

## Overview of the IMS AAA Server Integration

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When the Juniper IMS AAA Server is integrated in the SRC network, the SRC software can use the IMS AAA Server to dynamically manage services on RADIUS-enabled devices. The RADIUS capabilities of the IMS AAA Server allow the SRC software to be aware of the subscriber activity and to make dynamic RADIUS requests using these RADIUS features:

- Authentication, authorization, and accounting (AAA)
- Change-of-authorization (CoA) message
- Disconnect message (DM)

The SRC software communicates with the IMS AAA Server using the DIAMETER protocol. The IMS AAA Server uses RADIUS AAA messages to communicate with the RADIUS server and the Network Access Server (NAS). The IMS AAA Server acts as a proxy to convert Diameter messages to RADIUS messages and vice versa. The IMS AAA Server also performs conversion between Diameter attribute value peers (AVPs) and RADIUS attributes.

When integrated in the SRC network, the IMS AAA Server can provide:

- Device abstraction and shared secrets for the NAS device
- Accounting support for subscriber sessions and service sessions
- CoA and DM support
- Service parameter changes

