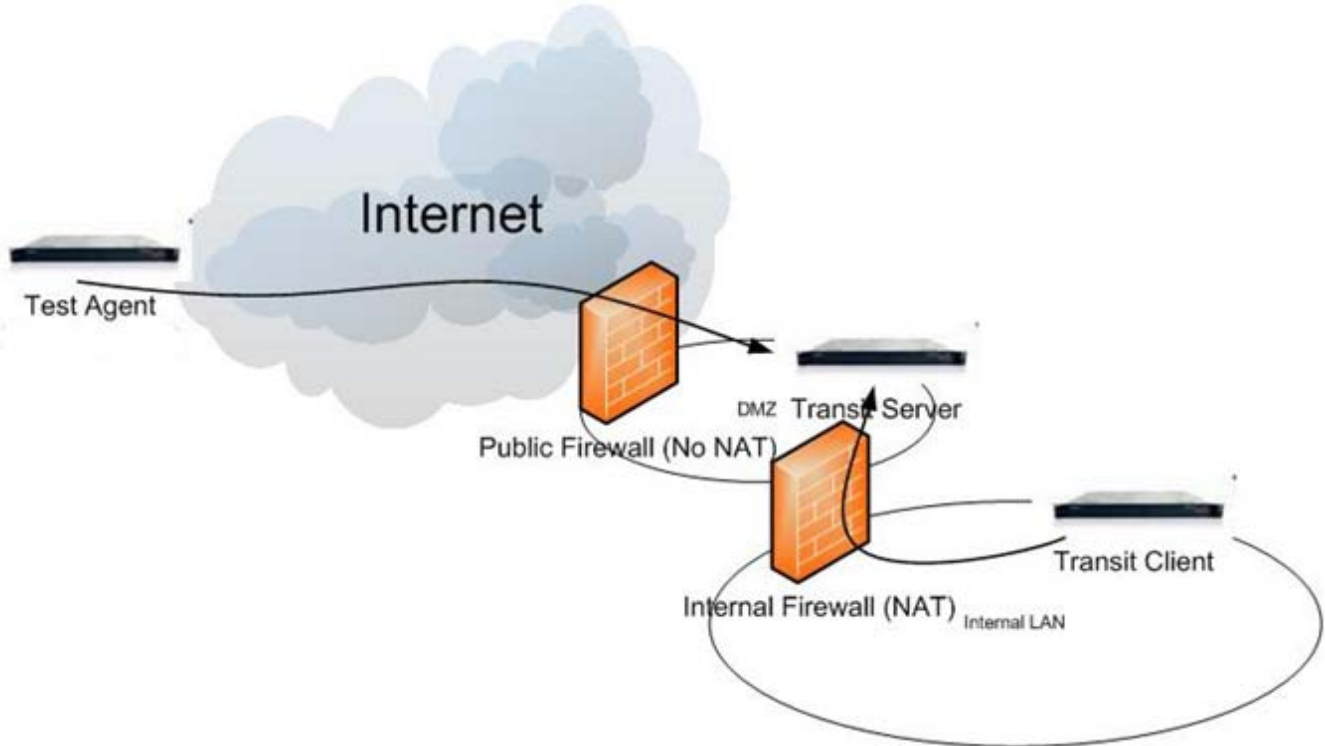




Technical Note

Verifying Your LifeSize Transit Deployment

LifeSize Transit v3.5 and later contains deployment verification tools for testing the port configuration through firewalls. For full deployment configuration, both firewalls, the public firewall and the internal firewall as depicted in the following diagram, must be tested. This document describes how to conduct both tests.



Testing the Port Configuration for the External Firewall

To test the server firewall between the LifeSize Transit Server and the Internet, connect the LifeSize Transit Server to the LifeSize Transit deployment test agent at <https://transitdeployment.lifesize.com:8181>. The deployment test agent can only test one deployment at a time. If a test is in progress, you must wait until it finishes to complete the following procedure.

1. Create a tunnel account on the LifeSize Transit Server for the LifeSize Transit deployment test agent.
2. From the LifeSize Transit Server, navigate to **Maintenance : Maintenance Mode** and click **Enter maintenance mode**.
3. Click **Verify deployment mode**.
4. From the LifeSize Transit Deployment Test Agent, navigate to **Configuration : Tunnel** and enter the LifeSize Transit Server IP address and the tunnel account credentials you created in step 1.
5. Navigate to **Maintenance : Maintenance Mode** and click **Enter maintenance mode**.

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6. Navigate to **Maintenance : Deployment Verification**.

NOTE: The server must be in deployment verification mode before you enter deployment verification mode on the test agent; otherwise you will receive an error stating you have lost the TCP connection.

The IP address of the server to which the test agent is connected and the test agent's tunnel account username appears. If these are incorrect, you must reconfigure the test agent's tunnel account on the server.

7. Click **Begin verification**. It may take up to 15 minutes for the process to complete. When the process completes, a page reports the success or failure of the overall deployment and of its constituent parts.
8. Optionally, click **Export** to create a copy of the verification report that you can download. LifeSize recommends that you save these reports.

Testing the Port Configuration for the Internal Firewall

This procedure is intended to test an installation of LifeSize Transit Client and LifeSize Transit Server and should be executed after you have verified the external firewall. This process is not intended for an installation of LifeSize Transit Server without LifeSize Transit Client.

1. From the LifeSize Transit Server, navigate to **Maintenance : Maintenance Mode** and click **Enter maintenance mode**.
2. Click **Verify deployment mode**.
3. From the LifeSize Transit Client, navigate to **Maintenance : Maintenance Mode** and click **Enter maintenance mode**.
4. Navigate to **Maintenance : Deployment Verification**.

NOTE: The server must be in deployment verification mode before you enter deployment verification mode on the client; otherwise you will receive an error stating you have lost the TCP connection.

The IP address of the server to which the client is tunneled and the client's tunnel account username appears. If these are incorrect, you must reconfigure the client's tunnel account on the server.

5. Click **Begin verification**. It may take up to 15 minutes for the process to complete. When the process completes, a page reports the success or failure of the overall deployment and of its constituent parts.
6. Optionally, click **Export** to create a copy of the verification report that you can download. LifeSize recommends that you save these reports.

Using the Report to Correct the Deployment

The report does not tell you the direction in which the ports are not open. Refer to the *LifeSize Transit Deployment Guide* to determine the direction in which the ports must be opened--incoming or outgoing--on the firewall.

Not all failures are critical. For example, SIP/TLS can fail because it is intended to be disabled in the deployment. One of the tunneling ports, 443 or 444, may be closed and therefore fail, but tunneling will simply use the other port.

After you correct the critical failures, run the deployment test again. The previous failure may have masked other problems in the configuration.

Refer to the following example deployment verification report:

Dashboard	Status	Configuration	Maintenance
Maintenance Mode	Deployment Verification	System	Change Password
		License	

Deployment Verification

[Restart verification](#) [Cancel verification](#) [Export](#)

Summary

Status	Success
Description	

General Information

IP address	209.163.159.49, 169.254.123.56
Active local address	209.163.159.49
Public address	209.163.159.49
Server address	77.89.153.91
NAT type	SymmetricUdpFw
SIP ALG detected	false

STUN Ports

Port name	STUN srv1 port1
Address	77.89.153.91:3478
Status	Success

Tunnel Ports

Port name	TCP-Signaling Tunnel
Address	77.89.153.91:444
Status	Success
Port name	TLS-Signaling Tunnel
Address	77.89.153.91:443
Status	Success

SIP Ports

Port name	SIP UDP
Address	77.89.153.91:5060
Status	Success
Port name	SIP TCP
Address	77.89.153.91:5060
Status	Success
Port name	SIP TLS
Address	77.89.153.91:5061
Status	Failure
Error	Connection failed

Media Ports

Port name	SSL-MediaTunnel
Address	77.89.153.92:443
Status	Success

Port name	TCP-MediaTunnel
Address	77.89.153.92:444
Status	Success
Port name	TCP-MediaTunnel80
Address	77.89.153.92:80
Status	Success
Port name	TURN-server
Address	77.89.153.92:3560
Status	Success
Port name	RTP
Address	77.89.153.92:45100-45899
Status	Success
Port name	TURN-public
Address	77.89.153.92:45900-46699
Status	Success

H.323 Ports

Port name	RAS
Address	77.89.153.91:1719
Status	Success
Port name	H.225.0 call signaling
Address	77.89.153.91:1720
Status	Success
Port name	H.245 signaling
Address	77.89.153.91:1722
Status	Success
Port name	H.460.19 RTP
Address	77.89.153.91:6768
Status	Success
Port name	H.460.19 RTCP
Address	77.89.153.91:6769
Status	Success
Port name	RTP/UDP
Address	77.89.153.91:45100-45900
Status	Success