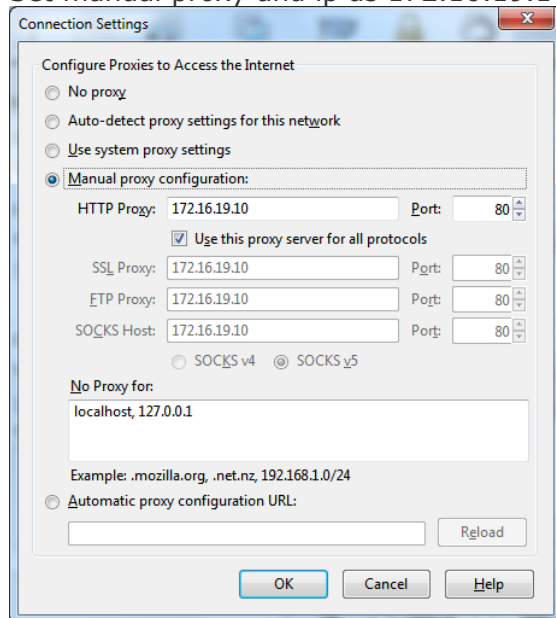1. Open Firefox, go to Edit>preferences>network> settings
Set manual proxy and ip as 172.16.19.10 and port as 80

2. Download the latest version of cntlm-0.92.3-1.x86_64.rpm
from http://sourceforge.net/projects/cntlm/files/cntlm/

3. Install it with:
```
rpm  -ivh cntlm-0.92.3-1.x86_64.rpm
```

4. Now edit the **/etc/cntlm.conf** file as shown below.
```
Proxy 172.16.19.10:80
Listen 3128
NoProxy          localhost, 127.0.0.*, 10.*, 192.168.*
```

5. Restart cntlmd daemon
```
sudo /etc/init.d/cntlmd restart
 Shutting down CNTLM Authentication Proxy: [ OK ]
 Starting CNTLM Authentication Proxy: [ OK ]
```

6. Check if the daemon Listening
```
netstat -an | grep 3128
tcp 0 0 127.0.0.1:3128 0.0.0.0:* LISTEN
```

7. Auto start the service with command:
```
chkconfig cntlmd on
```

8. Add following line in **/etc/yum.conf** file as shown below.
```
proxy=http://127.0.0.1:3128
```