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2013#11#07 #####.

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```
##### # http://www.cups.org/.
```

2.

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#### ##### # #####. #####—  
#### # #####, ##### root #—  
#####:
```

```
# cd /usr/ports/print/cups && make install clean
```

```
### #####, #####:
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```
# pkg_add -r cups
```

```
##### # #####/  
##### # ##### #—  
## # #####. #####  
##### /usr/local/etc/cups.
```

3.

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#####—  
#####. ### ##### # /etc/devfs.rules #  
##### #—  
##### #—  
##### cups:
```

```
[system=10]  
add path -'unlpt*' mode 0660 group cups  
add path -'ulpt*' mode 0660 group cups  
add path -'lpt*' mode 0660 group cups  
add path -'usb/X.Y.Z' mode 0660 group cups
```


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5. #####

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5.1. #####® #####

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##### ## ##. # #####, ## #####
##### ## ##### # ##### http://localhost:631 # ##
##### #####. ##### #####
#####, ##### #####, ##### ##
#####, ## ##### ipp ## http # ##### ## ## (##)
#####:
```

ipp://server-name-or-ip/printers/printername

`http://server-name-or-ip:631/printers/printername`

```
#####  
##### /usr/local/etc/cups/client.conf #####  
#####:
```

ServerName *server-ip*

```
# ##### server-ip ##### ## ## ##### ##### # #####.
```

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5.2. #####®#####

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#####  
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# #####  
## ##### (Add Printer) ##### (Network Printer), # #####  
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```

```
http://server-name-or-ip:631/printers/printername
```

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##### # #####  
##### (8) (#####). #####  
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##### cups. #####  
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##### /usr/local/etc/cups/cupsd.conf # #####  
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##### /usr/local/etc/cups/cupsd.conf. #####  
##### cupsd.conf #####  
#####  
#####
```

```
# Log general information in error_log -- change -"info" to -"debug" for  
# troubleshooting...  
LogLevel info  
  
# Administrator user group...  
SystemGroup wheel  
  
# Listen for connections on Port 631.  
Port 631  
#Listen localhost:631  
Listen -/var/run/cups.sock  
  
# Show shared printers on the local network.  
Browsing On  
BrowseOrder allow,deny  
#BrowseAllow @LOCAL
```

```
BrowseAllow 192.168.1.* # change to local LAN settings
BrowseAddress 192.168.1.* # change to local LAN settings

# Default authentication type, when authentication is required...
DefaultAuthType Basic
DefaultEncryption Never # comment this line to allow encryption

# Allow access to the server from any machine on the LAN
<Location -/>
  Order allow,deny
  #Allow localhost
  Allow 192.168.1.* # change to local LAN settings
</Location>

# Allow access to the admin pages from any machine on the LAN
<Location -/admin>
  #Encryption Required
  Order allow,deny
  #Allow localhost
  Allow 192.168.1.* # change to local LAN settings
</Location>

# Allow access to configuration files from any machine on the LAN
<Location -/admin/conf>
  AuthType Basic
  Require user @SYSTEM
  Order allow,deny
  #Allow localhost
  Allow 192.168.1.* # change to local LAN settings
</Location>

# Set the default printer/job policies...
<Policy default>
  # Job-related operations must be done by the owner or an administrator...
  <Limit Send-Document Send-URI Hold-Job Release-Job Restart-Job Purge-Jobs \
Set-Job-Attributes Create-Job-Subscription Renew-Subscription Cancel-Subscription \
Get-Notifications Reprocess-Job Cancel-Current-Job Suspend-Current-Job Resume-Job \
CUPS-Move-Job>
    Require user @OWNER @SYSTEM
    Order deny,allow
  </Limit>

  # All administration operations require an administrator to authenticate...
  <Limit Pause-Printer Resume-Printer Set-Printer-Attributes Enable-Printer \
Disable-Printer Pause-Printer-After-Current-Job Hold-New-Jobs Release-Held-New-Jobs \
Deactivate-Printer Activate-Printer Restart-Printer Shutdown-Printer Startup-Printer \
Promote-Job Schedule-Job-After CUPS-Add-Printer CUPS-Delete-Printer CUPS-Add-Class \
CUPS-Delete-Class CUPS-Accept-Jobs CUPS-Reject-Jobs CUPS-Set-Default>
    AuthType Basic
    Require user @SYSTEM
    Order deny,allow
  </Limit>
```


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```
# Only the owner or an administrator can cancel or authenticate a job...
<Limit Cancel-Job CUPS-Authenticate-Job>
  Require user @OWNER @SYSTEM
  Order deny,allow
</Limit>

<Limit All>
  Order deny,allow
</Limit>
</Policy>
```

7.

/etc/make.conf, #####
####.

```
WITH_CUPS=YES
CUPS_OVERWRITE_BASE=YES
WITHOUT_LPR=YES
```


buildworld. #####
WITHOUT_LPR, #####
#####.

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