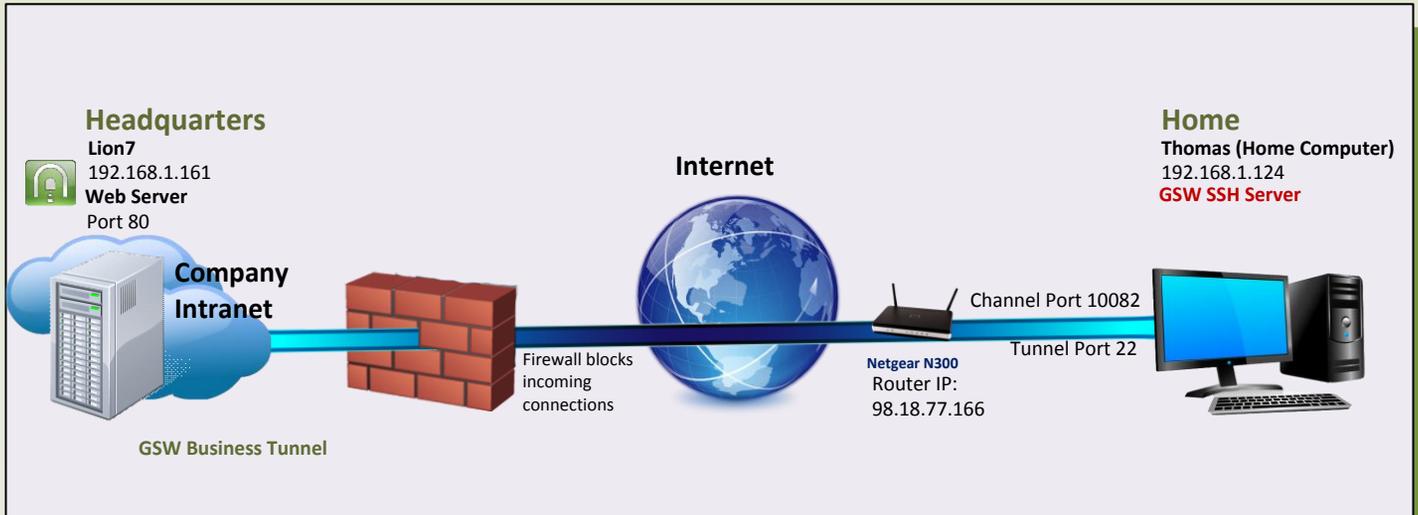# GSW
Business Tunnel

Example R01

Securely Browse the Company Intranet From Home, Even Though Company Does Not Allow Incoming Connections

Headquarters
Lion7
192.168.1.161
Web Server
Port 80

Company Intranet

Internet

Firewall blocks incoming connections

GSW Business Tunnel

Channel Port 10082

Tunnel Port 22

Netgear N300
Router IP:
98.18.77.166

Home
Thomas (Home Computer)
192.168.1.124
GSW SSH Server

CASE: *Browse Company Intranet from Home*
Your company does not allow incoming connections. You can set up the GSW Business Tunnel from work so that you can browse the company intranet from home. The Web Server is on the same computer as the Business Tunnel.

Lion7 – GSW Business Tunnel Configuration

SSH Host and Authentication Settings

1. Set Address of SSH Server Host. In this case, the router is forwarded to the SSH Server Host, so we use the router IP Address

2. Set Authentication Requirements. In this case, Authentication consisted of: Logon name and a password.

Lion7 – Channel Configuration

1. Select Remote forwarding type.
2. Set the loopback address (127.0.0.1) as the local address since the web server is on the same computer as the Business Tunnel.
3. Choose port number 80 for the local port.
4. Fill in the remote address as the loopback address (127.0.0.1)
5. Choose available port number to assign for remote port. We selected 10082.

NetGear N300 Router – Port Forwarding Configuration

Your router may need to be configured to port forward to the home computer, Thomas.

| #	Service Name	External Start Port	External End Port	Internal Start Port	Internal End Port	Internal IP address
1						
	GSW SSH	22	22	22	22	192.168.1.124

Thomas – GSW SSH Server Configuration

Make sure remote port forwarding is enabled on the SSH Server. With the GSW SSH Server, the setting is in the registry, as shown below.

x64 system:
HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Georgia SoftWorks\GSW_SSHD\Parameters

x86 system:
HKEY_LOCAL_MACHINE\SOFTWARE\Georgia SoftWorks\GSW_SSHD\Parameters
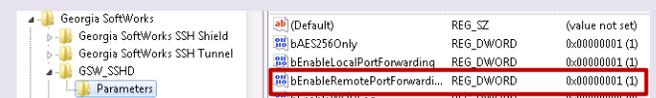
Thomas – Browser Configuration

Open browser and enter URL: http://127.0.0.1:10082
(from the channel configuration)and browse the company intranet