



# VPN Tracker for Mac OS X



**How-to:**  
**Interoperability**  
**With**  
**Asanté FriendlyNET VR2004**  
**VPN Routers**

Rev. 1.0

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# 1. Introduction

This document describes how VPN Tracker can be used to establish a secure connection between a Macintosh running Mac OS X and Asanté FriendlyNET VR2004 appliances.

The Gateway is configured as a router connecting a company LAN to the Internet.

This paper is only a supplement to, not a replacement for, the instructions that have been included with your Asanté FriendlyNET VR2004 appliance. Please be sure to read those instructions and understand them before starting.

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# 2. Prerequisites

Please make sure, that you use a recent Asanté FriendlyNET VR2004 firmware version.

On the Mac side you need one VPN Tracker Personal license for each Mac connecting to the Asanté FriendlyNET VR2004. VPN Tracker is compatible with Mac OS X 10.2/10.3.

### 3. Connecting a VPN Tracker host to a Asanté Router

In this example the Mac running VPN Tracker is directly connected to the Internet via a dialup or PPP connection.<sup>1</sup>

The Asanté router is configured in NAT mode and has the static WAN IP address 169.1.2.3 and the private LAN IP address 192.168.1.1. The Stations in the LAN behind the VPN Gateway use 192.168.1.1 as their default gateway and should have a working Internet connection.

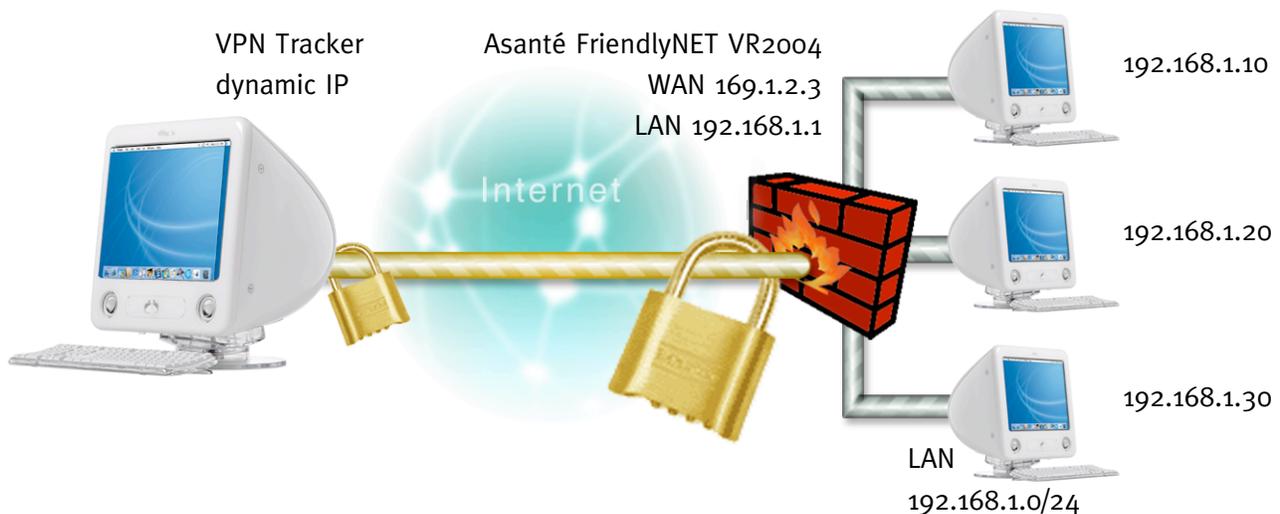


Figure 1: VPN Tracker – Asanté FriendlyNET VR2004 connection diagram

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<sup>1</sup> Please note that the connection via a router, which uses Network Address Translation (NAT), only works if the NAT router supports „IPSEC passthrough“. Please contact your router’s manufacturer for details.

### 3. Connecting a VPN Tracker host to a Asanté Router

#### 3.1 Asanté FriendlyNET VR2004 Configuration

Please go to “Setup Wizard → VPN Settings” and create a new connection. Enter an arbitrary “Connection Name” and your “PreShared Key”.

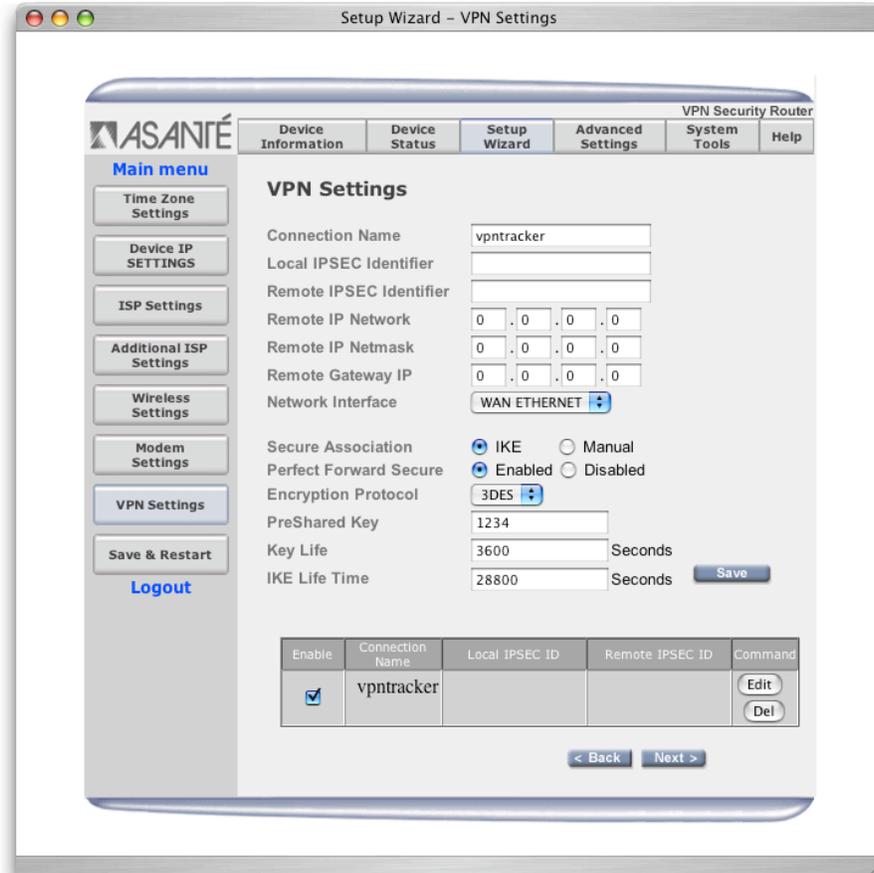


Figure 2: Asanté - VPN Settings

Save your settings and restart the Asanté FriendlyNET VR2004 router.

#### 3.2 VPN Tracker Configuration

##### Step 1

Add a new connection with the following options: Choose „Asante“ as the Connection Type, „Host to Network“ as Topology, then type in the remote endpoint (169.1.2.3) and the remote network (192.168.1.0/24).

The screenshot shows the 'VPN Tracker - Main Window' configuration dialog. It is divided into three sections: General, Networking, and Authentication. In the General section, the Name is 'Asanté', Connection Type is 'Asante', and the 'Initiate connection' checkbox is checked. In the Networking section, Topology is 'Host to Network', Local Endpoint is 'Default Interface', Remote Endpoint is '169.1.2.3', Local Host is empty with 'optional' text, and Remote Network is '192.168.1.0 / 24'. In the Authentication section, 'Pre-shared key' is selected. At the bottom, there is a lock icon and the text 'Click the lock to prevent further changes.', along with 'Cancel' and 'Save' buttons.

Figure 3: VPN Tracker - Main Window

#### Step 2

Select as “Authentication” method „Pre-shared key“ and click “Edit...”. Please type in the Pre-shared key you typed in chapter 3.1.



Figure 4: VPN Tracker - PSK dialog

#### Step 3

Save the connection and Click on „Start IPsec“ in the VPN Tracker main window.

You’re done. After 10-20 seconds the red status indicator for the connection should change to green, which means you’re securely connected to the Asanté FriendlyNET VR2004. After IPsec has been started, you may quit VPN Tracker. The IPsec service will keep running.

Now to test your connection simply ping a host in the Asanté FriendlyNET VR2004 network from the dialed-in Mac in the “Terminal” utility:

```
ping 192.168.1.10
```

#### ❖ Debugging

If the status indicator does not change to green please have a look at the log file on both sides. You can define the amount of information available in the log file in the VPN Tracker preferences.