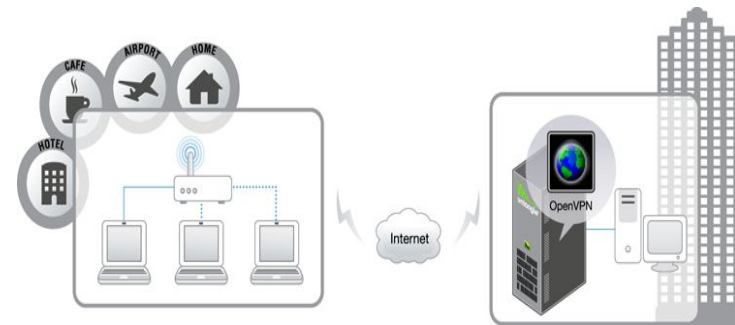


# Untangle and OpenVPN

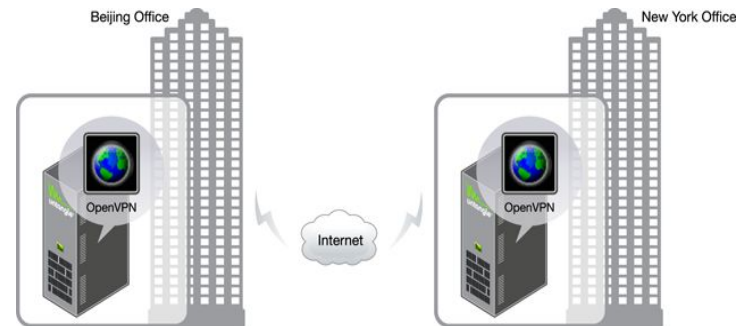


# What is OpenVPN?

- **Allows secure remote connection**
- **Based on SSL**
- **Uses UDP 1194**
- **Supports**
  - Site to Site (hardware to hardware)
  - Site to Client (software)
- **Supports multiple Client OS**
  - Windows XP through Win7
  - Mac OSX
  - Linux
  - And others



Site to Client



Site to Site

# Setting up the OpenVPN on your Untangle

- Click and install the OpenVPN application to the rack.
- Click the settings button.
- If this is the primary site, configure as the VPN Server.
  - Only time you would use the Configure as the VPN Client, if you are deploying Site to Site. Main site is the OpenVPN server side, and the remote site is the OpenVPN Client side.



The screenshot shows the OpenVPN configuration page in Untangle. The page title is "Default Rack > OpenVPN". There are two tabs: "Status" (selected) and "Settings". Under "Current Mode", the status is "Unconfigured: Use buttons below.". Under "Wizard", there are two options: "Configure as VPN Server" and "Configure as VPN Client".

**Status**

**Current Mode**

Status: Unconfigured: Use buttons below.

**Wizard**

Configure as VPN Server This configures OpenVPN so remote users and networks can connect and access exported hosts and networks.

Configure as VPN Client This configures OpenVPN so it connects to a remote OpenVPN Server and can access exported hosts and networks.

# OpenVPN Setup Wizard

- OpenVPN welcome page
- Please read through and click the next button on the bottom right corner.



The screenshot shows the 'OpenVPN Server Setup Wizard' interface. The title bar reads 'OpenVPN Server Setup Wizard'. The main content area has a heading 'Welcome to the OpenVPN Setup Wizard!' followed by the text 'This wizard will help guide you through your initial setup and configuration of OpenVPN as a VPN Routing Server.' Below this is a red warning message: 'Warning: Completing this wizard will overwrite any previous OpenVPN settings with new settings. All previous settings will be lost!'. On the left side, there is a vertical navigation pane with a 'Welcome' section highlighted, and three steps listed: 'Step 1 - Certificate', 'Step 2 - Exports', and 'Finished!'.

# OpenVPN Setup Wizard Step 1

- Please fill in the required fields and click next.

OpenVPN Server Setup Wizard

## Step 1 - Certificate

Please specify some information about your location. This information will be used to generate a secure digital certificate.  
**This information is required.**

Organization:	<input type="text" value="Untangle"/>
Country:	<input type="text" value="United States"/>
State/Province:	<input type="text" value="CA"/>
City:	<input type="text" value="San Mateo"/>

-----

Welcome

① Step 1 - Certificate

② Step 2 - Exports

Finished!

# OpenVPN Exports

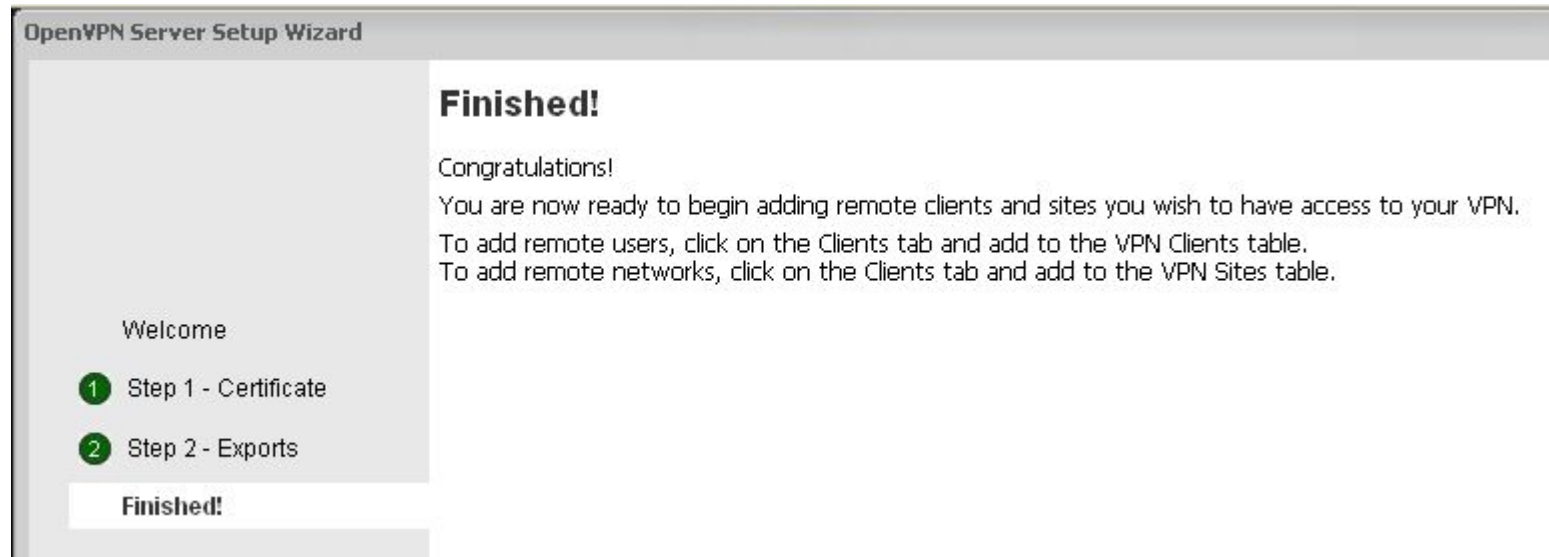
- Exports are what the VPN users are allow to access.
- If you have multiple sites, you would need to export the other sites.
- You can export the entire subnet or you can export a single IP via changing the Netmask to 255.255.255.255
  - Example: You want to allow your entire internal network for your VPN users, you can use the 255.255.255.0 Netmask.
    - In this particular example this would mean 192.168.1.1-192.168.1.255
  - Example 2: You only want the VPN users to access 192.168.1.15
    - You would need to change the IP field to 192.168.1.15 and the Netmask to 255.255.255.255



Enabled	Host/network Name	IP Address	Netmask	Edit	Delete
<input checked="" type="checkbox"/>	Remote-Office	192.168.1.0	255.255.255.0		
<input checked="" type="checkbox"/>	internal network	192.168.254.1	255.255.255.0		

# Finishing up the OpenVPN Wizard

- Last page of the OpenVPN Wizard.



# Adding the VPN sites

- There are two sections for the VPN clients.
  - Top section is for the software clients.
  - Bottom section is for the site to site Clients (HW to HW)
  - Please input the internal IP address of the remote site's Untangle

Edit

Enabled:

Site name: Remote-Location-A

Address pool: default

Network address: 192.168.1.1 (Internal address of remote site)

Network mask: 255.255.255.0

---

VPN Sites

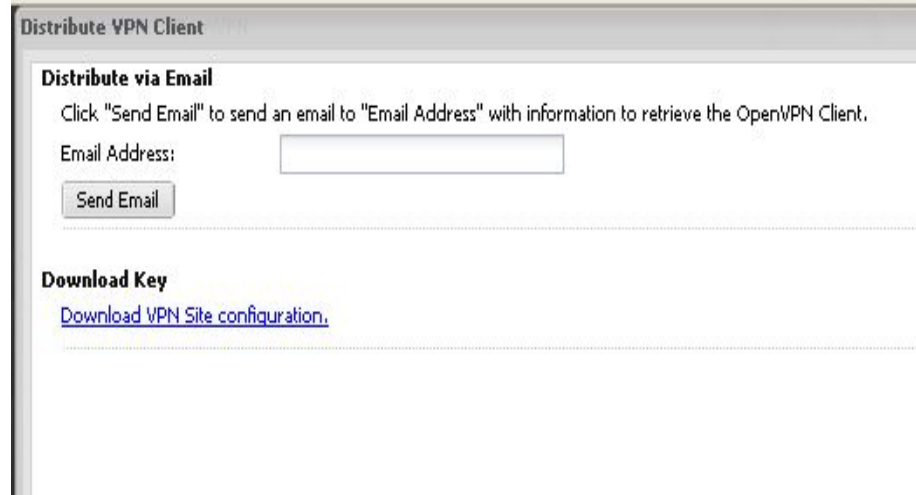
[Add](#)

Enabled	Site Name
<input checked="" type="checkbox"/>	Remote-Location-A



# Distributing the OpenVPN Client

- **Two ways to get the OpenVPN site to site configuration software**
  - Email
  - Download directly from the Untangle (recommended)



The screenshot shows a web interface titled "Distribute VPN Client". It features two main sections: "Distribute via Email" and "Download Key".

**Distribute via Email**  
Click "Send Email" to send an email to "Email Address" with information to retrieve the OpenVPN Client.  
Email Address:

**Download Key**  
[Download VPN Site configuration.](#)

# Installing the OpenVPN config file to the remote site

- Install the OpenVPN App to the remote Untangle.
- Click the settings and configure as the VPN client. Only one Untangle can be the OpenVPN server.
- Go through the wizard and upload the configuration file you have downloaded.
- Finish out the wizard, please make sure that both Untangle's have the OpenVPN application turned on (green).
- **Reboot** both Untangle servers.

The image shows two screenshots of the OpenVPN configuration interface. The top screenshot is titled "Default Rack > OpenVPN" and has a "Status" tab selected. It shows "Current Mode" with a status of "Unconfigured: Use buttons below." Under the "Wizard" section, there are two buttons: "Configure as VPN Server" (with a gear icon) and "Configure as VPN Client" (with a gear icon). The "Configure as VPN Client" button is highlighted. The bottom screenshot is titled "OpenVPN Client Setup Wizard" and shows a "Download Configuration" section. It asks to specify where the VPN Client configuration should come from. There are two radio buttons: "Download from Server" (unselected) and "Upload Configuration" (selected). Below "Download from Server" are fields for "Server IP Address:" and "Password:". Below "Upload Configuration" is a "Configuration File:" field with a text input containing "C:\Documents and Se" and a "Browse..." button.

## Untangle Contact Info:

- **Toll Free (VARs only)** 877.345.6382
- **General Public** 866.233.2296
- **Fax** 650.292.2246
- **Email** [support@untangle.com](mailto:support@untangle.com)
- **Wiki (howto)** <http://wiki.untangle.com>
- **Documentation** <http://untangle.com/docs>
- **Forums** <http://forums.untangle.com>