# Windows 7 Firewall Settings for Site-to-Site File and Printer Sharing
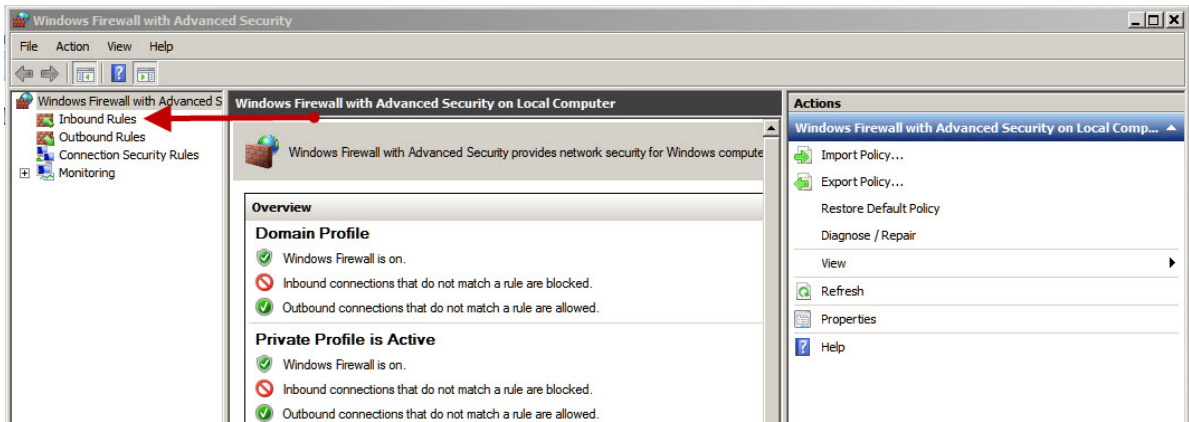
Shorthand List:

File and Printer Sharing (LLMNR-UDP-In)   *Private*
File and Printer Sharing (NB-Datagram-In)   *Private*
File and Printer Sharing (NB-Name-In)   *Private*
File and Printer Sharing (NB-Session-In)   *Private*
File and Printer Sharing (SMB-In)   *Private*

Step 1 Open:
Control Panel /
Administrative Tools /
Windows Firewall with Advanced Security
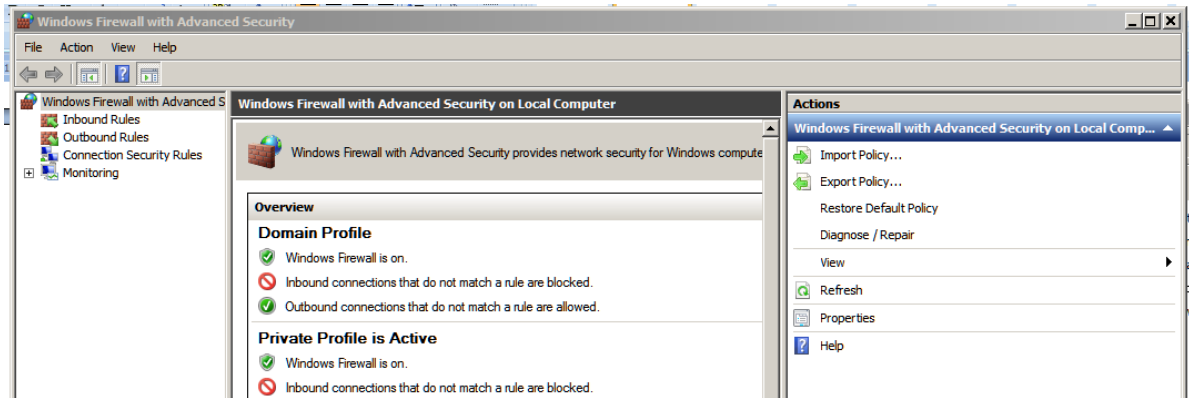
Step 2 Select *Inbound Rules*

Step 3 Click on the Column Heading "Name" to alphabetize the names.

Scroll down the list so that all the File and Printer Sharing items are visible.

Step 4 Highlight File and Printer Sharing (LLMNR-UDP-In) with
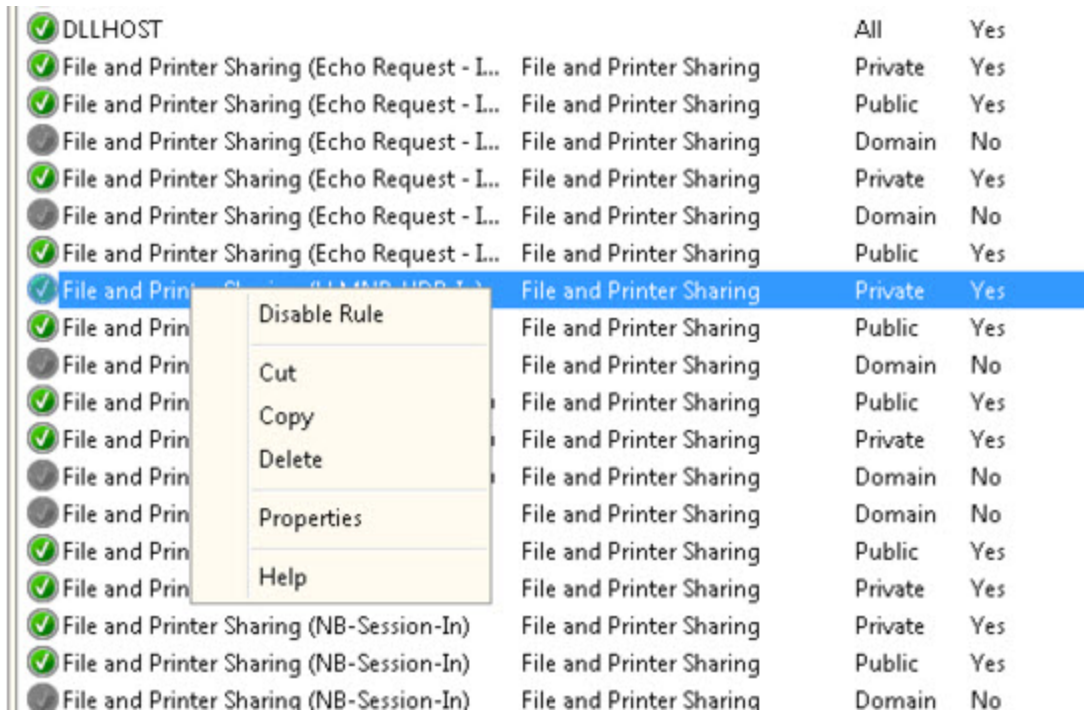   Profile: Private
        Protocol: UPD
        Local Port: 5355

        Right click and select Properties

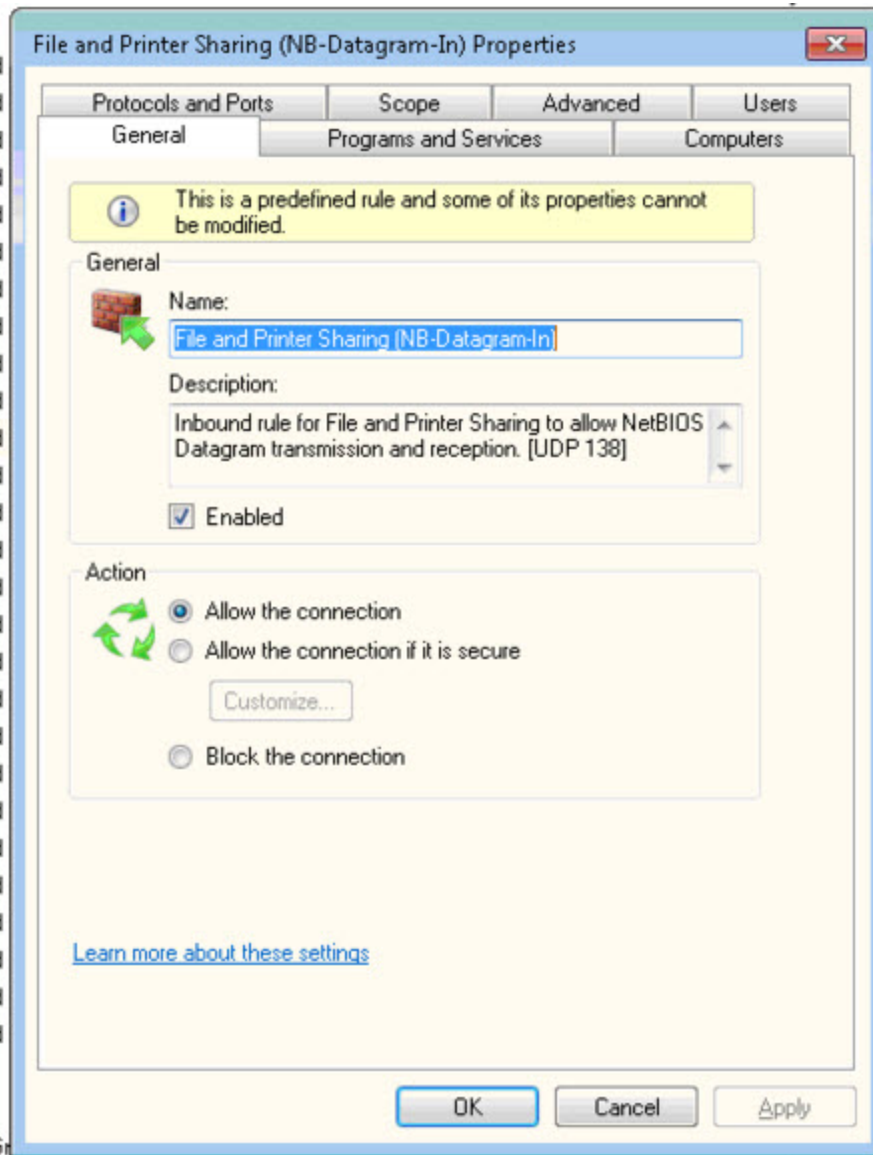**Step 5** Highlight File and Printer Sharing (LLMNR-UDP-In) with
        Profile: Private
        Protocol: UPD
        Local Port: 5355

        Right click and select Properties

Step 6 Properties Dialog

Under DESCRIPTION you should see UPD 5355.

Select the SCOPE TAB

Step 7 SCOPE Dialog

Under Remote IP address with "These IP addresses:" selected:

Click on "Add.."

File and Printer Sharing (LLMNR-UDP-In) Properties

General	Programs and Services	Computers
Protocols and Ports	Scope	Advanced	Users

Local IP address

- ⦿ Any IP address
- ◯ These IP addresses:

  Add...
  Edit...
  Remove

Remote IP address

- ◯ Any IP address
- ⦿ These IP addresses:

  Local subnet
  10.0.2.0/24
  10.0.3.0/24

  Add...
  Edit...
  Remove

Learn more about setting the scope

OK   Cancel   Apply
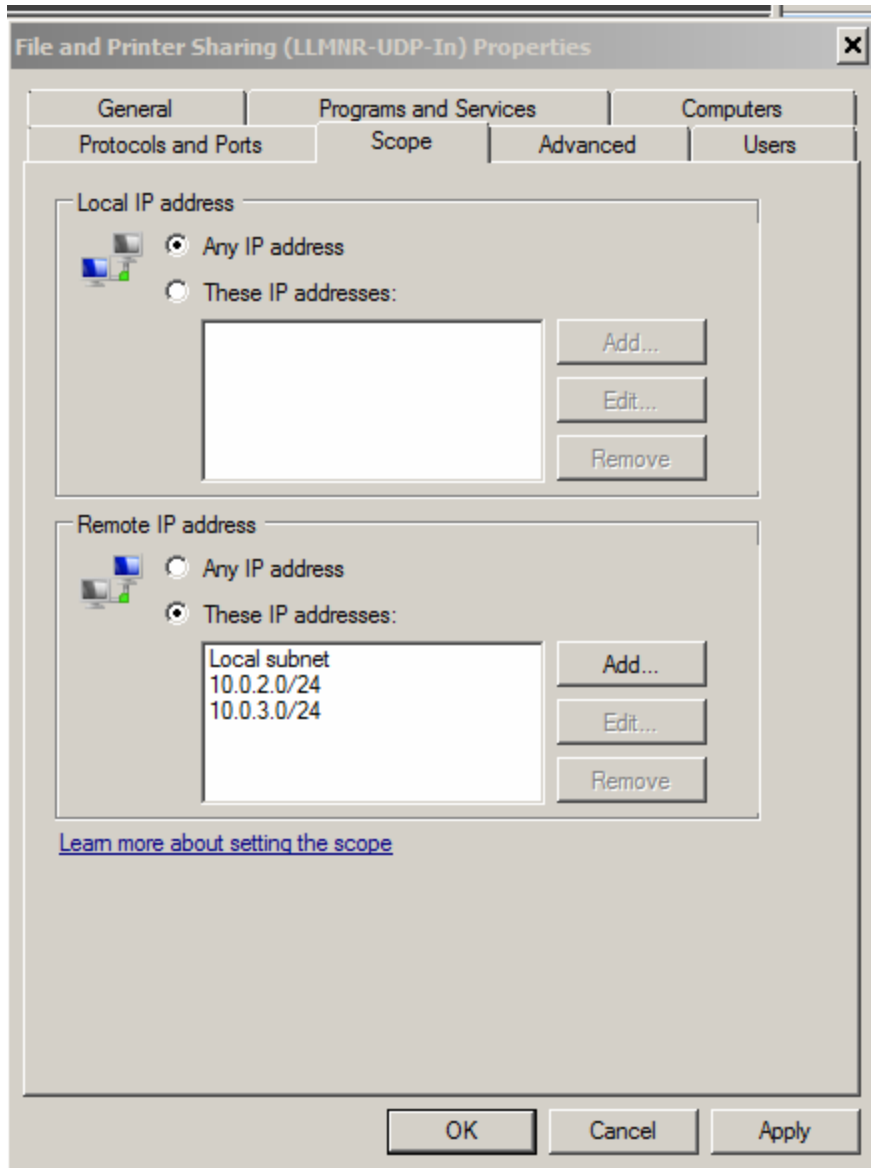
NOTE: The subnets for the organization are as follows:

Site 1: 10.0.1.0/24
Site 2: 10.0.2.0/24
Site 3: 10.0.3.0/24

Step 8 Add one of your two *REMOTE* subnets.
That is:
- if you are in Site 1 then you will add Site 2 and Site 3.
- If you are in Site 2 then you will add Site 1 and Site 3.
- If you are in Site 3 then you will add Site 1 and Site 2.

IP Address

Specify the IP addresses to match:

◉ This IP address or subnet:

```
10.0.1.0/24
```

Examples: 192.168.0.12
192.168.1.0/24
2002:9d3b:1a31:4:208:74ff:fe39:6c43
2002:9d3b:1a31:4:208:74ff:fe39:0/112

○ This IP address range:

From:
To:

○ Predefined set of computers:

Default gateway

Learn more about specifying IP addresses

OK   Cancel

Step 9 Add the other of your two *REMOTE* subnets as above.

When you're done, the dialog should look like the one shown in Step 7 with two entries.

Step 10 Highlight *File and Printer Sharing (NB-Datagram-In)* with
Profile: Private
Protocol: UDP
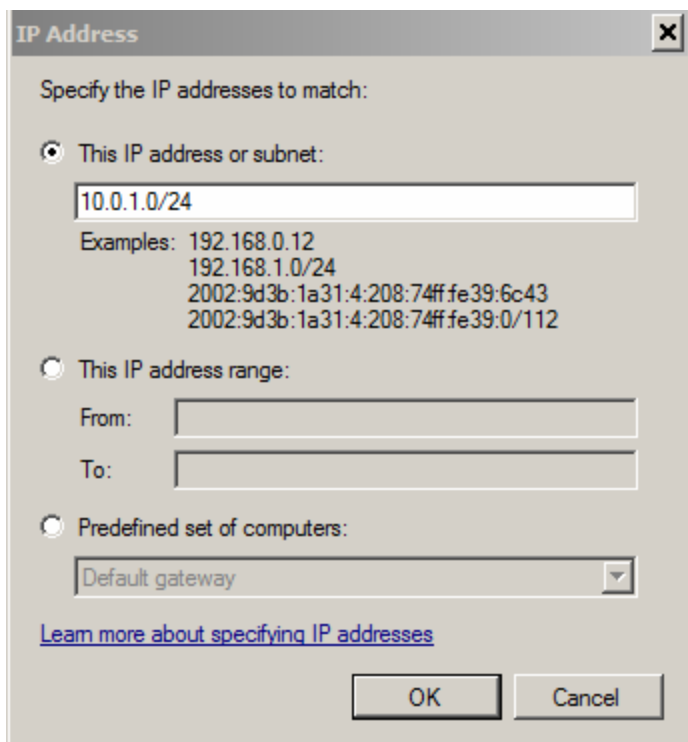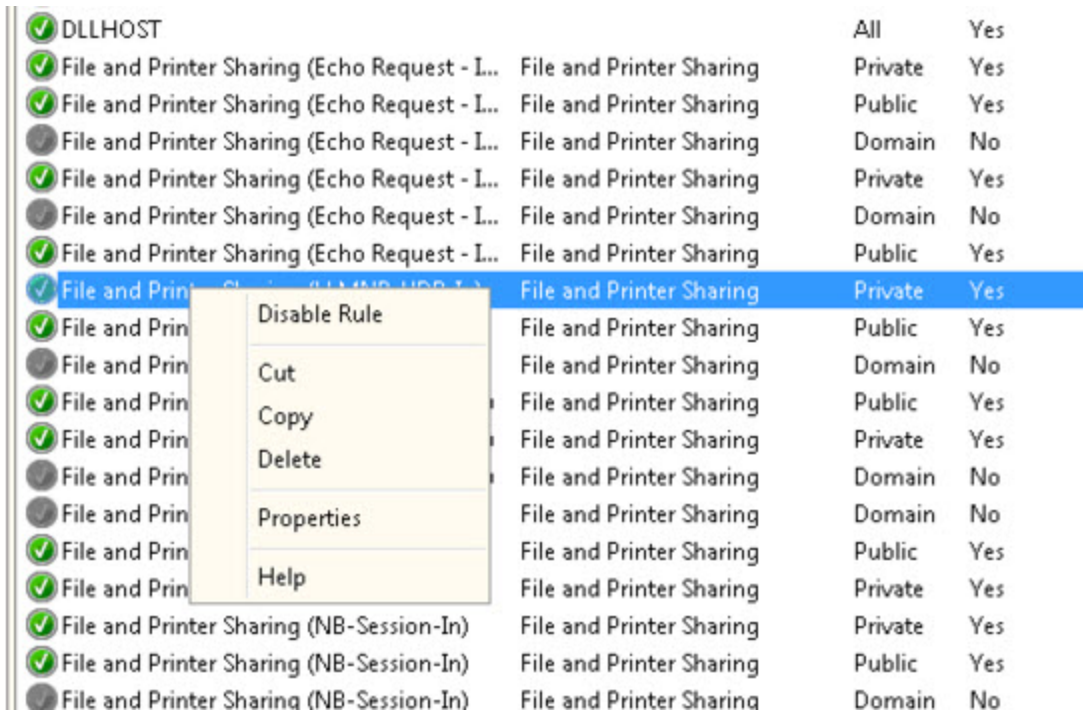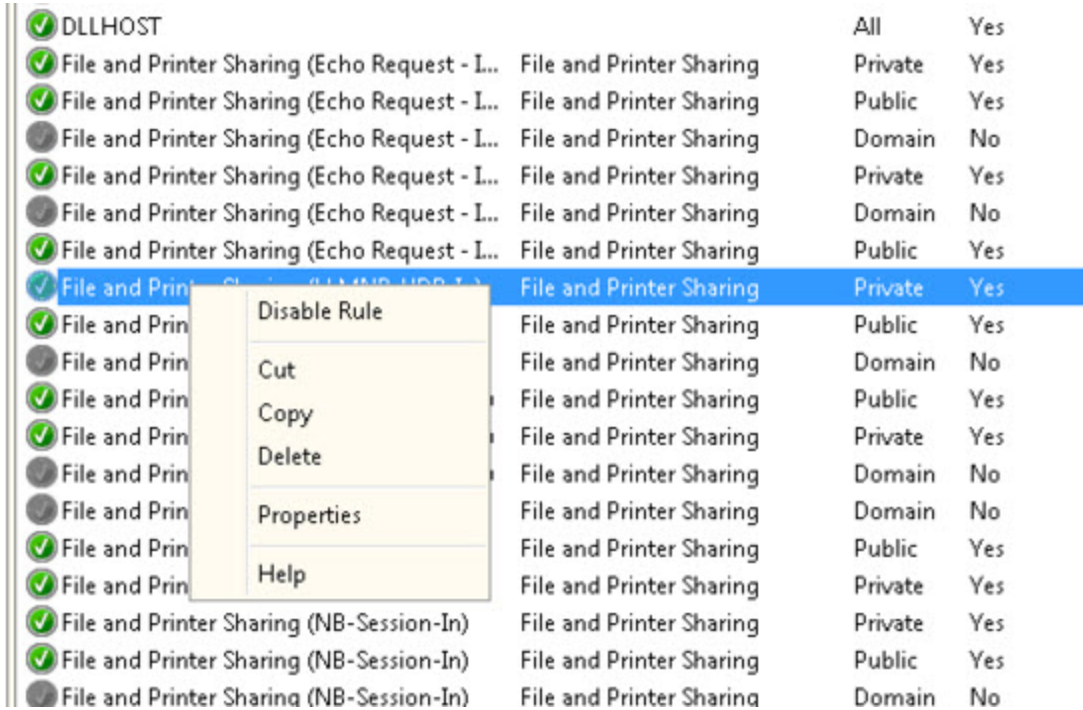Local Port: **138**

Right click and select Properties

✅ DLLHOST		All	Yes	
✅ File and Printer Sharing (Echo Request - I...	File and Printer Sharing	Private	Yes	
✅ File and Printer Sharing (Echo Request - I...	File and Printer Sharing	Public	Yes	
File and Printer Sharing (Echo Request - I...	File and Printer Sharing	Domain	No	
✅ File and Printer Sharing (Echo Request - I...	File and Printer Sharing	Private	Yes	
File and Printer Sharing (Echo Request - I...	File and Printer Sharing	Domain	No	
✅ File and Printer Sharing (Echo Request - I...	File and Printer Sharing	Public	Yes	
✅ File and Print...	File and Printer Sharing	Private	Yes	

Disable Rule

Cut

Copy

Delete

Properties

Help

✅ File and Prin...	File and Printer Sharing	Public	Yes
File and Prin...	File and Printer Sharing	Domain	No
✅ File and Prin...	File and Printer Sharing	Public	Yes
✅ File and Prin...	File and Printer Sharing	Private	Yes
File and Prin...	File and Printer Sharing	Domain	No
File and Prin...	File and Printer Sharing	Domain	No
✅ File and Prin...	File and Printer Sharing	Public	Yes
✅ File and Prin...	File and Printer Sharing	Private	Yes
✅ File and Printer Sharing (NB-Session-In)	File and Printer Sharing	Private	Yes
✅ File and Printer Sharing (NB-Session-In)	File and Printer Sharing	Public	Yes
File and Printer Sharing (NB-Session-In)	File and Printer Sharing	Domain	No

Step 11 Properties Dialog

Under DESCRIPTION you should see UPD 138

Select the SCOPE TAB

REPEAT STEPS 7 through 9<<<<<<<<<<<<<<<<<<<<<<<<<

Step 12 Highlight *File and Printer Sharing (NB-Name-In)* with
Profile: Private
Protocol: UDP
Local Port: **137**

Right click and select Properties

Step 11 Properties Dialog

Under DESCRIPTION you should see UPD 137

Select the SCOPE TAB

REPEAT STEPS 7 through 9<<<<<<<<<<<<<<<<<<<<<<<<<

Step 12 Highlight *File and Printer Sharing (NB-Session-In)* with
Profile: Private
Protocol: TCP
Local Port: **139**

Right click and select Properties

Step 13 Properties Dialog

Under DESCRIPTION you should see TCP 139

Select the SCOPE TAB

REPEAT STEPS 7 through 9<<<<<<<<<<<<<<<<<<<<<<<<

Step 14 Highlight *File and Printer Sharing (SMB-In)* with
Profile: Private
Protocol: TCP
Local Port: **445**

Right click and select Properties

Step 15 Properties Dialog

Under DESCRIPTION you should see TCP 445 ? ? ?

Select the SCOPE TAB

REPEAT STEPS 7 through 9<<<<<<<<<<<<<<<<<<<<<<<<

THE END……..