



VPN Tracker 365

VPN Configuration Guide

SonicWALL SSL

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www.vpntracker.com

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Introduction

My VPN Gateway Configuration Checklist

Throughout this guide, there are certain pieces of information that are needed later on for configuring VPN Tracker. This information is marked with red numbers to make it easier to reference it later. You can print out this form to help keep track of the various configuration settings of your VPN gateway.

1 WAN IP Address: _____ . _____ . _____ . _____ (or Host name _____)

2 Port number: _____

3 Domain: _____

4 Username: _____

5 Password: _____

Task One - SonicWALL Configuration

Gather configuration information

You'll need this information to set up VPN Tracker, Use the Configuration Checklist on the previous page to keep a note of this for the VPN Tracker setup later on in the guide.

You can ask your IT department or admin for the information for the VPN gateway.

VPN Gateway IP Address or Hostname

Find your SonicWALL's Public (WAN) IP address or host name **1**. You will find this under **"Network" > "Interfaces"**.

The screenshot displays the SonicWALL management console. At the top, there are navigation tabs: All Demos, Product Page, How to Buy, Support, and Contact. Below these are the main menu options: MONITOR, INVESTIGATE, and MANAGE. The current page is titled "Firewall Name: 2CB8ED100EDC" and "Mode: Non-Conf".

The left sidebar contains a navigation tree with the following categories:

- Updates
- Licenses
- Firmware & Backups
 - WXA Firmware
 - Restart
- Connectivity
 - VPN
 - SSL VPN
 - Access Points
 - 3G/4G/Modem
- Policies
 - Rules
 - Objects
- System Setup
 - Appliance
 - Users
 - Network** (highlighted with a red box)
 - Interfaces** (highlighted with a red box)
 - PoE Settings
 - PortShield Groups
 - Failover & Load Balancing
 - Zones
 - VLAN Translation
 - DNS
 - DNS Proxy
 - DNS Security

The main content area shows a table of interfaces:

Name	Zone	Group	IP Address	Subnet Mask	IP Assignment	Status	Enabled	Comment	Configure
X0	LAN		192.168.150.13	255.255.255.0	Static	1 Gbps Full Duplex	<input checked="" type="checkbox"/>	Default LAN	
X1	WAN (highlighted with a red box)	Default LB Group	Your IP address	255.255.255.0	Static	1 Gbps Full Duplex	<input checked="" type="checkbox"/>	Default WAN	
X2	X-Series								
X3	X-Series								
X4	WLAN								
X4:V224	WLAN Staff								
X4:V225	WLAN Guests								
X5	LAN								
X6	LAN								
X7	LAN								
X8	LAN								
X9	LAN								

Below the table, there is an "Add Interface" button and a "PORTS" button. The "Interface Traffic Statistics" section shows a table with columns for Name, Rx Unicast Pack..., and Rx Broadcast Pa... for interface X0.

The "Interface 'X1' Settings" dialog box is open, showing the configuration for the WAN interface:

- Zone: WAN
- IP Assignment: Static
- IP Address: **1 Your IP address**
- Subnet Mask: 255.255.255.0
- Default Gateway: 173.240.215.1
- DNS Server 1: 8.8.8.8
- DNS Server 2: 8.8.4.4
- DNS Server 3: 0.0.0.0
- Comment: Default WAN
- Management: HTTP HTTPS Ping SNMP SSH
- User Login: HTTP HTTPS
- Add rule to enable redirect from HTTP to HTTPS

Domain

Find the Port Number **2** and Domain **3** under “SSL VPN” > “Server Settings”.

Note

The Port Number is 443 by default, but sometimes it can be configured differently. In this case you must also change this setting in the VPN Tracker.



VPN

- SSL VPN
 - Server Settings
 - Client Settings
 - Portal Settings
 - Virtual Office
- Access Points
- 3G/4G/Modem
- Policies
- Rules
- Objects

SSL VPN Server Settings

2 SSL VPN Port: 443

Certificate Selection: Use Selfsigned Certificate

3 User Domain: LocalDomain

Enable Web Management over SSL VPN: Disabled

Enable SSH Management over SSL VPN: Disabled

Inactivity Timeout (minutes): 10

Login and Password

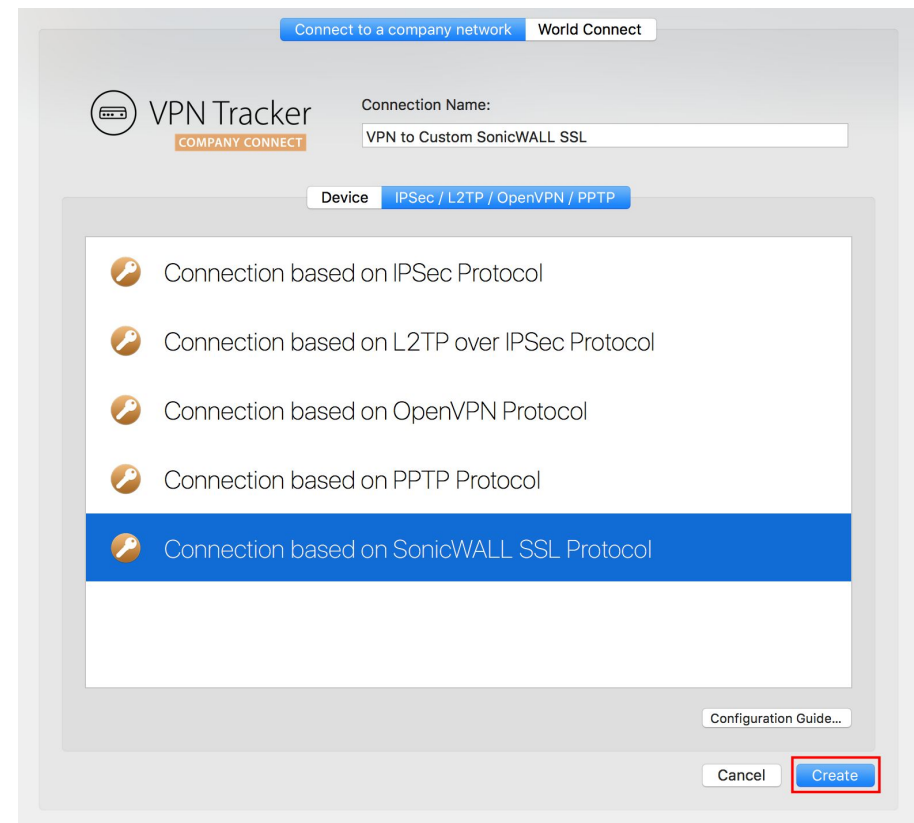
Create a login **4** and a password **5** for a user, write them down.

Task Two - Configuration in VPN Tracker

Once you have your VPN gateway set up, enter the settings in VPN Tracker. For your connection, use a custom device profile to have access to all settings.

Step One. Add a connection

- Open VPN Tracker 365.
- Click on the **+** in the bottom left corner of the app window and choose **“New Company Connection”**. Alternatively you can choose **“File > New> Company Connection...”** from the top menu bar.
- Select **“IPSec / L2TP / OpenVPN / PPTP”** tab
- Select **“Connection based on SonicWALL SSL Protocol”**
- Click **“Create”**



Step Two. Configure the VPN connection for your device

Go for the simplest possible configuration first. You can always move to a more sophisticated setup and advanced settings later.

- Go to the **“Basic”** tab.
- Next to the **“VPN Gateway”** enter your device’s IP address or Host Name **(1)**
- Enter the **“Port Number”** **(2)**. It is set as 443 by default, but in some cases you will need to change it (please see page 6).
- Enter the **“Domain”** **(3)**. Please note that the domain name is case-sensitive.
- Enter the Username and Password for the user **(4-5)**

Click **“Done”** to save your settings.

VPN to Custom SonicWALL SSL Done

Basic Advanced Actions Notes

Connection Name VPN to Custom SonicWALL SSL
Connection based on [Custom SonicWALL SSL](#)

[Configuration Guide](#)

1 **VPN Gateway** Host Name or IP Address ?
2 **Port Number** 443 ?

Network Configuration
Protocol SonicWALL SSL
3 **Domain** Domain ?

Authentication
4-5 **User** Username + Password Username and password not saved

DNS Use Remote DNS Server

Manage Team & Plans... Export Settings... Export...

Remote DNS Setup (Advanced)

This point is optional. VPN Tracker can use DNS servers on the remote network of the VPN to look up host names of resources on the remote network of the VPN.

Requirements

If you or your organization operate a DNS server on your SonicWALL device's network, VPN Tracker can use it to look up the host names of internal resources (e.g. for turning intranet.ny.example.com into the IP address 192.168.13.94). Remote DNS is entirely optional for Host to Network connections. You can always use IP addresses instead of host names, that's just less convenient.

DNS Server

To set up remote DNS, you may need to know the IP address(es) of the DNS server(s) that you want to use. You can get this from your administrator.

My DNS Server: _____

Domain

VPN Tracker can use the remote DNS server for all DNS lookups (All Domains) or just for some domains (Search Domains). If you want VPN Tracker to use the remote DNS servers only for some domains

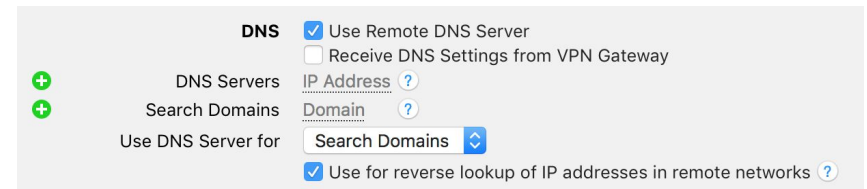
(e.g. everything ending in "ny.example.com"), write down these domains here:

Search Domains: _____

Setup in VPN Tracker

Remote DNS can be set up in VPN Tracker without making any changes to your device.

- Click on your VPN connection
- Click **"Configure"** and go to the "Basic" tab
- Check the box **"Use Remote DNS Server"**
- Now fill in your information from above for **"DNS Servers"** and **"Search Domains"** to configure for your network. Alternatively you can just check the box **"Receive DNS Settings from VPN Gateway"** to receive the information automatically.



Testing the VPN connection

In order to test your connection, you will need to connect from a different location.

For example, if you are setting up a VPN connection to your office, try it out at home, or from an Internet cafe, or go visit a friend.

Connect to your VPN

- Check first of all that your internet connection is working as it should be.
Use this link as a test: <https://www.vpntracker.com>
- Start the VPN Tracker 365 app.
- Click on the On/Off slider to turn on your connection.

IMPORTANT:

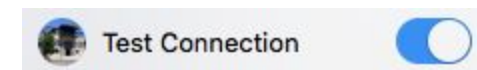
If you are using VPN Tracker for the first time with your current Internet connection, it will test your connection.

Wait for the test to complete.

- Depending on your setup, you will be prompted to enter your pre-shared key.
- To save time for the future, check the box “Store in Keychain” to save the password in your keychain so you are not asked for it again when connecting the next time.

Connected!

Connecting may take a couple of seconds. If the On/Off button turns blue that’s great – you’re connected! Now is a great time to take a look at the [VPN Tracker Manual](#). It shows you how to use your VPN and how to get the most out of it.



Troubleshooting

In case there's a problem connecting, a yellow warning triangle will show up.



Click the yellow warning triangle to be taken to the log.

The log will explain exactly what the problem is and give you some troubleshooting steps to try.

TIP: Press Cmd-L to open the log in a new window. That way, you can have the log side-by-side with your VPN configuration while making changes to troubleshoot a problem.

VPN Tracker Manual

The [VPN Tracker Manual](https://www.vpntracker.com/support) contains detailed troubleshooting advice. Answers to frequently asked questions (FAQs) can be found at: <https://www.vpntracker.com/support>

Technical Support

If you're stuck, the technical support team at equinix is here to help.

Contact us via <https://www.vpntracker.com/support>

Please include the following information with any request for support:

- A description of the problem and any troubleshooting steps that you have already taken.
- A VPN Tracker Technical Support Report (Log > Technical Support Report).
- The manufacturer, the exact device model and the firmware version running on it.
- Screenshots of what you have configured on your VPN gateway, in particular all VPN-related settings.
- Screenshots of the VPN settings on your device