

—Setting up a multi-node cluster —

3.5 Create and distribute RSA keys —

1. Ensure pdsh and ssh is installed. If not install with the following commands `sudo apt-get install pdsh` `sudo apt-get install openssh-server`
2. Edit `~/.bashrc` > The RCMD type of the pdsh connection is set to ssh everytime you open bash. Run the following command to set it. > `echo "export PDSH_RCMD_TYPE=ssh" >> ~/.bashrc`
3. Run the following commands to generate an SSH key for the master and distribute the public keys to the slaves. > In Master node `ssh-keygen -t rsa` `ssh-copy-id -i ~/.ssh/id_rsa.pub user1@hadoop-master` `ssh-copy-id -i ~/.ssh/id_rsa.pub user2@hadoop-slave-1` `ssh-copy-id -i ~/.ssh/id_rsa.pub user3@hadoop-slave-2` > In Master and Slave nodes `chmod 0600 ~/.ssh/authorized_keys` //setting access permission to only readable and executable > > **NOTE:** You can access each slave (node) by SSH-ing into it with the following command. `ssh slave_name`

SOURCES: 1. Configuring key based login