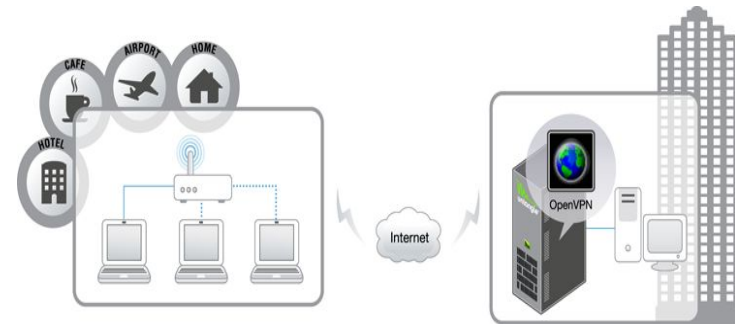


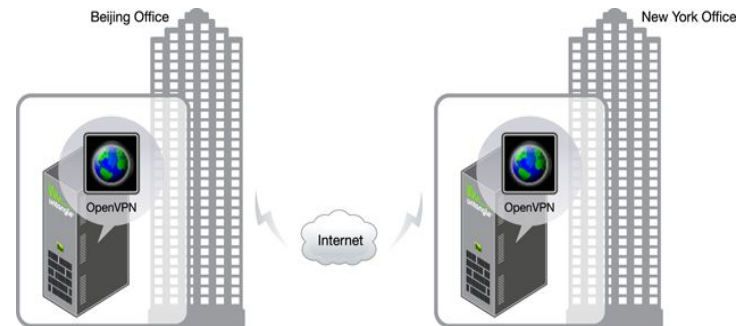
# Untangle and OpenVPN

# 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 'Default Rack > OpenVPN' configuration page. It features a 'Status' tab and a 'Current Mode' section. The status is 'Unconfigured: Use buttons below.' Below this is a 'Wizard' section with two options: 'Configure as VPN Server' and 'Configure as VPN Client'. The 'Configure as VPN Server' option is selected, indicated by a gear icon. The description for the server option states: 'This configures OpenVPN so remote users and networks can connect and access exported hosts and networks.' The description for the client option states: 'This configures OpenVPN so it connects to a remote OpenVPN Server and can access exported hosts and networks.'

Default Rack > OpenVPN

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.



# 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

Status

Clients

Exported Hosts and Networks

Advanced

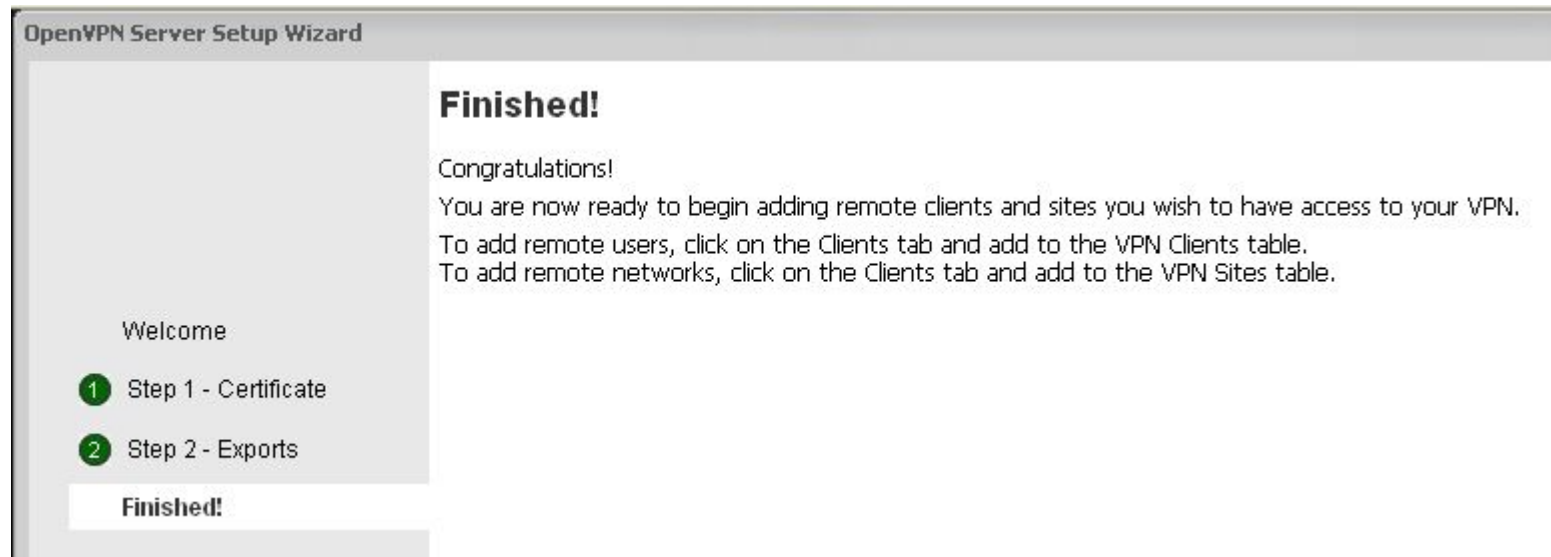
Event Log

Add

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

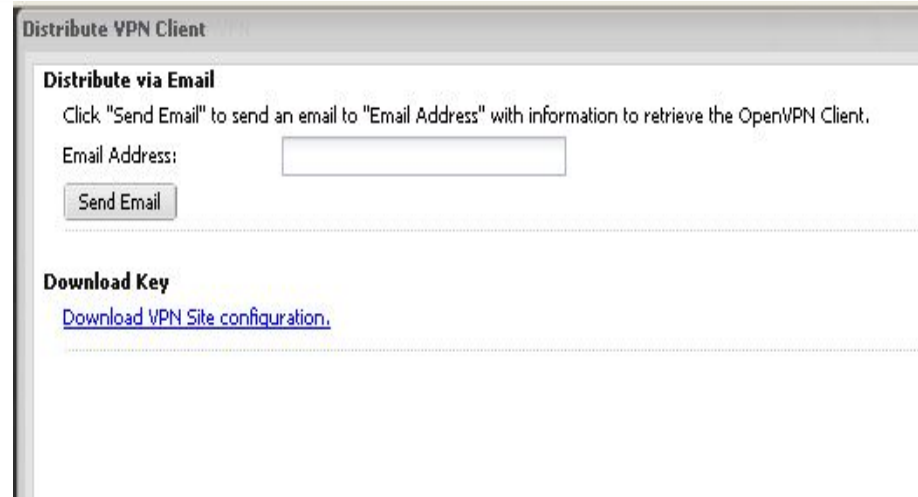
➕ Add

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 contains 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 screenshot shows the 'Default Rack > OpenVPN' configuration page. It has a 'Status' tab selected, showing 'Current Mode' as 'Unconfigured: Use buttons below.' Below this is a 'Wizard' section with two buttons: 'Configure as VPN Server' and 'Configure as VPN Client'. The 'Configure as VPN Client' button is highlighted. To the right of the buttons are descriptive text blocks for each mode.

Below the main configuration area is the 'OpenVPN Client Setup Wizard'. It has a sidebar with steps: 'Welcome', '1 Install Configuration' (selected), and 'Finished!'. The main area is titled 'Download Configuration' and asks 'Please specify where your VPN Client configuration should come from.' There are two radio buttons: 'Download from Server' and 'Upload Configuration' (selected). Under 'Download from Server' are fields for 'Server IP Address' and 'Password'. Under 'Upload Configuration' is a 'Configuration File' field with a text box 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>