



RSA SecurID Ready Implementation Guide

Last Modified: September 9, 2004

1. Partner Information

Partner Name	Cisco Systems, Inc.
Web Site	www.cisco.com
Product Name	Cisco Secure Access Control System (ACS)
Version & Platform	V3.3.1 for Windows
Product Description	<p>Cisco Secure Access Control Server (ACS) for Windows provides a centralized identity networking solution and simplified user management experience across all Cisco devices and security management applications. Cisco Secure ACS helps to ensure enforcement of assigned policies by allowing network administrators to control:</p> <p>Cisco Secure ACS is a main pillar of Cisco trust and identity networking security solutions. It extends access security by combining authentication, user and administrator access, and policy control from a centralized identity networking framework, allowing greater flexibility and mobility, increased security, and user productivity gains. With Cisco Secure ACS, you can manage and administer user access for Cisco IOS® routers, VPNs, firewalls, dialup and DSL connections, cable access solutions, storage, content, voice over IP (VoIP), Cisco wireless solutions, and Cisco Catalyst® switches using IEEE 802.1x access control.</p>
Product Category	RADIUS Servers



2. Contact Information

	Sales Contact	Support Contact
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Phone	1 800 553 6387	1 800 553 2447
Web	www.cisco.com	www.cisco.com/public/support/tac/home.shtml

3. Solution Summary

Feature	Details
Authentication Methods Supported	Native RSA SecurID
RSA Authentication Agent Library Version	Version #5.0.2 [527]
RSA Authentication Manager Name Locking	Yes
RSA Authentication Manager Replica Support	Full Replica Support
Secondary RADIUS Server Support	Yes/No (if yes list the number supported)
Location of Node Secret on Client	In Registry
RSA Authentication Agent Host Type	Net OS
RSA SecurID User Specification	Designated users, all users, RSA SecurID as default.
Support for Download of Offline Day Files	No
RSA SecurID Protection of Partner Product Administrators	No
RSA Software Token API Integration	No

4. Product Requirements

- **Hardware requirements**

Component Name: Cisco Secure ACS	
CPU make/speed required	550 MHZ or faster
Memory	256 MB of RAM
HD space	250 MB of free disk space. If you are running your database on the same computer, more disk space is required.
Firmware level	

- **Software requirements**

Component Name: Cisco Secure ACS	
Operating System	Version (Patch-level)
Windows	2000 Server SP4
Windows	2000 Advanced Server SP4
Windows	2003 Enterprise
Windows	2003 Standard Edition

Component Name: Cisco Secure ACS	
Web Browser	Version (Patch-level)
Microsoft Internet Explorer	6.0 SP2
	Sun Java Plug-in 1.4.2-04 or Microsoft Java Virtual Machine
Netscape Communicator	7.1
	Sun Java Plug-in 1.4.2-04

Note: Both Java and JavaScript must be enabled in browsers used to administer Cisco Secure ACS

5. RSA Authentication Manager configuration

Perform the following steps to set up the **Cisco Secure ACS** as an Agent Host within the RSA Authentication Manager's database.

- On the RSA Authentication Manager computer, go to **Start > Programs > RSA ACE Server**, and then **Database Administration - Host Mode**.
1. On the **Agent Host** menu, choose **Add Agent Host....**

The screenshot shows the 'Add Agent Host' dialog box with the following configuration:

- Name: CiscoACS
- Network address: 10.100.10.5
- Site: (empty) [Select]
- Agent type: Net OS Agent (selected from a dropdown menu)
- Encryption Type: SDI DES
- Node Secret Created
- Open to All Locally Known Users
- Search Other Realms for Unknown Users
- Requires Name Lock
- Enable Offline Authentication
- Enable Windows Password Integration
- Create Verifiable Authentications

Buttons at the bottom include: Group Activations..., User Activations..., Delete Agent Host, Assign/Change Encryption Key..., Create Node Secret File..., OK, Cancel, and Help.

- In **Name**, type the hostname of the Cisco Secure ACS.
- In **Network address**, type the IP address of the Cisco Secure ACS.
- For **Agent Type**, select **Net OS Agent**.
- Under **Secondary Nodes**, define all hostname/IP addresses that resolve to the **Cisco Secure ACS**. (IF NEEDED)

Note: It is important that all hostname and IP addresses resolve to each other. Please reference the RSA Authentication Manager documentation for detailed information on this and other configuration parameters within this screen. Subsequently, you can also select the 'Help' button at the bottom of the screen.

6. Partner RSA Authentication Agent configuration

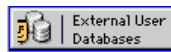
This section provides instructions for integrating the partners' product with RSA SecurID. This document is not intended to suggest optimum installations or configurations. It is assumed that the reader has both working knowledge of the two products to perform the tasks outlined in this section and access to the documentation for both in order to install the required software components. All products/components need to be installed and working prior to this integration. Perform the necessary tests to confirm that this is true before proceeding.

- **Activating SecurID authentication**

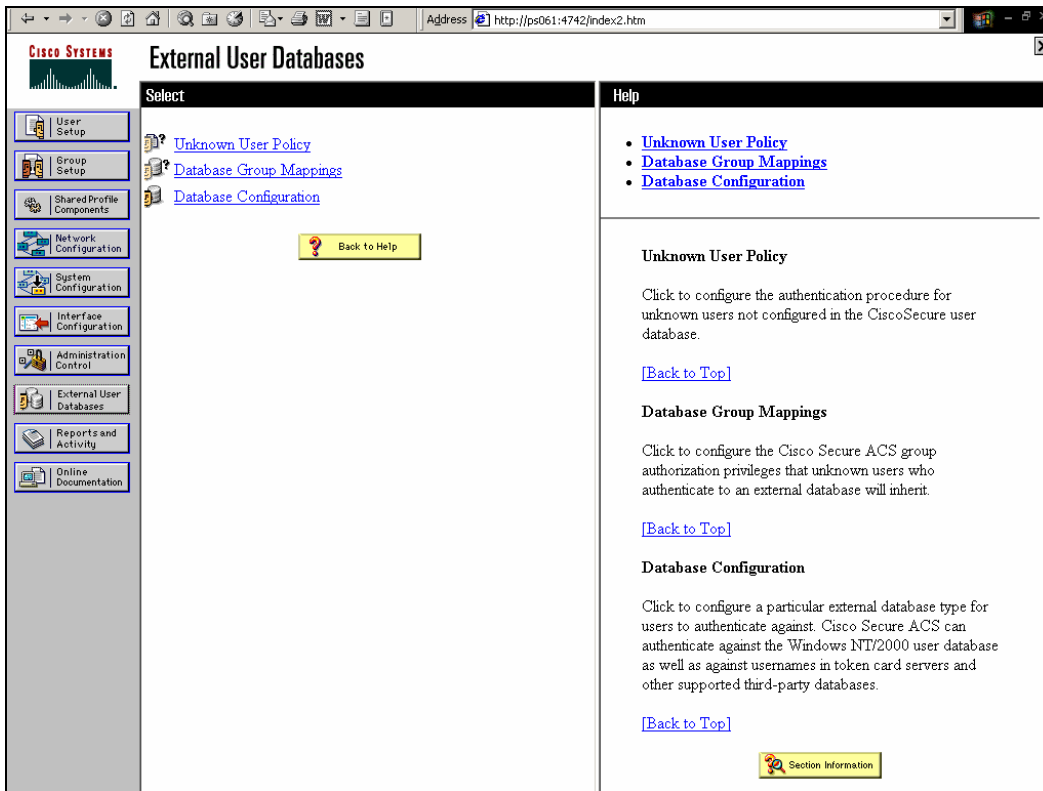
Cisco Secure ACS supports SecurID authentication of users. To configure Cisco Secure ACS 3.3.1 to authenticate users with Authentication Manager 6.0, follow these steps:

1. Install the Authentication Agent 5.5 for Windows on the same system as the Cisco Secure ACS server. Verify connectivity by running the Test Authentication function of the Authentication Agent.

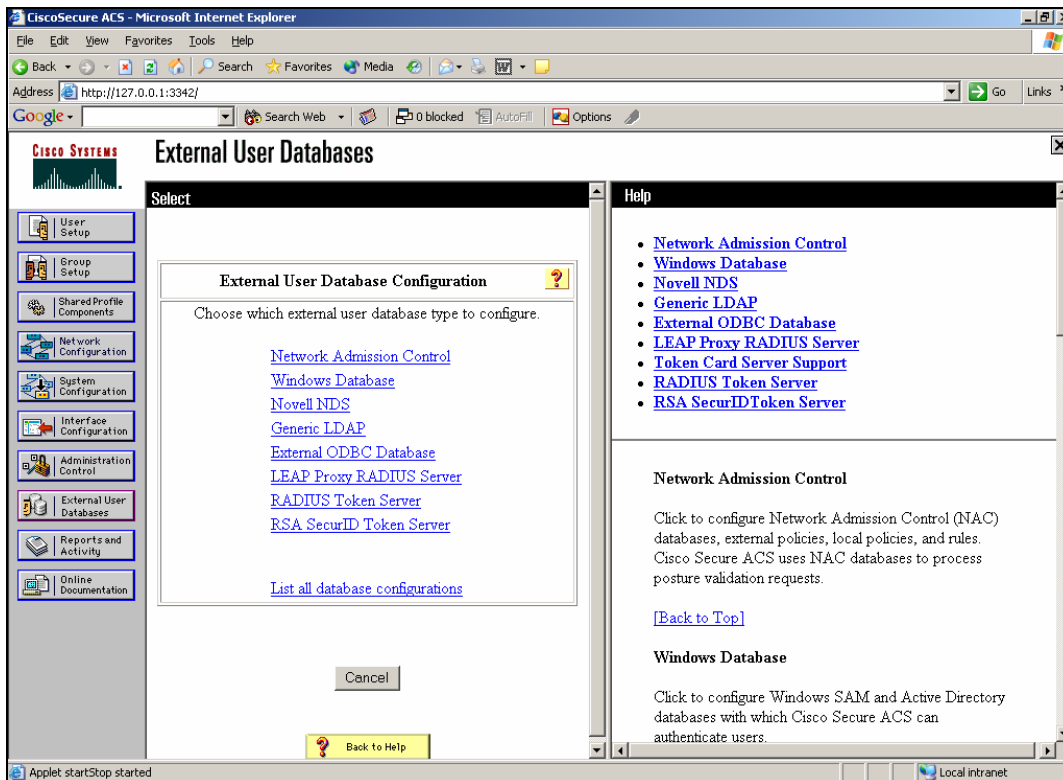
2. In the navigation bar, click,



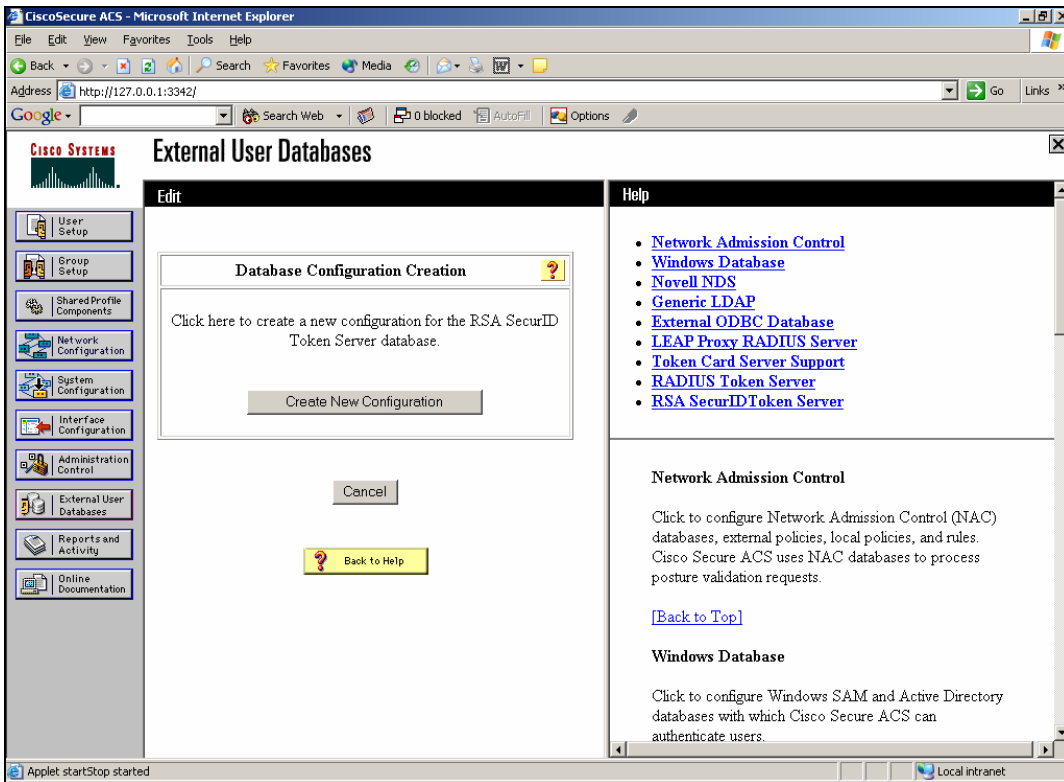
3. Click Database Configuration.



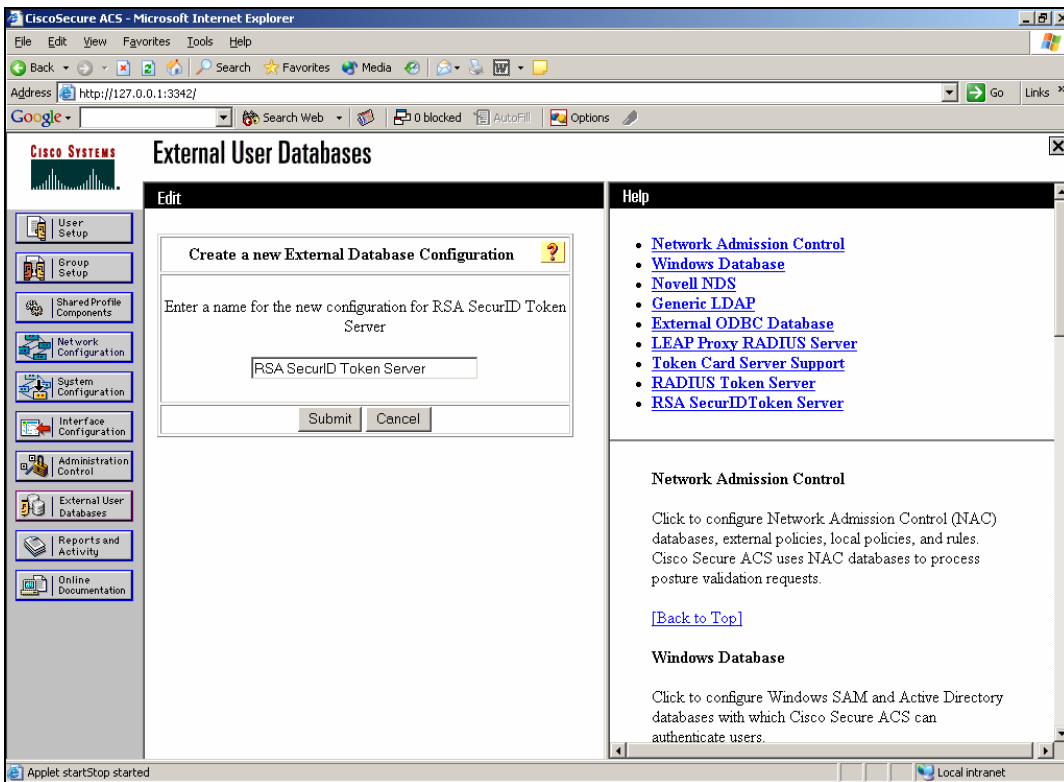
4. Click RSA SecurID Token Server.



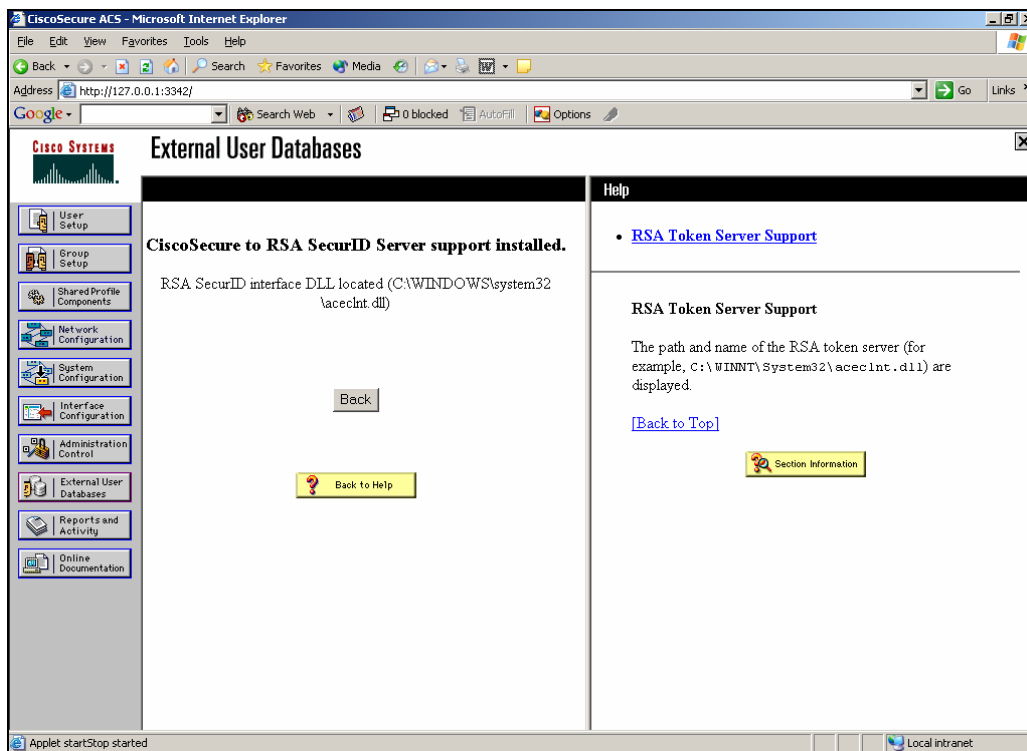
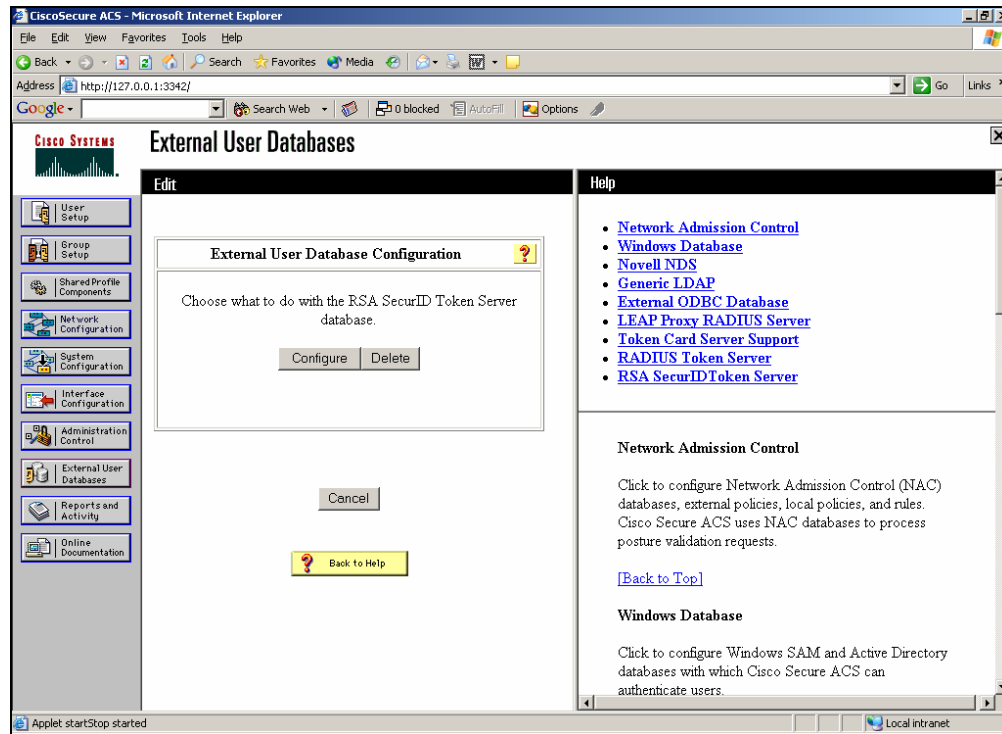
5. Click **Create New Configuration**.



6. Enter a name, then click **Submit**.



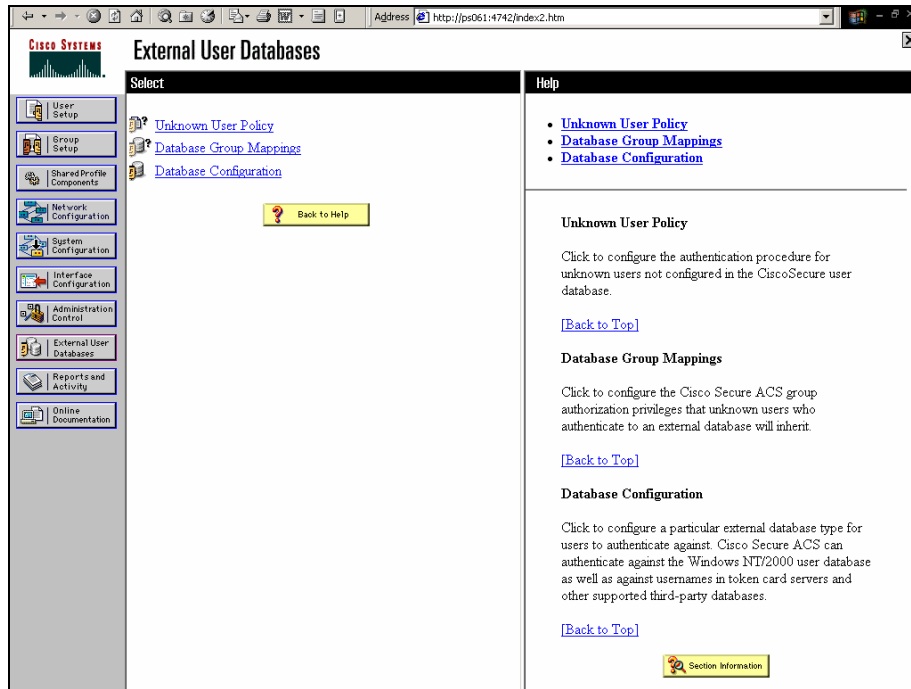
7. Click Configure.



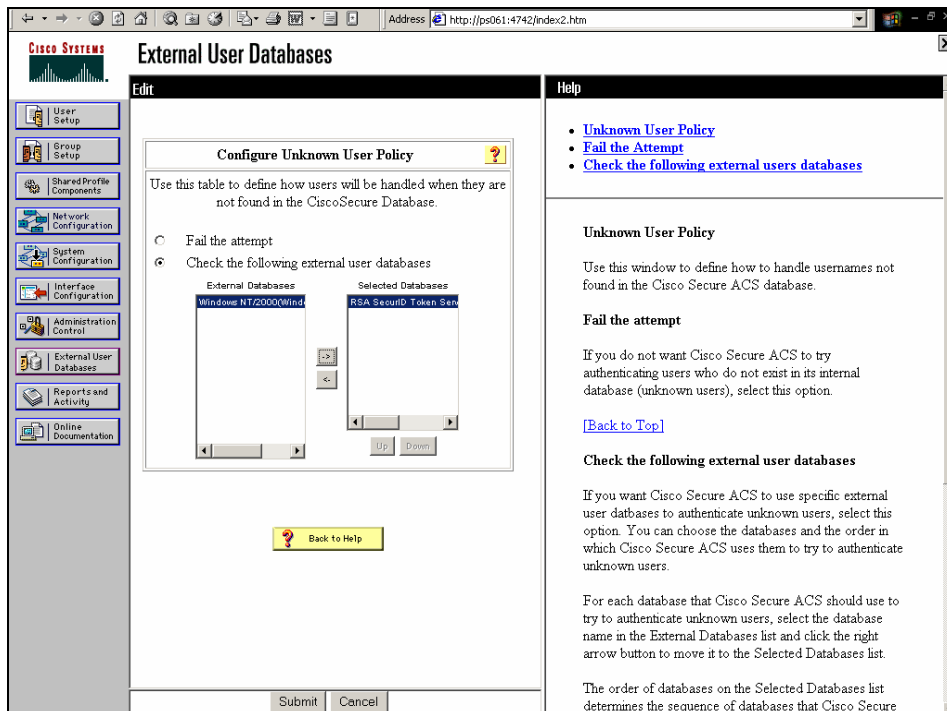
Note: Cisco Secure ACS displays the name of the token server and the path to the authenticator DLL. This information confirms that Cisco Secure ACS can contact the RSA agent. You can add the RSA SecurID external user database to your Unknown User Policy or assign specific user accounts to use this database for authentication.

- Adding/Configuring SecurID authentication to your Unknown User Policy


1. Click 

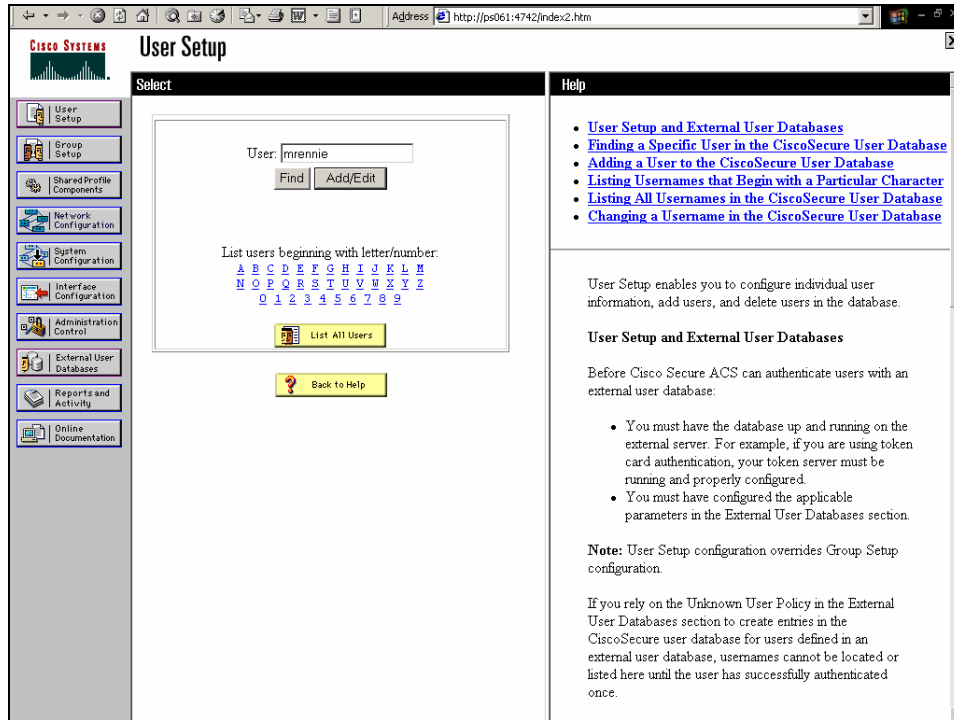


2. Click **Unknown User Policy**. Select **'Check the following external user databases'**, highlight **'RSA SecurID Token Server'** and move it to the **'Selected Databases'** box. Click **'Submit'**.

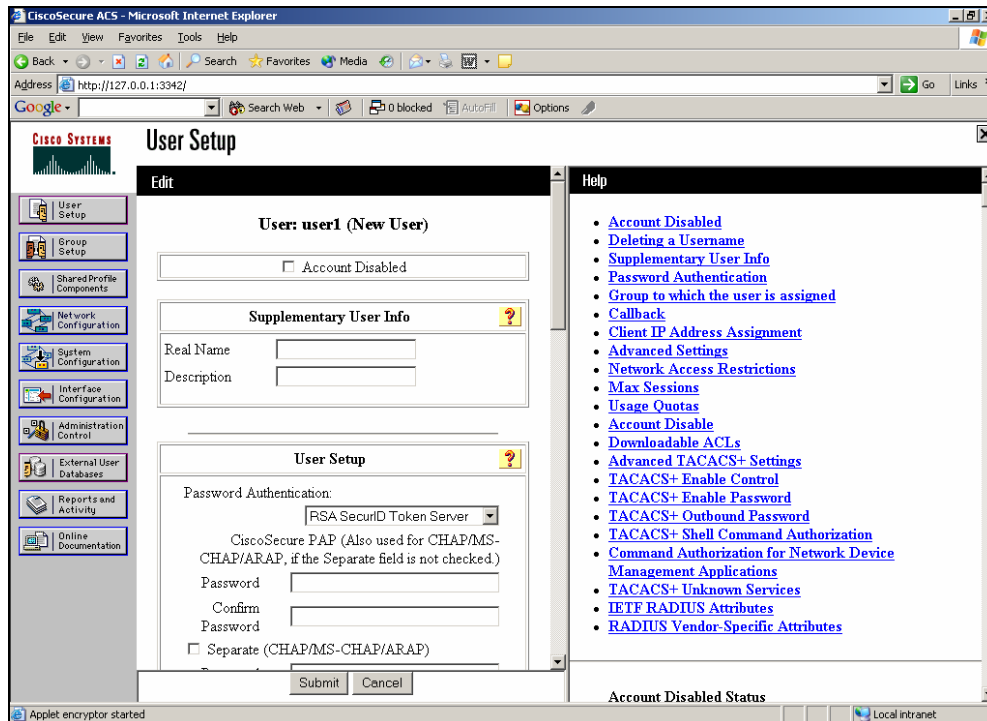


- **Adding/Configuring SecurID authentication for specific user accounts**

1. Click  from the main ACS Admin GUI. Type in the user name and click 'Add'.



2. Under  ...**Password Authentication**, choose **RSA SecurID Token Server**.



7. Certification Checklist

Date Tested: September 10, 2004

Tested Certification Environment		
Product	Platform (OS)	Product Version
RSA Authentication Manager	WIN2K SP4	6.0
RSA Authentication Agent	WIN2K SP4	5.5
RSA Software Token	WIN2K SP4	3.0.3 [008]
Cisco Secure ACS	WIN2K SP4	3.3.1

Test	RSA Native Protocol	RADIUS Protocol
1st time auth. (node secret creation)	<input type="text" value="P"/>	<input type="text"/>
New PIN mode:		
System-generated		
Non-PINPAD token	<input type="text" value="P"/>	<input type="text"/>
PINPAD token	<input type="text" value="P"/>	<input type="text"/>
User-defined (4-8 alphanumeric)		
Non-PINPAD token	<input type="text" value="P"/>	<input type="text"/>
Password	<input type="text" value="P"/>	<input type="text"/>
User-defined (5-7 numeric)		
Non-PINPAD token	<input type="text" value="P"/>	<input type="text"/>
PINPAD token	<input type="text" value="P"/>	<input type="text"/>
Software token	<input type="text" value="P"/>	<input type="text"/>
Deny 4 digit PIN	<input type="text" value="P"/>	<input type="text"/>
Deny Alphanumeric	<input type="text" value="P"/>	<input type="text"/>
User-selectable		
Non-PINPAD token	<input type="text" value="P"/>	<input type="text"/>
PINPAD token	<input type="text" value="P"/>	<input type="text"/>
PASSCODE		
16 Digit PASSCODE	<input type="text" value="P"/>	<input type="text"/>
4 Digit Password	<input type="text" value="P"/>	<input type="text"/>
"Pin-less" TokenCode	<input type="text" value="P"/>	<input type="text"/>
Next Tokencode mode		
Non-PINPAD token	<input type="text" value="P"/>	<input type="text"/>
PINPAD token	<input type="text" value="P"/>	<input type="text"/>
Software Token API Authentication		
New PIN mode	<input type="text" value="N/A"/>	<input type="text"/>
8 Digit PIN with 8 Digit TokenCode	<input type="text" value="N/A"/>	<input type="text"/>
Failover	<input type="text" value="P"/>	<input type="text"/>
User Lock Test (RSA Name Lock Function)	<input type="text" value="P"/>	<input type="text"/>
No RSA Authentication Manager	<input type="text" value="P"/>	<input type="text"/>

SWA

Pass, Fail or N/A (N/A=Non-available function)



8. Known Issues

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Appendix

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