hugepage/enabled" >> /etc/rc.local

echo "echo never > /sys/kernel/mm/redhat\_transparent\_hugepage/defrag" >> /etc/rc.local

echo "vm.swappiness = 10" >> /etc/sysctl.conf

chkconfig iptables off

chkconfig ip6tables off

sed -i 's/SELINUX=enforcing/SELINUX=disabled/' /etc/selinux/config

yum -y install ntp

chkconfig ntpd on

You can copy above script and paste in to a file say for example pre\_req.sh .Add execute permission and then execute

chmod +x pre\_req.sh

./pre\_req.sh