

# LinuxWin

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## CUPS + AirPrint on Raspberry Pi

### Install CUPS and Enable Remote Access

```
apt-get install cups
```

### Add Pi user to lpadmin group

```
usermod -aG lpadmin pi
```

### Enable Remote Access

**/etc/cups/cupsd.conf**

Comment out **Listen localhost:631** and add **Port 631** then **Allow** access

**/etc/cups/cupsd.conf**

```
# Only listen for connections from the local machine
# Listen localhost:631
Port 631
```

```
< Location / >
# Restrict access to the server...
Order allow,deny
Allow @local
< /Location >
```

```
< Location /admin >
# Restrict access to the admin pages...
```

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## About This Site

This may be a good place to introduce yourself and your site or include some credits.

```
Order allow,deny
```

```
Allow @local
```

```
< /Location >
```

```
< Location /admin/conf >
```

```
AuthType Default
```

```
Require user @SYSTEM
```

```
# Restrict access to the configuration files...
```

```
Order allow,deny
```

```
Allow @local
```

```
< /Location >
```

## Restart CUPS

```
/etc/init.d/cups restart
```

Now you are able to access remotely x.x.x.x:631 and add the printer

## Install AirPrint

```
apt-get install avahi-discover cups cups-pdf python-cups  
apt-get install hplip
```

## Make your old printer AirPrint capable

```
/etc/init.d/avahi-daemon start  
mkdir /opt/airprint  
cd /opt/airprint  
wget -O airprint-generate.py --no-check-certificate https://raw.githubusercontent.com/linuxwin/cups-airprint-on-raspberry-pi/master/airprint-generate.py  
chmod +x airprint-generate.py  
./airprint-generate.py -d /etc/avahi/services  
/etc/init.d/avahi-daemon restart  
ls /etc/avahi/services/
```

## Add those files with this content

**/usr/share/cups/mime/local.convs**

```
/usr/share/cups/mime/local.convs
```

```
image/urf application/vnd.cups-postscript 66 pdftops
```

### **/usr/share/cups/mime/apple.types**

```
/usr/share/cups/mime/apple.types
```

```
image/urf urf (0,UNIRAST)
```

### **/usr/share/cups/mime/apple.convs**

```
/usr/share/cups/mime/apple.convs
```

```
image/urf application/pdf 100 pdftoraster
```

## Open port 631

```
iptables -A INPUT -i eth0 -p tcp -m tcp --dport 631 -j
```

```
ACCEPT
```

```
iptables -A INPUT -i eth0 -p udp -m udp --dport 631 -j
```

```
ACCEPT
```

## Disable power saving (optional)

/etc/modprobe.d/8192cu.conf

```
/etc/modprobe.d/8192cu.conf
```

```
# Disable power saving
```

```
options 8192cu rtw_power_mgnt=0 rtw_enusbss=1 rtw_ips_mo
```

## Connect from windows

[http://server\\_ip:631/printers/printer\\_name](http://server_ip:631/printers/printer_name)

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Posted by: [lesorsier](#) on 27/03/2017

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