Getting Started

The Authentication Servers application enables you to create, modify, and delete authentication servers in OmniVista. An authentication server could be an LDAP server, RADIUS server, or an ACE server. Any authentication server that you want to use, other than the default OmniVista LDAP server, must be added to OmniVista. Adding a server to OmniVista basically informs OmniVista that the server exists. OmniVista does not search the network to locate available authentication servers, so any server that you add to OmniVista should actually exist (or should exist in the near future). When you add a server, you can also specify other information such as:

- Operating parameters for switches that will use the server for authentication, such as the number of retries the switch will attempt while communicating with the server.
- The user name and password used to login to the server (if applicable).
- The location of the server to be used as a "backup" server if the added server becomes unavailable.

When you start the Authentication Servers application, the LDAP, the RADIUS, and the ACE tabs are displayed.

LDAP Mode Overview

The **LDAP** tab, shown below, enables you to add an existing LDAP Version 3 authentication server to OmniVista's list of available LDAP authentication servers, modify an existing LDAP server, and delete an LDAP server from the list of LDAP servers known to OmniVista.

millista 2500 - Application: Authent							
	ication Servers Window@						10
Applications Yew Help							
							3
AP HADIUS ACE							A
Name Host Name@PAddress	Backup Hest Name#P Address	Retries	Timeout	Pert	Admin DN	Search Base	SSL
13.1.1.9 13.1.1.9		3	2	5389	cn+DirMgr, e=alcabil.com	ou=People, o=alcalet.com	taise
				1.00			
	Asd	Nodity	Qelete	He	e		

LDAP Tab

To learn more about the LDAP tab, click here.

RADIUS Mode Overview

The **RADIUS** tab, shown below, lists all the RADIUS authentication servers known to the OmniVista. It also enables you to add RADIUS servers, modify existing RADIUS servers, and delete RADIUS servers from the list of RADIUS servers known to OmniVista.

RADIUS Tab

OmniVista 2500 -	Application: Authentication Serv	vers Window:0				<u>_8 x</u>
						a
	ACE					
						6 12111
Name	Host Name/IP Address	Backup Host Name/IP Address	Retries	Timeout	Auth Port	Account Port
RADIUS 1		174.34.3.23	3	2	1645	1646
RADIUS 2	196.22.3.692	Wimpy	3	2	1645	1646
		Add	elete Help	L		

To learn more about the RADIUS tab, click here.

ACE Mode Overview

The **ACE** tab, shown below, enables you to add a single ACE/Server to OmniVista. It also enables you to delete an ACE/Server. An ACE/Server cannot be configured or modified from OmniVista because all configuration information is contained in **sdconf.rec** file.

ACE/Servers Tab

Ommilista 2500 - Application: Authentication Servers Window:0	X
Elic Applications View Help	
	a
LDAP RADIUS ACE	
Name	Description Configuration Information contained in socient rec file
<u>A</u> /dd	gelete Heip

To learn more about the ACE tab, click here.

Managing LDAP Servers

Lightweight Directory Access Protocol (LDAP) is a standard directory server protocol. The LDAP client in the switch is based on several RFCs: 1798, 2247, 2251, 2252, 2253, 2254, 2255, and 2256. The protocol was developed as a way to use directory services over TCP/IP and to simplify the Directory Access Protocol (DAP) defined as part of the Open Systems Interconnection (OSI) effort. Originally, LDAP was a front-end for X.500 DAP.

The LDAP protocol synchronizes and governs the communications between the LDAP client and the LDAP server. The protocol also dictates how database information, which is normally stored in hierarchical form, is searched from the root directory down to distinct entries.

In addition, LDAP has its own format that permits LDAP-enabled Web browsers to perform directory searches over TCP/IP.

The LDAP Tab

The **LDAP** tab lists all the LDAP authentication servers known to OmniVista. It also enables you to add additional LDAP servers, modify existing LDAP servers, and delete LDAP servers from the list of LDAP servers known to OmniVista. By default, the OmniVista LDAP server is automatically installed with the authentication server. However, any LDAP V3 server can be added to the list of known LDAP servers.



The OmniVista LDAP Server

The OmniVista LDAP server is automatically installed along with the authentication server. You cannot delete this server. If you choose to use the OmniVista LDAP server, you can easily add, modify, or delete users and user privileges in the server's LDAP database.

Other LDAP Servers

If you want to use a different LDAP V3 server, you must add it to OmniVista. You can assign switches to such servers, but the Authenticated Servers application does not allow you to add, modify, or delete users and user privileges in the LDAP database of such servers. This is because an LDAP server's database must be configured for the specific schema used to manage users and there is no public API for configuring LDAP schemas.

Adding an LDAP Server

To add a new LDAP server to OmniVista, click the **Add...** button, shown in the screen above. The **Add LDAP Server** window is displayed. For more information on adding an LDAP server, click here.

Note: The specific server configuration tasks must be completed before you add a new LDAP server to OmniVista.

Modifying an LDAP Server

To modify an existing LDAP server, select the server from the list of LDAP servers in the **LDAP** tab, and then click the **Modify...** button, shown in the screen above. For more information on modifying an LDAP server, click here.

Deleting an LDAP Server

To delete an LDAP server, select the server from the list of LDAP servers in the **LDAP** tab, and then click the **Delete...** button, shown in the screen above.

Note: Deleting an authentication server from the list of LDAP servers known to OmniVista will not cause switches that currently use that LDAP server to cease using it. Switches using the deleted LDAP server will continue to use it until the switches are reassigned.

The LDAP Tab

The **LDAP** tab shown below, enables you to add an existing LDAP Version 3 authentication server to OmniVista's list of available LDAP authentication servers, modify an existing LDAP server, and delete an LDAP server from the list of LDAP servers known to OmniVista. However, before you add an LDAP server to OmniVista, you must do the following:

- Install the LDAP server
- Modify the LDAP server's schema to add required objects
- Set up user accounts on the LDAP server

			LD	AP To	ıb			
Omnifista2	500 - Application: Authentie ons: View: Help	ation Servers Window®						102
								2
LDAP NA	DIUS ACE							AINTH
Name 09-13.1.1.9	Host Name/IP Address 10.1.1.9	Backup Hest Name#P Address	Reties 3	Timeout 2	Port 5389	Admin DN cn+DirMgr, e+alcabil.com	Search Base ou=People, o=alcatet.com	SSL taise

Installing and Configuring an LDAP Server

Before you add an LDAP server to OmniVista's list of available authentication servers, you must first install the LDAP server based on the instructions provided by the LDAP server's vendor. You must then modify the LDAP server's schema to add the LDAP objects required to manage Alcatel switches. The following section provides a list of the required objects.

Required LDAP Schema Objects

The following objects must be added to an LDAP server's schema so that it can manage Alcatel switches. To modify the schema, follow the vendor's instructions. Each LDAP vendor provides a different way of modifying the schema.

attribute accountfailtime oid-ataccountfailtime cis attribute accountstarttime oid-ataccountstarttime cis attribute accountstoptime oid-ataccountstoptime cis attribute numberofswitchgroups oid-atnumberofswitchgroups int single attribute switchgroups oid-atswitchgroups int attribute switchserialnumber oid-atswitchserialnumber cis attribute switchslotport oid-atswitchslotport cis attribute clientipaddress oid-atclientipaddress cis attribute clientmacaddress oid-atclientmacaddress cis attribute userPermissions oid-atuserPermissions int single attribute pm-access-priv-read-1 oid-atpm-access-priv-read-1 cis single attribute pm-access-priv-read-2 oid-atpm-access-priv-read-2 cis single attribute pm-access-priv-write-1 oid-atpm-access-priv-write-1 cis single attribute pm-access-priv-write-2 oid-atpm-access-priv-write-2 cis single attribute pm-access-priv-global-1 oid-atpm-access-priv-global-1 cis single attribute pm-access-priv-global-2 oid-atpm-access-priv-global-2 cis single attribute bop-asa-func-priv-read-1 oid-atbop-asa-func-priv-read-1 int single attribute bop-asa-func-priv-read-2 oid-atbop-asa-func-priv-read-2 int single attribute bop-asa-func-priv-write-1 oid-atbop-asa-func-priv-write-1 int single attribute bop-asa-func-priv-write-2 oid-atbop-asa-func-priv-write-2 int single attribute allowedTime oid-atallowedTime cis single attribute bop-asa-geo-priv-profile-number oid-atbop-asa-geo-priv-profile-number int single attribute bop-md5key oid-atbop-md5key cis single attribute bop-shakey oid-atbop-shakey cis single attribute bop-asa-snmp-level-security oid-atbop-asa-snmp-level-security int single

Configuring User Accounts on the Server

When you use an LDAP server other than the OmniVista LDAP server, you must set up all user accounts on the server based on the instructions provided by the LDAP server's vendor. You cannot set up user accounts from OmniVista for any authentication server other than the OmniVista LDAP server, which is automatically installed with the Authentication Servers application.

Adding an LDAP Server to OmniVista

Once you have installed the LDAP authentication server, modified its schema to add required objects, and set up user accounts on the server, you are ready to add the server to OmniVista's list of available LDAP authentication servers. You can use the Authentication Servers application's Add LDAP Server window to add the new server. Complete each field in the Add LDAP Server window as explained below.

Add LDAP Server

🖉 Add LDAP Server			×
Server Name:			
Host Name/IP Addr:			
Backup Host Name/IP Addr:			
Retries:	3		
Timeout(Sec):	2	Admin Name:	
Search Base:		Password:	
SSL	Disabled 💌	Port Number	389
	Apply Cancel	Help	

Server Name

Enter a unique name for the LDAP authentication server. This name will be used by OmniVista and the switch to identify the server.

Host Name/IP Addr

Enter the name of the computer where the server is located OR enter the IP address of the computer where the server is located.

Backup Host Name/IP Addr

Each LDAP authentication server may optionally have a backup server. If you wish to define a backup server that will be used if this server is unavailable, enter the name of the computer where the backup server is located OR enter the IP address of the computer where the backup server is located.

Retries

Enter the number of retries that you want the switch to attempt when trying to contact the LDAP authentication server.

Timeout(Sec)

Enter the number of seconds that you want the switch to wait before a request to the LDAP authentication server is timed out.

Search Base

Enter the search base in the LDAP authentication server where authentication information can be found (e.g., o=alcatel.com).

SSL

Set this field to **Enabled** or **Disabled** to inform the switch whether SSL (Secure Socket Layer) is enabled or disabled on the LDAP authentication server. SSL can be set up on the server for additional security. (This usually involves adding digital certificates to the server.) When SSL is enabled, the server's identity will be authenticated. Refer to "Managing Authentication Servers" in your *Network Configuration Guide* and to the instructions provided by the LDAP server's vendor for further information on setting up SSL on the LDAP server.

Admin Name

Enter the Distinguished name used to login to the LDAP authentication server (e.g., cn=Directory Manager).

Password

Enter the password configured for the Admin name specified above. The switch must have both the Admin name and the password to log into the LDAP authentication server.

Port Number

Enter the port number used as the LDAP port address. This is the port at which the LDAP server "listens". By default, the port number is 389. However, note that the switch automatically sets the port number to 636 when SSL is enabled. (Port number 636 is typically used on LDAP servers for SSL.) The port number on the switch must match the port number configured on the server.

Note: When you complete all required fields in the **Add LDAP Server** window, click the **Apply** button. The new LDAP authentication server will be known to OmniVista and will be displayed in the list of known LDAP servers in the **LDAP** tab.

Modifying an LDAP Server

You can modify a known LDAP server by selecting it in the list of known LDAP servers and clicking the **Modify...** button. The **Modify LDAP Server** window appears, as shown below.

Modify LDAP Server							
🙋 Modify LDAP Server				×			
Server Name:	OV-10.1.1.68						
Host Name/IP Addr:	10.1.1.68						
Backup Host Name/IP Addr:							
Retries:	3						
Timeout(Sec):	2	Admin Name:	cn=DirMgr, o=alcatel.com				
Search Base:	ou=People, o=alcatel.com	Password:	*****				
SSL	Disabled 💌	Port Number	5389				
	Apply Cancel	<u>H</u> elp					

You can modify any field displayed. Refer to the Adding an LDAP Server to OmniVista section for an explanation of each field. However, it is important to note that you cannot modify values indiscriminately. The values must match those of the actual LDAP server. For example, if you want to change the LDAP port address, you must first use the tools provided by your LDAP server's vendor to change the port on the LDAP server itself. You can then inform OmniVista that the port number has changed by modifying the **Port Number** field in the **Modify LDAP Server** window.

Deleting an LDAP Server

You can delete an LDAP server by selecting it in the list of known LDAP servers and clicking the **Delete...** button.

Note: Deleting an authentication server from the list of LDAP servers known to OmniVista will not cause switches that currently use that LDAP server to cease using it. Switches using the deleted LDAP server will continue to use it until the switches are reassigned.

Enabling SSL on the OmniVista LDAP Server

If you want to enable SSL on the OmniVista LDAP server that is installed with the Authentication Servers application, you need to select the server in the list of known LDAP servers and click the **Modify...** button to display the **Modify LDAP Server** window. Note that enabling or disabling SSL may affect PolicyView QoS (if it is installed), Groups (if it is installed), as well as SecureView SA.

Managing RADIUS Servers

Remote Authentication Dial-in User Service (RADIUS) is a standard authentication and accounting protocol defined in RFC 2865 and RFC 2866. A built-in RADIUS client is available in the switch. A RADIUS server that supports Vendor Specific Attributes (VSAs) is required. VSAs carry specific authentication, authorization, and configuration details about RADIUS requests to and replies from the server. Refer to "Managing Authentication Servers" in your *Network Configuration Guide* for specific information on the VSAs required.

The RADIUS Tab

The **RADIUS** tab, shown below, lists all the RADIUS authentication servers known to OmniVista. It also enables you to add RADIUS servers, modify existing RADIUS servers, and delete RADIUS servers from the list of RADIUS servers known to OmniVista.

Note: By default, the authentication server does not supply a RADIUS server.

🖉 OmniVista 25	00 - Application: Authenti	cation Servers Window:0				_ & ×
Eile Applicatio	ns View Help					
	1 🛛 🔇 🔄 🧕					a
LDAP RAD	IUS ACE					
Name	Host Name/IP Address	Backup Host Name/IP Address	Retries	Timeout	Auth Port	Account Port
RADIUS 2	196.22.3.692	Wimpy	3	2	1645	1646
RADIUS 1		174.34.3.23	3	2	1845	1646
		Add Modify Delet	e	p		
A. 		· · · ·				

Managing RADIUS Servers

To add a new RADIUS server, click Add.

Adding a RADIUS Server

To add a new RADIUS server to OmniVista, click the **Add...** button, shown in the screen above. The **Add RADIUS Server** window is displayed. For more information on adding a RADIUS server, click here.

Modifying a RADIUS Server

To modify an existing RADIUS server, select the server from the list of RADIUS servers in the **RADIUS** tab, and then click the **Modify...** button, shown in the screen above. For more information on modifying a RADIUS server, click here.

Deleting a RADIUS Server

To delete a RADIUS server, select the server from the list of RADIUS servers in the **RADIUS** tab, and then click the **Delete...** button.

Note: Deleting an authentication server from the list of RADIUS servers known to OmniVista will not cause switches that currently use that RADIUS server to cease using it. Switches using the deleted RADIUS server will continue to use it until the switches are reassigned.

The RADIUS Tab

The **RADIUS** tab, shown below, lists all the RADIUS authentication servers known to OmniVista. It also enables you to add RADIUS servers, modify existing RADIUS servers, and delete RADIUS servers from the list of RADIUS servers known to OmniVista. However, before you add a RADIUS server to OmniVista, you must do the following:

- Install and configure the RADIUS Server
- Set up user accounts on the RADIUS server

Note: You cannot add, modify, or delete users and user privileges from RADIUS servers in OmniVista.

Eile Applications	Application: Authentication Ser View Help	vers Window:0				X
						a
LOAP RADIUS	ACE					
						6 1 H
Name	Host Name IP Address	Backup Host Name/P Address	Retries	tuoemiT	Auth Port	Account Port
RADIUS 1		174.34.3.23	3	2	1645	1646
RADIUS 2	196.22.3.692	wompy	3	2	1645	1645

RADIUS Tab

Installing and Configuring a RADIUS Server

Before you add a RADIUS server to OmniVista's list of available authentication servers, you must first install the RADIUS server based on the instructions provided by the RADIUS server's vendor. Then, you must configure the RADIUS server with the vendor specific attributes. These attributes carry specific authentication, authorization, and configuration details about RADIUS requests to and replies from the server. Refer to "Managing Authentication Servers" in your Network Configuration Guide for specific information on the VSAs required.

Note: The Alcatel-NMS-Group attribute must be assigned to vendor number 800 to successfully authenticate the OmniVista users through the RADIUS server. If the vendor number is not defined for this attribute, or the vendor number is set to a different number other than 800, the user logs in, but is assigned to the "Default" group.

Configuring User Accounts on a RADIUS Server

When you use a RADIUS server for User Authentication, you must set up all user accounts on the server based on the instructions provided by the RADIUS server's vendor. However, the authorization which includes the access level associated with each user will be controlled by the OmniVista server, based on the group a user is associated with. You cannot set up user accounts from OmniVista for any authentication server other than the OmniVista LDAP server, which is automatically installed with the Authentication Servers application.

Note: Click here for information on configuring RADIUS servers for user authentication.

Adding a RADIUS Server to OmniVista

Once you have installed, configured, and set up the user accounts on the RADIUS server, you are ready to add the server to OmniVista. You can use the Authentication Servers application's **Add Radius Server** window to add the new server. When you assign the new RADIUS server to switches, the authentication server will automatically configure the switches to operate with the server.

🖉 Add Radius Server	×
Server Name:	ļ.
Host Name/IP Addr:	
Backup Host Name/IP Addr:	
Retries:	3
Timeout(Sec):	2
Shared Secret:	
Authentication Port:	1812
Accounting Port:	1813
Apply Ca	ancel <u>H</u> elp

Add Radius Server

Complete each field in the Add Radius Server window as explained below.

Server Name

Enter a unique name for the RADIUS authentication server. This name will be used by OmniVista and the switch to identify the server.

Host Name/IP Addr

Enter the name of the computer where the server is located OR enter the IP address of the computer where the server is located.

Backup Host Name/IP Addr

Each RADIUS authentication server may optionally have a backup server. If you wish to define a backup server that will be used if this server is unavailable, enter the name of the computer where the backup server is located OR enter the IP address of the computer where the backup server is located.

Retries

Enter the number of retries that you want the switch to attempt when trying to contact the RADIUS authentication server.

Timeout(Sec)

Enter the number of seconds that you want the switch to wait before a request to the RADIUS authentication server is timed out.

Shared Secret

Enter the password to the server. (The "shared secret" is essentially the server password.) Note that the password you enter must be configured identically on the server.

Authentication Port

Enter the port you to access the server.

Accounting Port

Enter the port for accounting information.

Note: When you complete all required fields in the **Add Radius Server** window, click the **Apply** button. The new RADIUS authentication server will be known to OmniVista and will be displayed in the list of known RADIUS servers in the **RADIUS** tab.

Modifying a RADIUS Server

You can modify a known RADIUS server by selecting the desired server from the list of known RADIUS servers and clicking the **Modify...** button. The **Modify Radius Server** window appears, as shown below.

🖉 Modify Radius Server	X
Server Name:	RADIUS 2
Host Name/IP Addr:	196.22.3.692
Backup Host Name/IP Addr:	Wimpy
Retries:	3
Timeout(Sec):	2
Shared Secret:	* *
Authentication Port:	1645
Accounting Port:	1646
<u>Apply</u> Ca	ancel <u>H</u> elp

Modify RADIUS Server

You can modify any field displayed. Refer to the Adding a RADIUS Server to OmniVista section for an explanation of each field. However, it is important to note that you cannot modify values indiscriminately. The values must match those of the actual RADIUS server. For example, if you want to change the RADIUS authentication port, you must first use the tools provided by your RADIUS server's vendor to change the port on the RADIUS server itself. You can then inform OmniVista that the port number has changed by modifying the **Authentication Port** field in the **Modify RADIUS Server** window.

Deleting a RADIUS Server

You can delete a RADIUS server by selecting it the list of known RADIUS servers and clicking the **Delete...** button.

Note: Deleting an authentication server from the list of RADIUS servers known to the OmniVista will not cause switches that currently use that RADIUS server to cease using it. Switches using the deleted RADIUS server will continue to use it until the switches are reassigned.

Configuring a RADIUS Server for User Authentication

OmniVista includes an option to select RADIUS authentication of all OmniVista login users. In this mode all OmniVista user accounts and passwords will be created and maintained external to OmniVista. When this mode is selected, the authentication of a user at login time will be performed using the remote RADIUS server, but the authorization will continue to be controlled within OmniVista.

Note: To select RADIUS authentication of all OmniVista login users go to **Users and User Groups** application and select RADIUS server as the **Authentication Server**.

Authorization includes the access levels associated with each user, what switches can be seen, whether access is read-only, read-write, admin, and so fort. In the remote authentication mode OmniVista will continue to be used to create all the groups, but creating user accounts will only create local users.

The access and permission levels are controlled by user group, not by an individual user. The RADIUS accounts include the group affiliations for each user as an authorization attribute of a standard name to be defined.

The RADIUS group attribute will be a multi-valued string attribute, containing the list of groups to which this user belongs. When the authentication is performed at login, OmniVista fetches this authorization attribute and record the group membership for the current user, and the resulting access attributes. If no RADIUS group attribute is provided for the authenticated user, OmniVista sets the membership to the predefined "Default" group.

Three other attribute names will be defined that can optionally be provided from the external server for use by OmniVista:

- First Name
- Last Name
- Description

These attributes are not used by OmniVista for authorization, but are user-specific attributes that can be stored with for reporting in the Control Panel Application.

The Attributes have the following definition in the FUNK vendor specific attribute file:

ATTRIBUTE Alcatel-Nms-Group Alcatel-Attr(20, string) R ATTRIBUTE Alcatel-Nms-First-Name Alcatel-Attr(21, string) r ATTRIBUTE Alcatel-Nms-Last-Name Alcatel-Attr(22, string) r ATTRIBUTE Alcatel-Nms-Description Alcatel-Attr(23, string) r

When the remote authentication option is enabled OmniVista will attempt to authenticate the user from the remote server. If the user is not found on the remote server or the password is not valid then the user will not be authenticated. If a backup remote server has been specified and OmniVista cannot contact the remote server then it will attempt to contact the backup Remote Server.

When a user attempts to login, the server will use which error login system has been specified by the administrator in the Users and Group application. If a remote server has been selected and neither the remote server nor the remote backup server can be reached, then login will fallback to the local OmniVista users. This will allow a network administrator to login even if the authentication server is down.

Managing ACE/Servers

The ACE Tab

You can use a single external ACE/Server for authentication of all switch access types. You are limited to a single ACE/Server, because file **sdconf.rec** must be FTPed from the ACE/Server to the switch's/**network** directory, to inform the switch of the ACE/Server's IP address and other configuration information. This requirement means that the switch can communicate with only a single ACE/Server at any one time.

Note: An ACE/Server cannot be used for Layer 2 authentication or for policy.

The ACE tab, shown below, enables you to add a single ACE/Server to OmniVista. It also enables you to delete an ACE/Server. An ACE/Server cannot be configured or modified from OmniVista because all configuration information is contained in **sdconf.rec** file.

🖉 OmniVista 2500 - 🛛 Application: Authenticatio	n Servers Window:0	X
Eile Applications View Help		
		a
LDAP RADIUS ACE		
		8.88
Name	Description	
ace	Configuration Information contained in sdconf.rec file	
	Add Delete Help	
•.*.		

Managing ACE/Servers

To add an ACE/Server, click Add. Only a single ACE/Server can be added. (The Add button is active only when an ACE/Server does not exist.)

Before You Add an ACE/Server to OmniVista

Before you add the ACE/Server to OmniVista, you must first install the ACE/Server, based on the instructions provided by your ACE/Server's vendor. You must also set up user accounts on the ACE/Server. There are no server-specific parameters that must be configured for the switch to communicate with an attached ACE/Server; however, you must FTP the **sdconf.rec** file from the server to the switch's **/network** directory. This file is required so that the switch will know the IP address of the ACE/Server and other configuration information. For information about loading files into the switch, see the *OmniSwitch* 6800/6850/7700/7800/8800/9000 Switch Management Guide.

Note: An ACE/Server stores and authenticates switch user accounts (i.e., user IDs and passwords), but does NOT store or send user privilege information to the switch. User privileges for logins are determined by the switch itself. When a user attempts to log into the switch, the user ID and password are sent to the ACE/Server. The server determines whether the login is valid or not. If the login is valid, the user privileges must be determined. The switch checks its user database for the user's privileges. If the user is not in the database, the switch uses the default privilege, which is determined by the default user account. For information about the default user account, see the "Switch Security" chapter of the *OmniSwitch* 6800/6850/7700/7800/8800/9000 Switch Management Guide.

The ACE client in the switch is version 4.1; it does not support the replicating and locking feature of ACE 5.0, but it may be used with an ACE 5.0 server if a legacy configuration file is loaded on the server. The legacy configuration must specify authentication to two specific servers (master and slave). See the RSA Security ACE/Server documentation for more information.

Adding an ACE/Server

Once you have installed and configured the ACE/Server, you are ready to add the new server to OmniVista. To add an ACE/Server to OmniVista, click the **Add...** button in the **ACE** tab, as shown in the screen above. When you assign the ACE/Server to switches, the authentication server will automatically configure the switches to operate with the server.

Deleting an ACE/Server

To delete an ACE/Server from OmniVista, select the server in the ACE tab and click the Delete... button.

Note: Deleting an authentication server from the list of ACE/Servers known to OmniVista will not cause switches that currently use that ACE/Server to cease using it. Switches using the deleted ACE/Server will continue to use it until the switches are reassigned.