

Managing Dynamic Services

You can integrate the IMS AAA Server to support management of services on RADIUS-enabled devices in an SRC network. The IMS AAA Server will act as a proxy to intercept messages between the NAS device and the RADIUS server so that the SRC software does not need to know device details. You can configure the services, policies, and parameters with the SRC software independent of the NAS device. The SRC software communicates with the IMS AAA Server using Diameter messages to dynamically manage services for a subscriber session. The IMS AAA Server converts the Diameter messages to RADIUS messages and makes dynamic RADIUS requests to the NAS device.

The SRC software includes a Diameter server that forwards AAR, ACR, and STR messages from the IMS AAA Server to the AAA device driver in the SAE and that forwards PPR and ASR messages from the AAA device driver to the IMS AAA Server. These Diameter messages perform these functions:

- AAR—Attach subscriber to access network
- ACR—Provide accounting information
- ASR—Disconnect subscriber
- PPR—Start, modify, or stop service session; send message routing configuration
- STR—Detach subscriber from access network

You configure NAS groups and a AAA device driver for each NAS group hosted by the SAE. You also configure the services, policies, and parameters that the IMS AAA Server will use for service activation on the NAS device. You will need to provide specific information for the custom router template on the IMS AAA Server.

The custom router template (deviceModels.xml) lists the parameters needed for service activation on a NAS device (controlledDeviceModel element in the template). The IMS AAA Server has detailed knowledge about the specific NAS device so that it can use the services, policies, and parameters configured by the SRC software for managing services on the NAS device.

Tasks to set up the management of services on RADIUS-enabled devices are:

- Configure the IMS AAA Server.
- Configure the Diameter application.
- Configure the NAS groups.
- Configure the SAE to manage AAA devices.
- Configure AAA policies.

