



VPN Tracker for Mac OS X



How-to:
Interoperability with
Astaro
Internet Security Firewalls

Rev. 1.0

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1. Introduction

This document describes how VPN Tracker can be used to establish a connection between a Macintosh running Mac OS X and an Astaro Internet Security firewall.

The Astaro firewall 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 Astaro. Please be sure to read those instructions and understand them before starting.

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2. Prerequisites

First you have to make sure that your Astaro has VPN support built in. Please refer to your Astaro manual for details.

First you have to make sure to use a recent Astaro firewall version. The latest release for your Astaro firewall can be obtained from

<http://www.astaro.com/>

For this document, software version 6.001 has been used.

When using Pre-shared key authentication you need one VPN Tracker Personal Edition license for each Mac connecting to the Astaro.

We recommend one VPN Tracker Professional Edition for the administrator's Mac in order to export configuration files to the clients.

VPN Tracker is compatible with Mac OS X 10.2.5+, 10.3 and 10.4.

3. Connecting a VPN Tracker host to a Astaro

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

The Astaro firewall 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 Astaro use 192.168.1.1 as their default gateway and should have a working Internet connection.

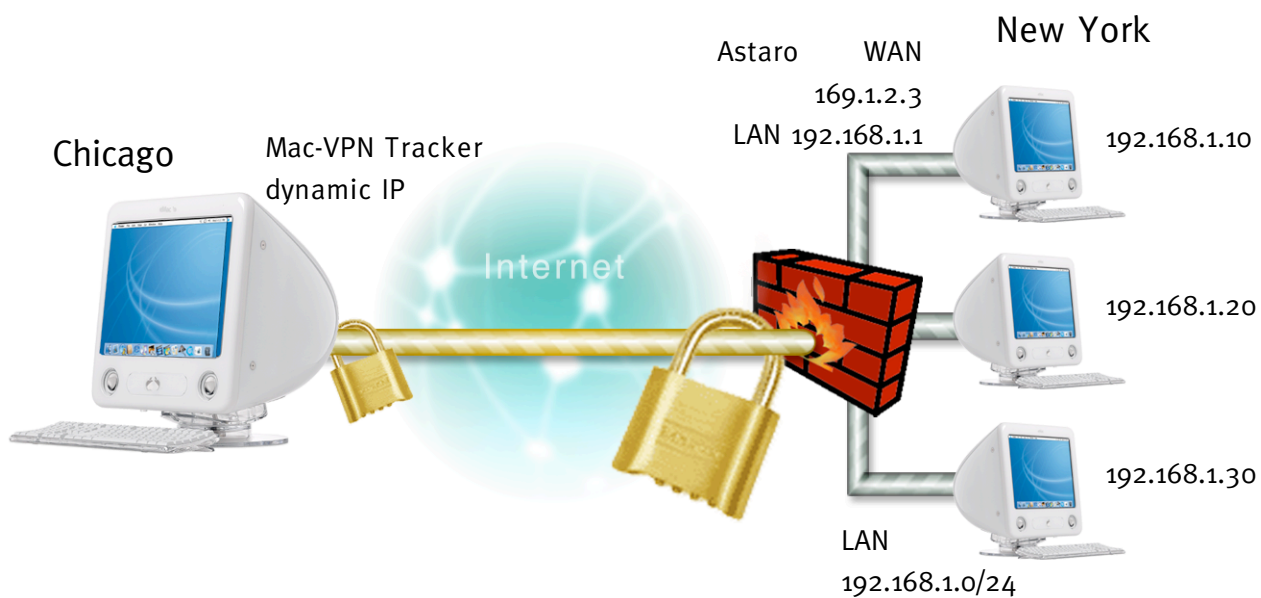


Figure 1: VPN Tracker – Astaro connection diagram

3.1 Astaro Configuration

The pre-defined VPN Tracker connection type has been created using the default settings for your Astaro firewall. If you change any of the settings on the Astaro, you will eventually have to adjust the connection type in VPN Tracker.

Step 1

Create a Pre-shared key for the VPN Tracker client:

- Name: an arbitrary name (e.g. **vpntracker**)
- Key Type: **PSK**
- Preshared Key: your pre shared key (e.g. **secretkey**)

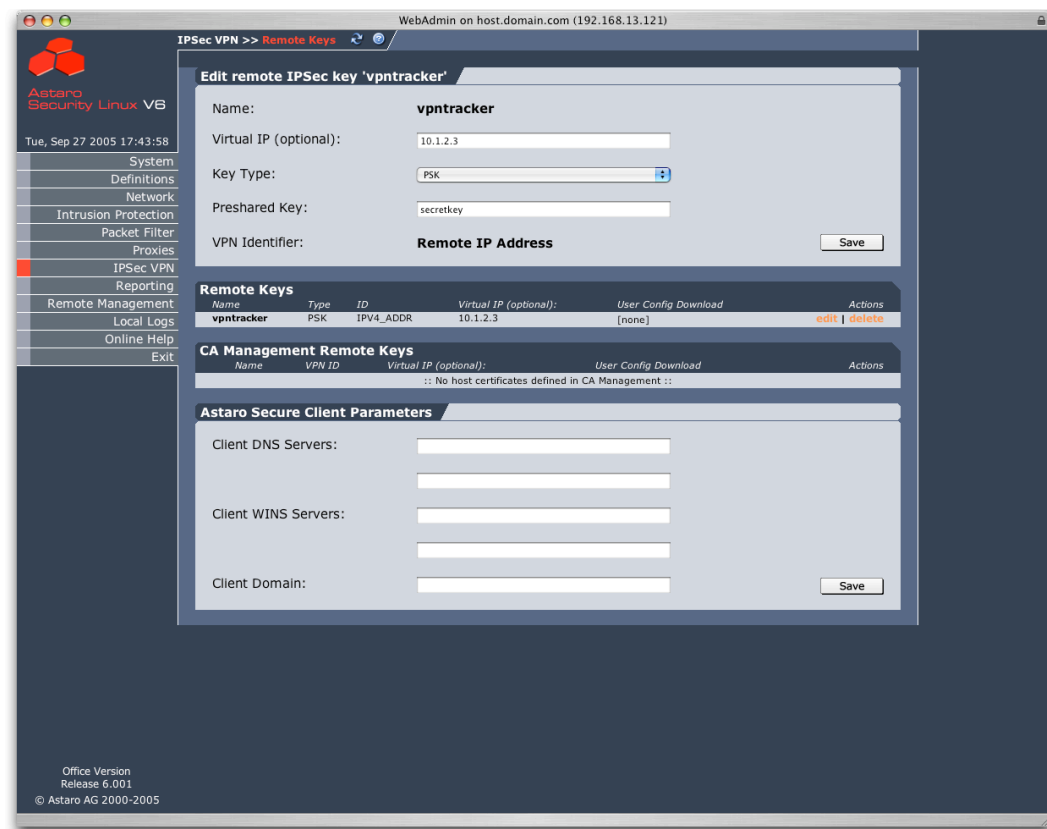


Figure 2: Astaro - Remote Keys

3. Connecting a VPN Tracker host to a Astaro

Step 2

Create a new VPN connection:

- Name: an arbitrary name for the connection (e.g. **vpntracker**)
- Type: **Road warrior**
- IPSec Policy: **3DES**
- Local Endpoint: WAN IP address of the Astaro firewall
- Local Subnet: **Internal (Network)**
- L2TP Encapsulation: **Off**
- Keys: add the previously created pre-shared key to the list (e.g. **PSK: vpntracker**)

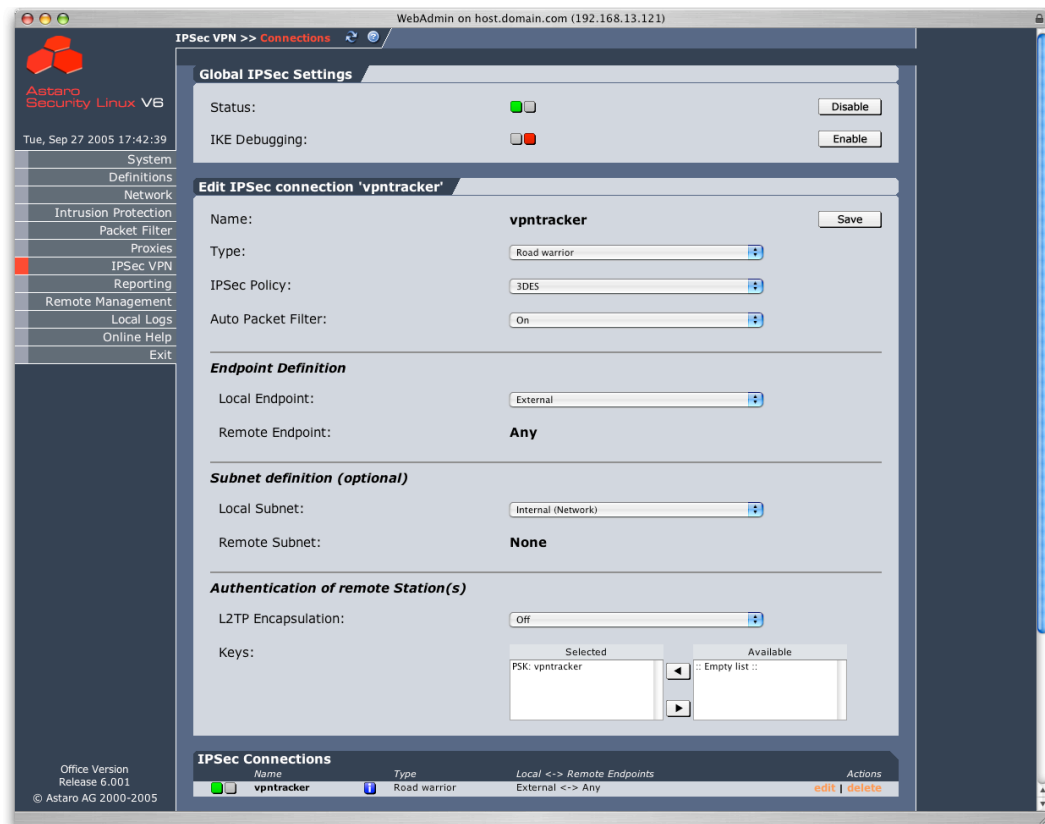


Figure 3: Astaro - VPN Connections

Please note: If you're using a different IPsec policy than 3DES, then please make sure to adjust the according settings in the Astaro connection type in VPN Tracker.

❖ Multiple VPN Tracker Clients

Repeat step 1, using a different "Virtual IP".

3.2 VPN Tracker Configuration

Step 1

Add a new connection with the following options:

- Vendor: **Astaro**
- Model: **Astaro Security Linux**

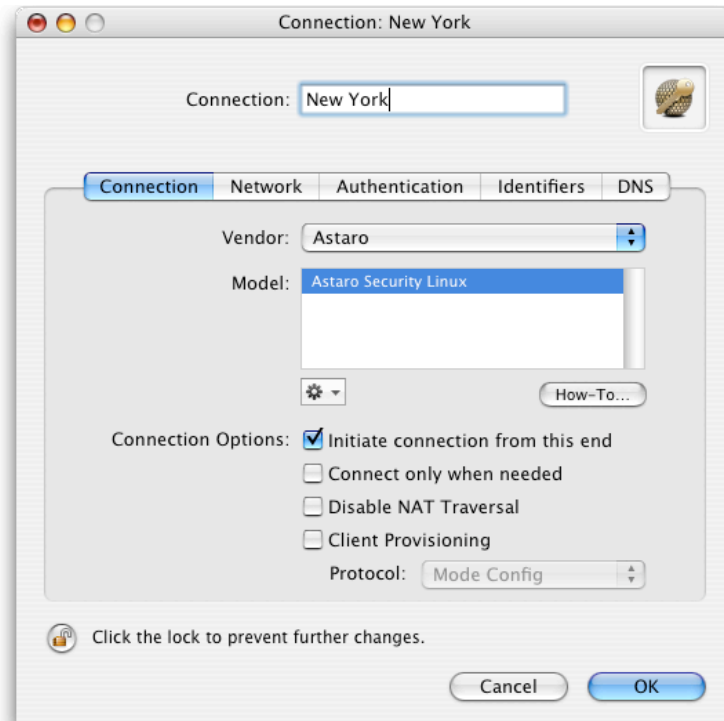


Figure 4: VPN Tracker - Connection settings

Step 2

Change your Network Settings:

- VPN Server Address: public IP address of your VPN Gateway (e.g. **169.1.2.3**)
- Local Address: the virtual IP address you've entered in your Astaro configuration in step 1 (e.g. **10.1.2.3**).
- Remote Network/Mask: network address and netmask of the remote network (eg. **192.168.1.0/255.255.255.0**).

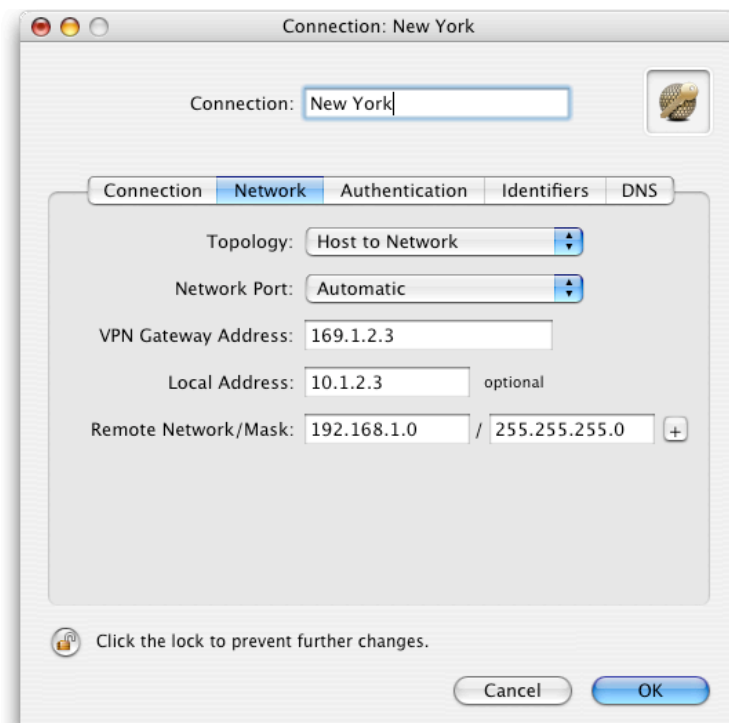


Figure 5: VPN Tracker - Network settings

Please note: In order to access multiple remote networks simultaneously, just add them by pressing the Plus-button.¹

¹ For this step VPN Tracker Professional Edition is needed.

3. Connecting a VPN Tracker host to a Astaro

Step 3

Change your Authentication Settings:

Pre-shared key: the same Pre-shared key as in the Astaro configuration.



Figure 6: VPN Tracker - Authentication settings

3. Connecting a VPN Tracker host to a Astaro

Step 4

Identifier Settings:

- Local Identifier: Local endpoint IP address.
- Remote Identifier: Remote endpoint IP address.



Figure 7: VPN Tracker - Identifier settings

Step 5

Save the connection and Click „Start VPN“ 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 Astaro. 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 Astaro network from the dialed-in Mac in the "Terminal" utility:

```
ping 192.168.1.10
```