

Oracle Communications ASAP Cartridge for Alcatel A5020 Softswitch R3.0.1

The ASAP Cartridge for Alcatel A5020 Softswitch R3.0.1 is an optional software component that enables ASAP to configure Bay Packets Application Server

Supported Services

The ASAP Cartridge Alcatel A5020 Softswitch R3.0.1 supports the following actions to support Call Control and Network Routing actions:

Note that some of these services may be able to combine actions.

Service	Description
Add Point of Presence (POP)	Add a Point of Presence. This domain will hold references to different Remote Access Nodes (RANs)
Modify Point of Presence (POP)	Modify a Point of Presence
Delete Point of Presence (POP)	Delete a Point of Presence
Query Point of Presence (POP)	Query a Point of Presence
Add Remote Access Node (RAN)	Adds a remote access node, which is used to represent a gateway or border element (BE). The gateway may be configured as a voice or IP gateway.
Modify Remote Access Node (RAN)	Modify a remote access node
Delete Remote Access Node (RAN)	Delete a remote access node
Query Remote Access Node (RAN)	Query a remote access node
Add Telco VPN	Add a VPN specific for Telco's. Many AAA Groups may be assigned to a single VPN
Modify Telco VPN	Modify a VPN
Delete Telco VPN	Delete a VPN
Query Telco VPN	Query a VPN

Add AAA Group	Add a VoIP AAA Group. Attributes include Call processing attributes, authentication, authorization and accounting.
Modify AAA Group	Modify an AAA Group
Delete AAA Group	Delete an AAA Group
Query AAA Group	Query an AAA Group
Add VoIP Route Configuration	Add a Route Configuration, which is chosen as a possible path based on references by the Route Configuration Selection. This configuration then references a Route Block which references a set of possible routes
Modify VoIP Route Configuration	Modify a VoIP Route Configuration
Delete VoIP Route Configuration	Delete a VoIP Route Configuration
Query VoIP Route Configuration	Query a VoIP Route Configuration
Add VoIP Route Block	A Route Block can group up to 10 routes and apply a priority or weighting system to those routes
Modify VoIP Route Block	Modify a VoIP Route Block
Delete VoIP Route Block	Delete a VoIP Route Block
Query VoIP Route Block	Query a VoIP Route Block
Add VoIP Route Block Prefix Range	The VoIP Route Block Prefix Range is used for additional criteria for selecting the best route block. This table is used when E.164 numbers are used to identify the destination
Modify VoIP Route Block Prefix Range	Modify a VoIP Route Block Prefix Range
Delete VoIP Route Block Prefix Range	Delete a VoIP Route Block Prefix Range
Query VoIP Route Block Prefix Range	Query a VoIP Route Block Prefix Range
Add VoIP Route Block Suffix	The VoIP Route Block Suffix is used for additional criteria for selecting the best route block. This table is used when SIP URLs are used to identify the destination. The suffix identifies part of the domain that follows the "@".

Modify VoIP Route Block Suffix	Modify a VoIP Route Block Suffix
Delete VoIP Route Block Suffix	Delete a VoIP Route Block Suffix
Query VoIP Route Block Suffix	Query a VoIP Route Block Suffix
Add VoIP Route	A VoIP Route is added as a possible path to a particular gateway. Routes are accessed when the route blocks are determined and the routes are selected (based on priority/weight). The contents of this table are used to fill the contact header field (in the SIP API message)
Modify VoIP Route	Modify a VoIP Route
Delete VoIP Route	Delete a VoIP Route
Query VoIP Route	Query a VoIP Route

Cartridge Contents

The ASAP Cartridge for Alcatel A5020 Softswitch R3.0.1 includes:

- Common Service Description Layer Commands (CSDLs)
- Atomic Service Description Layer Commands (ASDLs)
- Java methods
- Installation scripts
- Sample work orders
- Cartridge manual

This cartridge can be extended by any of the following:

- Customers
- Systems Integrators
- Oracle Communications Professional Services

The *ASAP Cartridge Development Kit (CDK) for Service Activation* provides guidelines for extending a cartridge.

Technical Specifications

Hardware & Software Requirements

The ASAP Cartridge for Alcatel A5020 Softswitch R3.0.1 is designed to operate with the following hardware and software:

- Alcatel A5020 Softswitch R3.0.1

Network Element Interface

The ASAP Cartridge for Alcatel A5020 Softswitch R3.0.1 by using CORBA as specified by Alcatel.