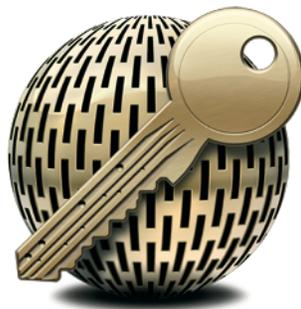




# VPN Tracker for Mac OS X



**How-to:**  
**Interoperability with**  
**Cisco Concentrator**  
**Internet Security Appliances**

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 a Cisco VPN Concentrator.

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

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## 2. Prerequisites

First you have to make sure to use a recent Cisco Concentrator firmware version. The latest firmware release for your Cisco VPN Concentrator can be obtained from

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

For a successful VPN connection to a Cisco Concentrator, you'll need to obtain following details:

- the public WAN IP address of the Cisco Concentrator appliance
- the username of the user group you are assigned to
- the password of this user group

You can find some of this information in the .pcf configuration file provided with the Cisco VPN client:

```
Host=169.1.2.3
GroupName=groupname
GroupPwd=grouppassword
```

If the "GroupPwd" entry is empty, then the grouppassword is saved encrypted in this file, this means you'll need to obtain this information from another resource (e.g. from your System Administrator).

You need one VPN Tracker Personal Edition license for each Mac connecting to the Cisco Concentrator.

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.

### 3. Connecting a VPN Tracker host to a Cisco Concentrator

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

The Cisco Concentrator has the static WAN IP address 169.1.2.3 and the private LAN IP address 192.168.1.1.

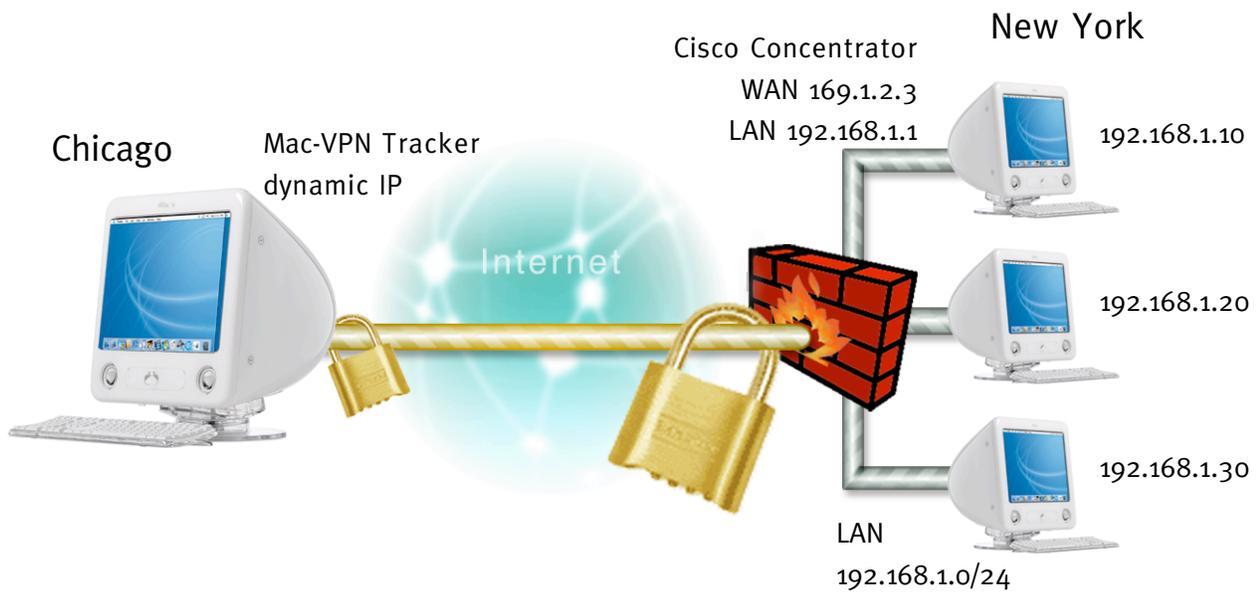


Figure 1: VPN Tracker – Cisco Concentrator connection diagram

### 3. Connecting a VPN Tracker host to a Cisco Concentrator

#### 3.1 VPN Tracker Configuration

##### Step 1

Add a new connection with the following options:

- Vendor: „Cisco“
- Model: your VPN device

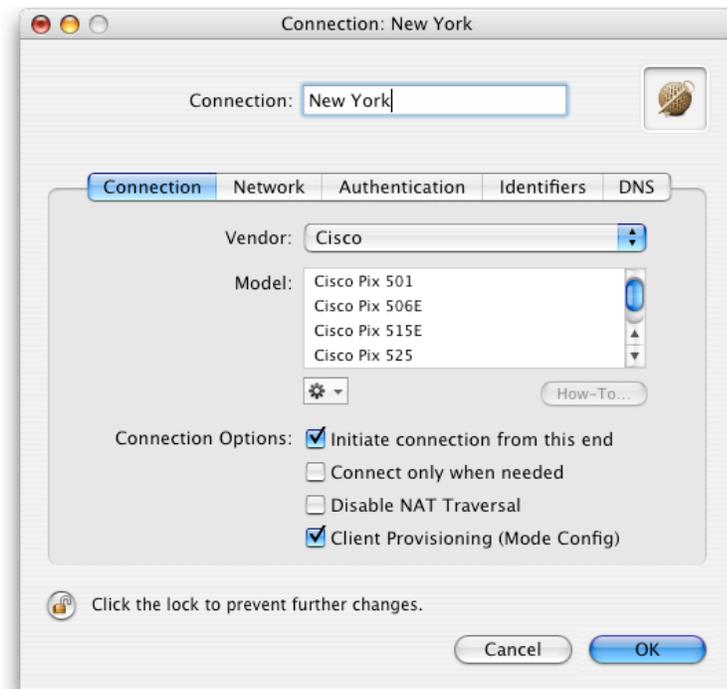
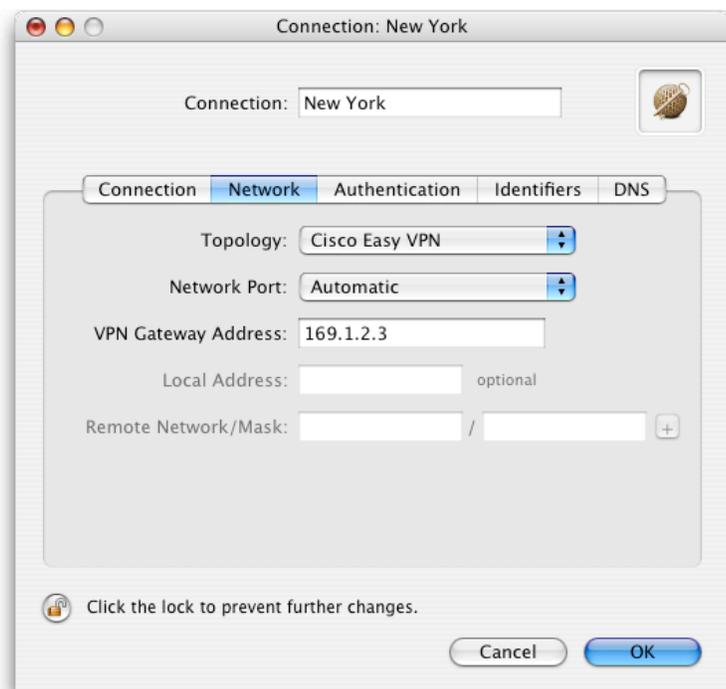


Figure 2: VPN Tracker - Connection settings

### 3. Connecting a VPN Tracker host to a Cisco Concentrator

**Step 2** Change your Network Settings:

- Topology: **Cisco Easy VPN**
- VPN Server Address: public IP address of your VPN Gateway (e.g. **169.1.2.3**)



*Figure 3: VPN Tracker - Network settings*

### 3. Connecting a VPN Tracker host to a Cisco Concentrator

#### Step 3

Change your Authentication Settings:

- Pre-shared key: the group password of your user group.
- Enable Extended Authentication: **checked**



Figure 4: VPN Tracker - Authentication settings

### 3. Connecting a VPN Tracker host to a Cisco Concentrator

#### Step 4

Identifier Settings:

- Local Identifier: the group name.
- Identifier type: **Key ID**.



Figure 5: VPN Tracker - Identifiers settings

#### Step 5

Save the connection and Click „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 Cisco VPN Concentrator. 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 Cisco VPN Concentrator network from the dialed-in Mac in the "Terminal" utility:

```
ping 192.168.1.10
```