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

### Shorthand List:

File and Printer Sharing (LLMNR-UDP-In)PrivateFile and Printer Sharing (NB-Datagram-In)PrivateFile and Printer Sharing (NB-Name-In)PrivateFile and Printer Sharing (NB-Session-In)PrivateFile 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

-					
	<b>O</b> LLHOST			All	Yes
	🔇 File and Printer S	Sharing (Echo Request - L	File and Printer Sharing	Private	Yes
	🕑 File and Printer S	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 S	Sharing (Echo Request - I	File and Printer Sharing	Private	Yes
	File and Printer	Sharing (Echo Request - L	File and Printer Sharing	Domain	No
	🖉 File and Printer S	Sharing (Echo Request - I	File and Printer Sharing	Public	Yes
	🕜 File and Prin		File and Printer Sharing	Private	Yes
	🕑 File and Prin	Disable Rule	File and Printer Sharing	Public	Yes
	File and Prin	Cut	File and Printer Sharing	Domain	No
	🕑 File and Prin	Conv	File and Printer Sharing	Public	Yes
	🔇 File and Prin	Delete	File and Printer Sharing	Private	Yes
	File and Prin	Delete	File and Printer Sharing	Domain	No
	File and Prin	Properties	File and Printer Sharing	Domain	No
	🔇 File and Prin		File and Printer Sharing	Public	Yes
	🕑 File and Prin	Help	File and Printer Sharing	Private	Yes
	🔇 File and Printer S	Sharing (NB-Session-In)	File and Printer Sharing	Private	Yes
	🐼 File and Printer S	Sharing (NB-Session-In)	File and Printer Sharing	Public	Yes
l	File and Printer S	Sharing (NB-Session-In)	File and Printer Sharing	Domain	No

Step 6 Properties Dialog

Protocols and Ports	Scope	Advanced	Use
General	Programs and Se	rvices	Computers
This is a second	left and a data and a same	- 6 'ba	
<ul> <li>I his is a pred be modified.</li> </ul>	erined rule and some	or its properties of	annot
General			
Name:			
File and Print	er Sharing (NB-Datag	(ram-In	
Description:			
Inbound rule Datagram tra	for File and Printer Sh nsmission and recept	naring to allow Ne ion. [UDP 138]	tBIOS 🔶
Enabled			
Action			
Allow the	connection		
K 🖉 🔘 Allow the	connection if it is sec	ure	
Customi	ze		
Block the	connection		
U DIOCK (IIC	0011100001		
earn more about these	settings		

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 (L	LMNR-UDP-In) Pr	operties	×
General	Programs and Serv	ices (	Computers
Protocols and Ports	Scope	Advanced	Users
Local IP address	ress		
C These IP a	ddresses:		
		Add	
		Edit	
		Remove	
Remote IP address			
📕 🔿 Any IP add	lress		
These IP a	iddresses:		- I,
10.0.2.0/2	24 24	Add	
10.0.0.0		Edit	
		Hemove	P
Learn more about setting t	he scope		
	ОК	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	
O This IP address range:	
From:	
To:	
O 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.

# Step10 Highlight File and Printer Sharing (NB-Datagram-In) with<br/>Profile: Private<br/>Protocol: UDP<br/>Local Port: 138

<b>Ø</b> 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 Prin		File and Printer Sharing	Private	Yes
🕑 File and Prin	Disable Rule	File and Printer Sharing	Public	Yes
File and Prin	Cut	File and Printer Sharing	Domain	No
🕑 File and Prin	Conv	File and Printer Sharing	Public	Yes
🕑 File and Prin	Delete	File and Printer Sharing	Private	Yes
File and Prin	Delete	File and Printer Sharing	Domain	No
File and Prin	Properties	File and Printer Sharing	Domain	No
🕑 File and Prin		File and Printer Sharing	Public	Yes
🕑 File and Prin	Help	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

Protocols and Ports	Scope	Advance	ed l	Jsers
General	Programs and Ser	vices	Compu	ters
<ul> <li>This is a prec be modified</li> </ul>	defined rule and some	of its propertie	is cannot	ľ
General				
Name:				
File and Print	er Sharing (NB-Datag	ram-In)		
Description:				
Inbound rule Datagram tra	for File and Printer Sh nsmission and recept	naring to allow ion. [UDP 138]	NetBIOS 🔺	
🔽 Enabled				
Action				
Allow the	connection			
Allow the	connection if it is sec	ure		
Custom	ize			
Block the	connection			
earn more about these	settings			

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

<b>OLLHOST</b>			All	Yes
🕑 File and Printer Shar	ring (Echo Request - I	File and Printer Sharing	Private	Yes
🕑 File and Printer Sha	ring (Echo Request - I	File and Printer Sharing	Public	Yes
File and Printer Share	ring (Echo Request - I	File and Printer Sharing	Domain	No
🕑 File and Printer Sha	ring (Echo Request - I	File and Printer Sharing	Private	Yes
File and Printer Share	ring (Echo Request - I	File and Printer Sharing	Domain	No
🔇 File and Printer Shar	ring (Echo Request - I	File and Printer Sharing	Public	Yes
File and Print Ct	CONTRACTOR CONTA	File and Printer Sharing	Private	Yes
File and Prin	Disable Rule	File and Printer Sharing	Public	Yes
File and Prin	Cut	File and Printer Sharing	Domain	No
🕑 File and Prin	Conv	File and Printer Sharing	Public	Yes
🕑 File and Prin	Delate 1	File and Printer Sharing	Private	Yes
File and Prin	Jelete	File and Printer Sharing	Domain	No
File and Prin	Properties	File and Printer Sharing	Domain	No
🕑 File and Prin		File and Printer Sharing	Public	Yes
🕑 File and Prin	Help	File and Printer Sharing	Private	Yes
🕑 File and Printer Sha	ring (NB-Session-In)	File and Printer Sharing	Private	Yes
🐼 File and Printer Sha	ring (NB-Session-In)	File and Printer Sharing	Public	Yes
💮 File and Printer Sha	ring (NB-Session-In)	File and Printer Sharing	Domain	No

Step 11 Properties Dialog

Protocols and Ports	Scope	Advance	ed l	Jsers
General	Programs and Ser	vices	Compu	ters
<ul> <li>This is a prec be modified</li> </ul>	defined rule and some	of its propertie	is cannot	ľ
General				
Name:				
File and Print	er Sharing (NB-Datag	ram-In)		
Description:				
Inbound rule Datagram tra	for File and Printer Sh nsmission and recept	naring to allow ion. [UDP 138]	NetBIOS 🔺	
🔽 Enabled				
Action				
Allow the	connection			
Allow the	connection if it is sec	ure		
Custom	ize			
Block the	connection			
earn more about these	settings			

Under DESCRIPTION you should see UPD 137

Select the SCOPE TAB

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

# Step12 Highlight File and Printer Sharing (NB-Session-In) with<br/>Profile: Private<br/>Protocol: TCP<br/>Local Port: 139

<b>OLLHOST</b>			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 Prin		File and Printer Sharing	Private	Yes
🕑 File and Prin	Disable Rule	File and Printer Sharing	Public	Yes
File and Prin	Cut	File and Printer Sharing	Domain	No
🕑 File and Prin	Conv	File and Printer Sharing	Public	Yes
🕑 File and Prin	Delate	File and Printer Sharing	Private	Yes
File and Prin	Delete	File and Printer Sharing	Domain	No
File and Prin	Properties	File and Printer Sharing	Domain	No
File and Prin		File and Printer Sharing	Public	Yes
🕑 File and Prin	Help	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 13 Properties Dialog

	and Folts	Scope	Advanc	ed	Users
Gene	ral	Programs and Ser	vices	Comp	uters
()	This is a pre be modified	defined rule and some	of its properti	es cannot	
General					
the second	Name:				
-	File and Prin	ter Sharing (NB-Datag	ram-In)		1
	Description:				
	Inbound rule Datagram tra	for File and Printer Sh ansmission and recepti	aring to allow on. [UDP 138	NetBIOS	
Action					
-	Allow the	connection			
1	Allow the	connection if it is sec	ure		
	Custon	nize			
	Block the	e connection			
earn mo	re about these	e settings			

Under DESCRIPTION you should see TCP 139

Select the SCOPE TAB

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

Step14 Highlight File and Printer Sharing (SMB-In) with<br/>Profile: Private<br/>Protocol: TCP<br/>Local Port: 445

<b>OLLHOST</b>			All	Yes
SFile 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 Prin		File and Printer Sharing	Private	Yes
File and Prin	Disable Rule	File and Printer Sharing	Public	Yes
File and Prin	Cut	File and Printer Sharing	Domain	No
🕑 File and Prin	Conv	File and Printer Sharing	Public	Yes
🕑 File and Prin	Delate	File and Printer Sharing	Private	Yes
File and Prin	Delete	File and Printer Sharing	Domain	No
File and Prin	Properties	File and Printer Sharing	Domain	No
File and Prin		File and Printer Sharing	Public	Yes
🕑 File and Prin	Help	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 15 Properties Dialog

Protoco	ols and Ports	Scope	Advanc	ed	User
Gene	ral	Programs and Ser	vices	C	omputers
()	This is a pre be modified.	defined rule and some	of its propert	ies canno	t
General					1
in the second	Name:				
	File and Prin	ter Sharing (NB-Datag	ram-In)		
	Description:				
	Inbound rule Datagram tra	e for File and Printer Sh ansmission and recepti	aring to allow on. (UDP 13	/ NetBIOS 8]	4 >
Action					
-	Allow the	e connection			
1	Allow the	e connection if it is sec	ure		
	Custon	nize			
	© 01. 1. 1				
	Block the	e connection			
earn mo	re about these	e settings			

Under DESCRIPTION you should see TCP 445? ? ?

Select the SCOPE TAB

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

#### THE END.....