

Installing CUPS and Connecting to Windows 10 printer

Setup:

Create virtual machine cups

Change to static ip and have dns1 pointing to the samba server ip

```
$ vim /etc/sysconfig/network-scripts/ifcfg-eth0
$ yum install realmd
$ realm discover -v eaguilera.net
$ yum install oddjob-mkhomedir sssd adcli samba-common-tools
$ check again realm discover -v eaguilera.net
$ realm join -v eaguilera.net
$ realm discover -v eaguilera.net
$ yum install gobject-introspection.x86_64 pygobject2.x86_64
$ systemctl stop cups
$ vim /etc/cups/cupsd.conf
```

Modify cupsd.conf and add the following lines of code that are missing.

```
MaxLogSize 0
LogLevel warn
# Allow remote access
Port 631
Listen /var/run/cups/cups.sock
Browsing On
BrowseOrder allow,deny
BrowseAllow all
BrowseRemoteProtocols dnssd
BrowseLocalProtocols dnssd
DefaultAuthType Basic
WebInterface Yes
<Location />
    # Allow remote administration...
    Order allow,deny
    Allow all
</Location>
<Location /printers>
    # Allow remote administration...
    Order allow,deny
    Allow all
</Location>
<Location /admin>
    # Allow remote administration...
```

```

    Order allow,deny
    Allow all
</Location>
<Location /admin/conf>
    AuthType Default
    Require user @SYSTEM
    # Allow remote access to the configuration files...
    Order allow,deny
    Allow all
</Location>
<Policy default>
    JobPrivateAccess default
    JobPrivateValues default
    SubscriptionPrivateAccess default
    SubscriptionPrivateValues default
    <Limit Create-Job Print-Job Print-URI Validate-Job>
        Order deny,allow
    </Limit>
$ systemctl start cups
$ yum install hplip
$ hp-setup -i 139.182.135.54
$ yum install cups-ipptool
$ grep cups /etc/services

```

Adding ports

```

$ firewall-cmd --permanent --zone=public --add-port=631/tcp
$ firewall-cmd --permanent --zone=public --add-port=631/udp
$ firewall-cmd --reload
$ lpstat -t

```

Connect Cups Server to Windows 10 Printer & Install the driver

```

> hp universal printing driver pcl6
> cmd /c rundll132 printui.dll,PrintUIEntry /b "LP356" /x /n "part of n switch" /if /f
%windir%\inf\ntprint.inf /r "http://192.169.122.11:631/printers/LP351" /m "HP Universal Printing
PCL 6"

```