

Customizing Your Configuration

After you have configured and tested a basic site, you can begin to make changes to better address your own sites' needs. This chapter provides information that describes how to:

- Use groups to select the appropriate user service
- Use multiple user lists to separate users
- Performs authentication and authorization against data from an LDAP server
- Use a script to determine which remote server to use for authentication and authorization
- Use session management to allocate and account for dynamic resources such as the number of concurrent user sessions.

The examples in this chapter provides an introduction to many of the Cisco Prime Access Registrar 9.0 objects and their properties. See Chapter 5, "Configuring and Monitoring the RADIUS Server," for more detailed information.

This chapter consists of the following sections:

- Configuring Groups, page 3-1
- Configuring Multiple UserLists, page 3-4
- Configuring a Remote Server for AA, page 3-9
- Configuring Session Management, page 3-16

Configuring Groups

The first change you might want to make is to create distinct groups based on the type of service, and divide your user community according to these groups.

You can use Prime Access Registrar UserGroups in two ways:

- You can create separate groups for each specific type of service. For example, you can have a group for PPP users and another for Telnet users.
- You can use a default group and, depending on how the user logs in, use a script to determine which service to provide.

The default Prime Access Registrar installation provides examples of both types of groups.

Configuring Specific Groups

For users who always require the same type of service, you can create specific user groups, and then set the user's group membership to that group.

Table 3-1 provides an overview of the process. The following sections describe the process in more detail.

Table 3-1 Configuring UserGroups

Object	Action
UserGroups	Add a new UserGroup
UserLists	Set group membership

Creating and Setting Group Membership

Step 1	Run the aregcmd command:
	aregcmd
Step 2	Use the cd command to change to the UserGroups object.
	cd /Radius/UserGroups
Step 3	Use the add command to create a user group, specifying the name and optional description, BaseProfile, AuthenticationScript, or AuthorizationScript. The following example shows how to add the PPP-users group.
	This example sets the BaseProfile to default-PPP-users. When you set this property to the name of a profile, Prime Access Registrar adds the properties in the profile to the response dictionary as part of the authorization process.
	add PPP-users "Users who always connect using PPP" default-PPP-users
Step 4	Use the cd command to change to the user you want to include in this group. The following example shows how to change to the user, jean:
	cd /Radius/UserLists/Default/jean
Step 5	Use the set command to set the user's group membership to the name of the group you have just created.
	set group PPP-users
Step 6	Use the save command to save your changes.
	save
Step 7	Use the reload command to reload the server.
	reload



You must save whenever you change the configuration, either through adds, deletes, or sets. Before you exit, log out, or reload, Prime Access Registrar prompts you to save. You must reload after all saves except when you have only made changes to individual users (either adds, deletes, or sets). Unlike all other changes, Prime Access Registrar reads user records on demand; that is, when there is a request from that user.

Configuring a Default Group

If you allow users to request different Services based on how they specify their username, you can use a script to determine the type of Service to provide. For example, the user *joe* can request either PPP or Telnet Service by either logging in as joe%PPP or joe%Telnet.

This works because there are two scripts: ParseServiceHints and AuthorizeService.

- **ParseServiceHints**—checks the username suffix and if it corresponds to a service, it modifies the request so it appears as if the NAS requested that type of Service.
- AuthorizeService—adds a certain profile to the response based on the Service type. The script chooses the authentication and/or authorization Service, and the Service specifies the UserGroup which then specifies the UserList, which contains the user joe.

Table 3-2 provides an overview of the process. The following sections describe the process in more detail.

Object	Action
UserGroups	Add a new UserGroup or use existing Default group.
	Set AuthorizationScript
Scripts	Add new Script.
UserLists	Set group membership.

Table 3-2 Choosing Among UserGroups

Using a Script to Determine Service

The following instructions assume you have already created a UserGroup and you have written a script that performs this function. For some sample scripts, see *Chapter 7, "Using Extension Points.*"

Step 1 Use the **cd** command to change to the UserGroup you want to associate with the script. The following example changes to the **Default** group.

cd /Radius/UserGroups/Default

Step 2 Use the **set** command to set the AuthorizationScript to the name of the script you want run. The following example sets the script to **AuthorizeService**:

set AuthorizationScript AuthorizeService

Step 3 Use the **cd** command to change to **Scripts**:

cd /Radius/Scripts

Step 4 Use the **add** command to add the new script, specifying the name, description, language (in this case Rex which is short for RADIUS Extension), filename and an optional entry point. When you do not specify an entry point, Prime Access Registrar uses the script's name.

add AuthorizeService "Authorization Script" Rex libAuthorizeService.so AuthorizeService

Step 5 Use the **cd** command to change to the user. The following example changes to the user beth:

cd /Radius/UserLists/Default/beth

Step 6 Use the set command to set the user's group membership to the name of that group. The following example sets beth's group membership to the Default group.

set Group Default

Step 7 Use the **save** command to save your changes:

save

Step 8 Use the **reload** command to reload the server:

reload

Note

To save your changes and reload the server after following this example, you must have an actual script. Prime Access Registrar displays a warning message when it detects missing configuration objects.

Configuring Multiple UserLists

The basic site contains a single userlist, *Default*, and uses group membership to determine the type of Service to provide each user. When all users are in the same UserList, each username must be unique.

You can, however, group your user community by department or location, and use separate UserLists to distinguish amongst them. In this case, the users names must be unique only within each UserList. Thus, you can allow a user Jane in the North UserList as well as one in the South UserList.

When you have more than one UserList, you must have an incoming script that Prime Access Registrar can run in response to requests. The script chooses the authentication and/or authorization Service, and the Service specifies the actual UserList (Figure 3-1).

Figure 3-1 Using a Script to Choose a UserList

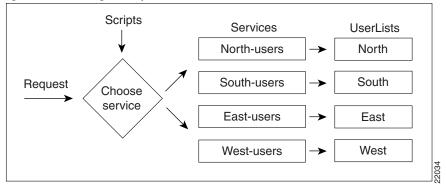


Table 3-3 provides an overview of the process. The following sections describe the process in more detail.

Table 3-3 Configuring Separate UserLists

Object	Action
UserLists	Add new UserLists.
Users	Add users.
Services	Add new Services.
	Set service type (local).
Radius	Set Incoming Script.
Scripts	Add a new Script.

Configuring Separate UserLists

Divide your site along organizational or company lines, and create a UserList for each unit.

Creating Separate UserLists

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aregcmd

Step 2 Use the **cd** command to change to **UserLists**.

cd /Radius/UserLists

Step 3 Use the **add** command to create a UserList, specifying the name and optional description. The following example specifies the name North and the description Users from the northern office.

add North "Users from the northern office"

Step 4 Repeat for the other UserLists you want to add.

Configuring Users

After you have created multiple UserLists, you must populate them with the appropriate users.

Populating UserLists

Step 1	Use the cd command to change to the UserList you have created.
	cd /Radius/UserLists/North
Step 2	Use the add command to add a user. Using the sample users as models, configure the appropriate group membership. The following example adds user beth, with the optional description telemarketing, the password 123, Enabled set to TRUE, and group membership to PPP-users.
	add beth telemarketing 123 TRUE PPP-users
Step 3	Repeat for the other users you want to add.
	You can use the script, add-100-users , which is located in the /opt/CSCOar/examples/cli directory to automatically add 100 users.

Configuring Services

You must create a corresponding Service for each UserList. For example, when you create four UserLists, one for each section of the country, you must create four Services.



Before configuring services, ensure that you run the **save** and **reload** commands, after installation of the Prime Access Registrar kit.

Creating Separate Services

Step 1 Use the **cd** command to change to **Services**:

cd /Radius/Services

Step 2 Use the **add** command to create a Service, specifying the name and optional description. The following example specifies the name North-users and the description All users from the northern branch office:

add North-users "All users from the northern branch office"

Step 3 Use the **cd** command to change to **North-users**.

cd /Radius/Services/North-users

Step 4 Use the set command to set the type to *local*. Specify the name of the UserList you want Prime Access Registrar to use. You can accept the default Outage Policy and MultipleServersPolicy or you can use the set command to change them. The following example sets the type to local and the UserList to North:

set type local

set UserList North

Step 5 Repeat for each Service you must create.

Creating the Script

You must write a script that looks at the username and chooses the Service to which to direct the request.

For example, you create four UserLists (North, South, East, and West), with the Service based on the origin of the user. When a user requests a Service, your script can strip off the origin in the request and use it to set the environment dictionary variables **Authentication-Service** and/or **Authorization-Service** to the name or names of the appropriate Service.

In this situation, when beth@North.QuickExample.com makes an Access-Request, the script will strip off the word North and use it to set the value of the environment variable **Authentication-Service** and/or **Authorization-Service**. Note, the script overrides any existing default authentication and/or authorization specifications.

Note

For more information about writing scripts, see Chapter 7, "Using Extension Points," and the role the dictionaries play in Prime Access Registrar, see the Cisco Prime Access Registrar 9.0 Reference Guide.

Client Scripting

Though, Prime Access Registrar allows external code (Tcl/C/C++/Java) to be used by means of a script, custom service, policy engine, and so forth, while processing request, response, or while working with the environment dictionaries, it shall not be responsible for the scripts used and will not be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of the script.

Configuring the Script

When you have multiple UserLists, you need a script to determine which UserList to check when a user makes an Access-Request. When you want the script to apply to all users, irrespective of the NAS they are using, place the script at the **Radius** level. When, on the other hand, you want to run different scripts depending on the originating NAS, place the script at the **Client** level.

Client Scripting

Though, Prime Access Registrar allows external code (Tcl/C/C++/Java) to be used by means of a script, custom service, policy engine, and so forth, while processing request, response, or while working with the environment dictionaries, it shall not be responsible for the scripts used and will not be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of the script.

Choosing the Scripting Point

Step 1 Use the **cd** command to change to the appropriate level. The following example sets the script for all requests.

cd /Radius

Step 2 Use the set command to set the incoming script. The following example sets the script, ParseUserName:

set IncomingScript ParseUserName

Step 3 Use the **cd** command to change to **Scripts**.

cd /Radius/Scripts

Step 4 Use the **add** command to add the new script, specifying the name, description, language, filename and an optional entry point. If you do not specify an entry point, Prime Access Registrar uses the script's name.

The following example specifies the name ParseUserName, the language Rex (which is RADIUS Extension), the filename LibParseUserName.so, and the entry point ParseUserName.

add ParseUserName ""Rex libParseUserName.so ParseUserName

Step 5 Use the **save** command to save your changes:

save

Step 6 Use the **reload** command to reload the server.

reload

Handling Multiple Scripts

Prime Access Registrar can run only one script from a given extension point. However, you can write a script that runs several scripts serially, one after the other. For example, the following **tcl** script, MasterScript, might look like the following:

```
## this MasterScript executes both tParseAAA and MyProcedure
# it assumes that tclscript.tcl and myscripts.tcl are in the same
# directory as this file
source tclscript.tcl
source myscripts.tcl
proc MasterScript { request response environ } {
   tParseAAA $request $response $environ
   MyProcedure $request $response $environ
}
```

Save tcl scripts in the directory /opt/CSCOar/scripts/radius/tcl.

Configuring a Remote Server for AA

All the sites described so far in this chapter have used the Prime Access Registrar RADIUS server for authentication and authorization. You might want to delegate either one or both of those tasks to another server, such as an LDAP server or another RADIUS server.

You can specify one of the following services when you want to use a particular remote server:

- radius—authentication and/or authorization
- ldap—authentication and/or authorization
- tacacs-udp—authentication only.



Although these services differ in the way they handle authentication and authorization, the procedure for configuring a remote server is the same independent of its type.

Table 3-4 provides an overview of the process. The following sections describe the process in more detail.

Object	Action
RemoteServers	Add a new RemoteServer.
	Set the protocol (ldap).
	Set the properties.
Services	Add a new Service.
	Set the type (ldap).
	Set the RemoteServers property.
Radius	Set DefaultAuthentication.
	Set DefaultAuthorization.

Table 3-4 Configuring a Remote Server

Configuring the Remote Server

The RemoteServer object allows you to specify the properties of the remote server to which Services proxy requests. The remote servers you specify at this level are referenced by name from the RemoteServers list in the Services objects.

Creating a RemoteServer

Step 1	Run the aregcmd command:
	aregcmd
Step 2	Use the cd command to change to the RemoteServers level:
	cd /Radius/RemoteServers
Step 3	Use the add command to add the remote server you will reference in the Services level. The following example adds the remote server's hostname QuickExample.
	add QuickExample
Step 4	Use the cd command to change to the QuickExample RemoteServers object level.
	cd /Radius/RemoteServers/QuickExample
Step 5	Use the set command to specify the protocol ldap:
	set protocol ldap
Step 6	Use the set command to specify the required LDAP properties.
	At the very least you must specify:
	• IPAddress—the IP address of the LDAP server (for example, 196.168.1.5).
	• Port—the port the LDAP server is listening on (for example, 389).
	• HostName—the hostname of the machine specified in the IP address field (for example, ldap1.QuickExample.com).
	• SearchPath—the directory in the LDAP database to use as the starting point when searching for user information (for example, o=Ace Industry, c=US).
	• Filter—the filter to use to find user entries in the LDAP database (for example, (uid=%s)).
	• UserPasswordAttribute—the name of the LDAP attribute in a user entry that contains the user's password (for example, userpassword).
	• BindName—specifies the distinguished name (DN) in the LDAP server for Prime Access Registrar to bind with the LDAP server (for example,
	uid=admin,ou=administrators,ou=topologymanagement,o=netscaperoot)
	• BindPassword—Specifies the password for the distinguished name (for example, cisco123)
	set IPAddress 196.168.1.5
	set Port 389
	set HostName Idap1.QuickExample.com

set SearchPath "o=Ace Industry, c=US"

set Filter (uid=%s)

set UserPasswordAttribute password

set BindName uid=admin,ou=administrators,ou=topologymanagement,o=netscaperoot

set BindPassword cisco123

See the "Using LDAP" chapter of the *Cisco Prime Access Registrar 9.0 User Guide* for descriptions of the other LDAP properties.

Configuring Services

To use LDAP for authorization and/or authentication, you must configure a Services object.

Creating Services

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Run the aregcmd command:
aregcmd
Use the cd command to change to the Services level:
cd /Radius/Services
Use the add command to add the appropriate LDAP service. The following example adds the remote-ldap service:
add remote-ldap "Remote LDAP Service"
Use the cd command to change to the remote-ldap object:
cd /Radius/Services/remote-ldap
Use the set command to set the type to ldap. You can accept the default Outage Policy and MultipleServersPolicy or you can use the set command to change them.
set type ldap
Use the cd command to change to the RemoteServers :
cd /Radius/Services/remote-ldap/RemoteServers

Use the set command to set the server number and name. By giving each server a number you tell Step 7 Prime Access Registrar the order you want it to access each server. Prime Access Registrar uses this order when implementing the MultipleServersPolicy of Failover or RoundRobin.

The following example sets the first remote server to the server QuickExample:

set 1 QuickExample

The MultipleServersPolicy determines how Prime Access Registrar handles multiple remote servers.

- When you set it to Failover, Prime Access Registrar directs requests to the first server in the list until it determines the server is offline. At that time, Prime Access Registrar redirects all requests to the next server in the list until it finds a server that is online.
- When you set it to RoundRobin, Prime Access Registrar directs each request to the next server in the • RemoteServers list in order to share the resource load across all the servers listed in the RemoteServers list.

Configuring the RADIUS Server

In the default Prime Access Registrar configuration, authentication and authorization are handled through the local-users Service object. This causes Prime Access Registrar to match requesting users with the names in its own database. When you select LDAP as a remote server for authentication and authorization, Prime Access Registrar looks to that server for user information.

To have Prime Access Registrar perform authentication and authorization against information from the LDAP server, you must change the DefaultAuthenticationService and DefaultAuthorizationService at the **Radius** level.

Run the **aregcmd** command: Step 1 aregcmd Step 2 Use the **cd** command to change to the **Radius** level: cd /Radius Use the set command to change the **DefaultAuthentication**: Step 3 set DefaultAuthentication remote-ldap Use the set command to change the DefaultAuthorization: Step 4 set DefaultAuthorization remote-ldap

Changing the Authentication and Authorization Defaults

Step 5 Use the **save** command to save your changes:

save

Step 6 Use the **reload** command to reload the server:

reload

Configuring Multiple Remote Servers

All of the sites described so far in this chapter have used a single server for authentication and authorization; either the local RADIUS server or a remote LDAP server.

You can configure multiple remote servers to use the same Service, or multiple remote servers to use different Services. Figure 3-2 shows how to use multiple servers for authentication and authorization, and how to employ a script to determine which one to use.

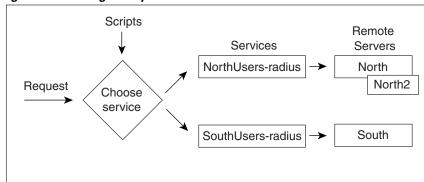


Figure 3-2 Using a Script to Choose a Remote Server

Table 3-5 provides an overview of the process. The following sections describe the process in more detail. Repeat for each RemoteServer you want to configure.

Object	Action
RemoteServers	Add a new RemoteServer.
	Set the protocol (radius).
	Set the shared secret.
Services	Add a new Service.
	Set the type (radius).
	Set the remote server name and number.
Scripts	Add a new Script.
Radius	Set the IncomingScript.

Table 3-5 Configuring Multiple Remote Servers

Configuring Two Remote Servers

Configure each remote server you want to use for authentication and authorization. The following example shows the North remote server.

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Creating RemoteServers

Step 1	Run the aregcmd command:
	aregcmd
Step 2	Use the cd command to change to the RemoteServers level:
	cd /Radius/RemoteServers
Step 3	Use the add command to add the remote server you specified in the Services level. The following example adds the North remote server:
	add North
Step 4	Use the cd command to change to the North RemoteServers level:
	cd /Radius/RemoteServers/North
Step 5	Use the set command to specify the protocol radius:
	set protocol radius
Step 6	Use the set command to specify the SharedSecret 789:
	set SharedSecret 789
Step 7	Repeat these steps for the other remote servers.

Configuring Services

To use multiple remote servers for authorization and/or authentication you must configure the corresponding Services.

Creating the Services

Step 1	Run the aregcmd command:
	aregcmd
Step 2	Change directory to /Radius/Services.
	cd /Radius/Services
Step 3	Use the add command to add the appropriate RADIUS service. The following example adds the NorthUsers-radius object:
	add NorthUsers-radius "NorthRemote server"
Step 4	Use the cd command to change the NorthUsers-radius object:

cd /Radius/Services/NorthUsers-radius

Step 5 Use the set command to set the type to radius:

set type radius

Step 6 Use the **set** command to set the remote server number and name. By giving each server a number, you tell Prime Access Registrar the order you want it to access each server. Prime Access Registrar uses this order when implementing the MultipleServersPolicy of Failover or RoundRobin.

The following example sets the first remote server to the server North and the second remote server to North2:

set RemoteServers/1 North

set RemoteServers/2 North2

Step 7 Create another Service (SouthUsers-radius) for the South remote server.

Configuring the Script

When you have multiple RemoteServers, you need a script that determines the authentication and/or authorization Service, which in turn specifies the RemoteServer to check when a user makes an Access-Request. If you want the script to apply to all users, irrespective of the NAS they are using, place the script at the **Radius** level.



See Chapter 7, "Using Extension Points," for sample scripts you can use as a basis for your own scripts.

Choosing the Scripting Point

Step 1 Run the **aregcmd** command:

aregcmd

Step 2 Use the **cd** command to change to the **Scripts** object:

cd /Radius/Scripts

Step 3 Use the **add** command to add the new script, specifying the name, description, language, filename and an optional entry point. If you do not specify an entry point, Prime Access Registrar uses the script's name.

The following example specifies the name ParseRemoteServers, the language Rex, the filename libParseRemoteServers.so, and the entry point ParseRemoteServers:

add ParseRemoteServers "Remote Server Script" RexlibParseRemoteServers.so ParseRemoteServers

Step 4 Use the **cd** command to change to the appropriate object level. The following example changes to the server level:

cd /Radius

Step 5Use the set command to set the incoming script. The following example sets the script,
ParseRemoteServers, at the server level:

set IncomingScript ParseRemoteServers

Step 6 Use the **save** command to save your changes:

save

Step 7 Use the **reload** command to reload the server.

reload

Configuring Session Management

You can use session management to track user sessions, and/or allocate dynamic resources to users for the lifetime of their sessions. You can define one or more Session Managers, and have each one manage the sessions for a particular group or company.

Configuring a Resource Manager

Session Managers use Resource Managers, which in turn manage a pool of resources of a particular type. The Resource Managers have the following types:

- **IP-Dynamic**—manages a pool of IP address and allows you to dynamically allocate IP addresses from that pool of addresses
- IP-Per-NAS-Port—allows you to associate NAS ports to specific IP addresses, and thus ensure specific NAS ports always get the same IP address
- IPX-Dynamic—manages a pool of IPX network addresses
- **Gateway Subobject**—includes a list of names of the Frame Relay Gateways for which to encrypt the session key.
- Group-Session-Limit—manages concurrent sessions for a group of users; that is, it keeps track of
 how many sessions are active and denies new sessions after the configured limit has been reached.
- User-Session-Limit—manages per-user concurrent sessions; that is, it keeps track of how many sessions each user has, and denies the user a new session after the configured limit has been reached.
- USR-VPN—allows you to set up a Virtual Private Network (VPN) using a US Robotics NAS. (A Virtual Private Network is a way for companies to use the Internet to securely transport private data.)
- IP Address Pool—allows you to manage pool of dynamic IP addresses
- On-Demand Address Pool—allows you to manage pool of IP dynamic subnet address
- Session Cache—allows you to cache additional attributes to existing session and supports the identity cache feature
- Home-Agent—manages a pool of on-demand IP addresses
- Home-Agent-IPv6—manages a pool of on-demand IPv6 addresses
- Subnet-Dynamic—supports the On Demand Address Pool feature

- Dynamic-DNS—manages the DNS servers
- Remote-IP-Dynamic—manages a pool of IP addresses that allows you to dynamically allocate IP addresses from a pool of addresses. It internally works with a remote ODBC database.
- Remote-User-Session-Limit—manages per-user concurrent sessions; that is, it keeps track of how
 many sessions each user has and denies the user a new session after the configured limit has been
 reached. It internally works with a remote ODBC database.
- **Remote-Group-Session-Limit**—manages concurrent sessions for a group of users; that is, it keeps track of how many sessions are active and denies new sessions after the configured limit has been reached. It internally works with a remote ODBC database
- **Remote-Session-Cache**—allows you to define the RADIUS attributes to store in cache. It should be used with session manager of type 'remote'.
- **3GPP**—supports HLR and/or HSS.

Each Resource Manager is responsible for examining the request and deciding whether to allocate a resource for the user, pass the request through, or cause Prime Access Registrar to reject the request.

Table 3-6 provides an overview of the process. The following sections describe the process in more detail.

Object	Action
ResourceManagers	Add new ResourceManager
	Set type (Group-Session-Limit)
	Set value (100)
SessionManagers	Add new SessionManager
	Set ResourceManager
Radius	Set DefaultSessionManager

Table 3-6 Configuring ResourceManagers

Creating a Resource Manager

You can use the default Resource Managers as models for any new Resource Managers you want to create. The following describes how to create a Resource Manager that limits the number of users to 100 or less at any one time.

Step 1 Run the **aregcmd** command:

aregcmd

Step 2 Use the cd command to change to the **ResourceManagers** level:

cd /Radius/ResourceManagers

Step 3 Use the **add** command to add a new ResourceManager. The following example adds the ResourceManager rm-100:

add rm-100

Step 4 Use the **cd** command to change to the ResourceManager you have just created:

cd rm-100

Step 5 Use the **set** command to set the type:

set type Group-Session-Limit

Step 6 Use the set command to set the number of GroupSessionLimit to 100:

set GroupSessionLimit 100

Configuring a Session Manager

After you create a Resource Manager, you must associate it with the appropriate Session Manager.

Creating a Session Manager

Step 1	Run the aregcmd command:
	aregcmd
Step 2	Use the cd command to change to the SessionManagers level:
	cd /Radius/SessionManagers
Step 3	Use the add command to add a new SessionManager. The following example adds the SessionManager sm-1:
	add sm-1
Step 4	Use the cd command to change to the SessionManager/ResourceManagers property:
	cd sm-1/ResourceManagers
Step 5	Use the set command to specify the ResourceManagers you want tracked per user session. Specify a number and the name of the ResourceManager. Note, you can list the ResourceManager objects in any order.
	set 1 rm-100

Enabling Session Management

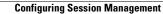
Prime Access Registrar, by default, comes configured with the sample SessionManagement **session-mgr-1**. You can modify it or change it to the new SessionManager you have created.



When you want the Session Manager to manage the resources for all Access-Requests Prime Access Registrar receives, set the RADIUS DefaultSessionManager to this Session Manager. When you want a Session Manager to manage the resources of a particular object, or to use multiple Session Managers, then use an incoming script at the appropriate level.

Configuring Session Management

Step 1	Run the aregcmd command:
	aregcmd
Step 2	Use the cd command to change to the Radius level:
	cd /Radius
Step 3	Use the set command to set the DefaultSessionManager to the name you have just created:
	set DefaultSessionManager sm-1
Step 4	Use the save command to save your changes:
	save
Step 5	Use the reload command to reload the Prime Access Registrar server.
	reload



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