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CSCI 4113
Lab 6

1. On machine F, 'ip addr' to get machine F's mac address: 00:50:56:b4:c9:89
2. 'vi /etc/sysconfig/network-scripts/ifcfg-eno16780032' and set ONBOOT=YES
3. On machine A, add machine F mac address, and fixed IP address in /etc/dhcp/dhcpd.conf

```
subnet 100.64.36.0 netmask 255.255.255.0 {  
    authoritative;  
    range 100.64.36.0 100.64.36.254;  
    default-lease-time 3600;  
    max-lease-time 3600;  
    option subnet-mask 255.255.255.0;  
    option broadcast-address 100.64.36.255;  
    option routers 100.64.36.0;  
    option domain-name-servers 8.8.8.8;  
    option domain-name "example.com";  
}  
  
host machine_F {  
    hardware ethernet 00:50:56:b4:c9:89;  
    fixed-address 100.64.36.5;  
    option host-name machineF;  
}
```

4. Machine F can now be SSH'ed into, but has no internet access. To fix this set default gateway: 'route add default gw 100.64.36.1'
5. On machine f:
 - a. Yum install httpd
 - b. Systemctl enable httpd
 - c. Systemctl start httpd
6. 'yum install rsync' on machine F and machine B
7. On machine B, rsync /etc/sudoers,group,shadow,passwd to machine F.
8. On machine F, edit crontab: 'crontab -e'
0 * * * * rsync -chavzP -stats root@100.64.36.2:/var/www/ /var/www/
9. Set up rsync to not require password every time:
 - a. On machine F: 'ssh-keygen', ENTER, ENTER, ENTER
 - b. 'ssh-copy-id -I ~/.ssh/id_rsa.pub 100.64.36.2'
10. Web browser at 100.64.36.5 still shows apache test page.
 - a. Cp -r /var/www/dundermifflin/* /var/www/html/

