

Notes

To create password less login for pbeesly, abernard and k Kapoor. I used the following commands, I logged into machine E using `ssh root@10.21.32.2` and then logged into each user and generated a public key using command `ssh-keygen -t rsa` and then copied the public key to machine C using `ssh-copy-id pbeesly@100.64.7.3` and check if permission is given properly and login to machine E as pbeesly and check if I can login to the user of machine C without password.

To allow Dwight Schrute to run command via sudo without adding him to the sudo or wheel group. Created a custom sudoers file using `sudo visudo -f /etc/sudoers.d/dschrute` and included a rule to allow Dwight to run any command without requiring membership in sudo or wheel using `dschrute ALL=(ALL) ALL` and check if permission are correct. If it is configured correctly and by using `sudo whoami` command, the command will return root.

To allow Michael Scott to shutdown any of the DMZ machines, I created a custom sudoers file using command `sudo visudo -f /etc/sudoers.d/mscott` and to define shutdown permission I gave a rule using command `mscott ALL=(ALL) NOPASSWD: /sbin/shutdown -h +[1-9][0-9][0-9], /sbin/shutdown -h +[1-9][2-9][0-9]` and `mscott ALL=(ALL) NOPASSWD: /sbin/shutdown -c`. This line allows mscott to execute the shutdown command with a delay ranging from 120 to 999 minutes and to cancel the pending shutdown, Saved and gave permission. To schedule a shutdown with notice using command `sudo shutdown -h +120` it will run and to cancel, the command is `sudo shutdown -c`.

To allow jim halpert to change the ownership of files on machine E to another user and not the root. I had to create a sudoers file for jhalpert and include a rule such as `jhalpert =(ALL) /bin/chown[^rR] [^roO] [^oO] [^tT]* *` and saved it. To test if it's working I created a file called abc.txt. By using command `sudo chown pbeesly testfile.txt` it will give ownership to pbeesly but if we give root, it will give an error. It took approximately 7 hours to do the assignment.