

Oracle Communications

Cartridge Feature Specification for OpenWave MAG6 WAP Gateway (Mobile Access Gateway)

Vendor: *OpenWave*

Technology: *MAG*

Software Load / Interface Version: *6.3.1.14*

Protocol: *SOAP / HTTP*

Rollback Supported: *Yes*

Complexity: *High*

NE Interface Specification: *OPENWAVE MAG 6.3 Constellation*

SSPM Schema Document, Version: 1.0, Date: 30 April 2004; OPENWAVE WAP (MAG6)

Provisioning Software Requirement Specification, Version: 1.0, Draft: 9 , Date: 16 December 2005; Openwave Subscriber and Service Plan Manager - WSDL Interface Guide, Release 3.1, Date:16 December 2004

NE Description: *This network element provides WAP services to mobile subscribers and integrates internet and mobile phone services, allowing subscribers to send and receive email and to access web pages.*

Host Element Definition:

- Supports multiple connections to the network element
- Configurable login credentials (Host IP Address and Port)
- Configurable connection timeout
- Configurable read timeout (on responses from the NE)

Supported Atomic Actions

Device Operations:

Atomic Action	Description
Create Device	Creates a new device with the given Attributes
Delete Device	Deletes an existing device
Add Device Attributes	Adds attributes to a device
Remove Device Attributes	Removes attributes from a device

Modify Device Attributes	Changes values for attributes of an existing Device
Set Device Status	Sets the device status
Set Device Info	Sets metadata for a device
Get Device Info	Returns details about a device
Get Device Attributes	Returns attributes for a device
Get Device Identity	Retrieves the value of the specified identity Attribute
Search Devices	Lists the devices defined under the specified Provider
Add Device Plan Subscriptions	Adds one or more plan subscriptions to a Device
Remove Device Plan Subscriptions	Removes one or more plan subscriptions from a device
Evaluate Device COS	Evaluates the class-of-service (COS) attributes of a device
Evaluate Device Service COS	Evaluates the COS attributes for a specific set of services

Subscriber Operations:

Atomic Action	Description
Create Subscriber	Creates a new subscriber with the given Attributes
Delete Subscriber	Deletes an existing subscriber and the devices the subscriber owns
Delete Subscriber by Identity	Combines the GetSubscriberInfo, SetSubscriberStatus, and DeleteSubscriber Operations
Add Plan Subscriptions	Adds one or more plan subscriptions to a Subscriber
Remove Plan Subscriptions	Removes one or more plan subscriptions from a subscriber
Modify Subscriber Attributes	Changes values for attributes of an existing Subscriber
Modify Subscriber Attributes by Identity	Combines the GetSubscriberInfo and ModifySubscriberAttrs operations
Add Subscriber Attributes	Adds attributes to a subscriber
Add Subscriber Attributes by Identity	Combines the GetSubscriberInfo and AddSubscriberAttrs operations
Remove Subscriber Attributes	Removes attributes from a subscriber

Set Subscriber Status	Sets the subscriber status
Set Subscriber Status by Identity	Combines the <code>GetSubscriberInfo</code> and <code>SetSubscriberStatus</code> operations
Get Subscriber Info	Returns details about a subscriber
Set Subscriber Info	Sets metadata for a subscriber
Set Subscriber Info By Identity	Combines the <code>GetSubscriberInfo</code> and <code>SetSubscriberInfo</code> operations
Get Subscriber Attributes	Returns attributes for a subscriber
Get Subscriber Identity	Retrieves the value of the specified identity Attribute
Evaluate COS	Evaluates the class-of-service (COS) attributes of a subscriber
Evaluate Service COS	Evaluates the COS attributes for a specific set of services
Search Subscribers	Lists the subscribers defined under the specified provider
Get Subscribed Plans	Lists the subscribers defined under the specified plans

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.

Customer Acceptance of this Cartridge Feature Specification

Customer representative authorised to accept:

Signature:

Date: