

Oracle Communications ASAP Cartridge

Feature Specification for Siemens SURPASS hiQ8000 – Network Provisioning

Tech Spec for ASAP Cartridge supporting Siemens HIQ8000 Network Provisioning NE Version 14.0

Cartridge Release: R1.0.0

Vendor: SIEMENS (SI)

Technology: HIQ8000NET

Software Load / Interface Version: 14.0

Protocol: TELNET (CLI Mode)

Rollback Supported: yes

Complexity: Medium

Current NE Interface Specification Reference: Siemens SURPASS hiQ8000 Release 14.0

Reference Manual: hiQ Release 14 Expert Mode Command Reference Guide.pdf

NE Description: The *Siemens SURPASS hiQ8000 device provides the provisioning of network data services onto the hiQ8000 Softswitch solution*

Host Element Definition:

- *Supports multiple connections to the network element*
- *Configurable host ip address and port*
- *Configurable login credentials (userid and password)*
- *Configurable open timeout(connection to NE) and read timeout(on responses from the NE)*
- *Configurable NE_Version identification parameter*

Supported Atomic Actions:

Atomic Action	Description
Add EndPoint.	Add Endpoint to HiQ8000.
Delete EndPoint.	Delete an Endpoint from HiQ8000.
Query EndPoint.	Retrieve an Endpoint from HiQ8000.
Modify EndPoint.	Modify an existing Endpoint on the HiQ8000.
Query All EndPoints	Retrieve all Endpoints from the HiQ8000.
Add Rate Area.	Add a new Rate Area to the HiQ8000.
Delete Rate Area.	Delete a Rate Area from HiQ8000.
Query Rate Area.	Retrieve a Rate Area from the HiQ8000.
Modify Rate Area	Modify an existing Rate Area on the HiQ8000
Add DN Code.	Add a Directory Number Code to the HiQ8000.
Delete DN Code.	Delete a Directory Number Code from the HiQ8000.
Query DN Code.	Retrieve a Directory Number Code from the HiQ8000.
Modify DN Code.	Modify a Directory Number Code.
Query routes for each destination for the given DN	Retrieve Routes for each Destination for the given Directory Number Code from the HiQ8000
Add Generic Destination.	Add a Generic Destination to the HiQ8000.
Delete Generic Destination.	Delete a Generic Destination from the HiQ8000.
Query Generic Destination.	Retrieve a Generic Destination from the HiQ8000.
Modify Generic Destination.	Modify a Generic Destination on the HiQ8000.
Modify Generic Destination Dialing digits	Modify Generic Destination Dialing digits on the HiQ8000.
Add Route.	Add a Route to the HiQ8000.
Delete Route.	Delete a Route from the HiQ8000.
Query Route.	Retrieve a Route from the HiQ8000.
Modify Route.	Modify a Route on the HiQ8000.
Query All Route of Destination	Retrieve All Routes of the Destination from the HiQ8000
Add End Point Alias	Add Endpoint Alias to the Endpoint to HiQ8000
Query End Point Alias	Retrieve Endpoint Alias of the Endpoint from the HiQ8000
Delete End Point Alias	Delete Endpoint Alias of the Endpoint from the HiQ8000

Cartridge Deliverables

Software:

- Atomic Actions (for testing purposes)
- Service Actions (for testing purposes)
- Action Processors
- Connection Handlers



- Installation script
- Sample Network Element Configuration
- Sample Work Orders

Documentation:

- Cartridge Guide: Containing descriptions of the following items:
 - Atomic Actions
 - Service Actions
 - Installation Procedures
 - Sample Network Element Configuration

- Cartridge Release Record: Indicating the software used during the certification process of the product.