



CHAPTER 2

Understanding Provision Web Service Interface

This chapter describes the Mediation provision web service interfaces for HCM. You can provision and manage:

- Customer Data Services
- Site Data Services
- Subscriber Data Services

This chapter contains the following sections:

- [Provision Data Services, page 2-2](#)
- [Provision Customer Data Services, page 2-2](#)
- [Provision Site Data Services, page 2-4](#)
- [Provision Subscriber Data Services, page 2-7](#)

Provision Data Services

The Mediation layer exposes SID-based northbound data service interfaces to provision and monitor Unified Communications (UC) services.

[Table 2-1](#) lists the data services that you can provision and the description.

Table 2-1 Provision Data Services

Data Service	Description
Provision Customer	Allows you to retrieve customer objects and application instances.
Provision Site	Allows you to retrieve customer site resources.
Provision Subscriber	Allows you to retrieve services for customer subscribers.

Provision Customer Data Services

The ProvisionCustomer data service exposes the HCM northbound interface and operations, enabling provision management of the customer infrastructure objects. The section describes the HCM XML API for the ProvisionCustomer data service, which contains the following operations:

listCustomer

- ListCustomerRequest—[Appendix B, “Sample listCustomer XML Request”](#)
- ListCustomerResponse—[Appendix B, “Sample listCustomer XML Response”](#)

This section includes:

- [ListCustomerRequest, page 2-3](#)
- [ListCustomerResponse, page 2-4](#)

See [Appendix A, “HCSProvisionCustomer.wsdl File”](#) for the ProvisionCustomer WSDL file.

ListCustomerRequest

Table 2-2 lists the Entity, Path/Attribute, and Data Types for the ListCustomerRequest operation.

Table 2-2 *ListCustomerRequest*

Entity	Path/Attribute	Data Type	Comments/Validation/Rules
ListCustomerRequest (VOSS sync)			
Customer	ListCustomerRequest/Customer	Customer	—
	partyRoleId	String	<p>Mandatory. This ID is used for dynamic routing only. You cannot use this ID for selection criteria.</p> <p>To select a particular customer, specify the corresponding criteria in the CharacteristicValue collection.</p> <p>For example, partyRoleId for VOSS.</p>
Customer CharacteristicValues [*]	.../RootEntityDescribedBy	List <i>CharacteristicValue</i>	—
	CharacteristicSpecification/Name	String	<p>The following are the VOSS filter attributes:</p> <ul style="list-style-type: none"> partyRoleId locality
	Value	String	—

ListCustomerResponse

Table 2-3 lists the Entity, Path/Attribute, and Data Types for the ListCustomerResponse operation.

Table 2-3 *ListCustomerResponse*

Entity	Path/Attribute	Data Type	Comments/Validation/Rules
ListCustomerResponse (VOSS)			
Customer [*]	.../Customer	List <i>Customer</i>	VOSS. Customer corresponds to an Enterprise.
	partyRoleId	String	An identifier for the customer
Customer CharacteristicValues [*]	.../RootEntityDescribedBy	List CharacteristicValue	—
	Action	ActionType (Create/Update/Delete)	The operation that need to be performed.
	CharacteristicSpecification/Name	String	Example: CallProcessor, UnifiedMessageProcessor
	Value	String	—
MainContact	.../PartyRoleAssoc[associationType="MainContact"] /partyRole(xsi:type="Contact")	Contact	VOSS—Mandatory.
Individual	.../Party(xsi:type=Individual)	Individual	—
Individual Name	.../IndividualNamedUsing	Individual Name	—
	givenNames	String	First name(s)
	familyNames	String	Last name(s)
PostalAddress	.../PartyRoleContactableVia(xsi:type="PostalContact") /AbstractGeographicAddress (xsi:type="UrbanPropertyAddress")	UrbanPropertyAddress	VOSS
	streetAddress	Array <i>String</i>	VOSS. You can enter up to three lines.
	locality	String	City, town, village.
	stateOrProvince	String	—
	postcode	String	—
	country	String	Three character country code. For example, USA.

Provision Site Data Services

The ProvisionSite data service exposes the HCM northbound interface and operations, enabling provision management of the Site service.

This section describes the HCM XML API for the ProvisionSite data service that contains the following operations:

- listSite
 - ListSiteRequest—[Appendix B, “Sample listSite XML Request”](#)
 - ListSiteResponse—[Appendix B, “Sample listSite XML Response”](#)

This section includes:

- [ListSiteRequest, page 2-6](#)
- [ListSiteResponse, page 2-7](#)

See [Appendix A, “HCSProvisionSite.wsdl File”](#) for the ProvisionSite WSDL file.

See [Appendix B, “Sample ProvisionSite Data Service XML API Requests and Responses”](#) for samples of the outbound request message and inbound server response message.

ListSiteRequest

Table 2-4 lists the Entity, Path/Attribute, and Data Types for the ListSiteRequest operation.

Table 2-4 ListSiteRequest

Entity	Path/Attribute	Data Type	Comments/Validation/Rules
ListSiteRequest (VOSS sync)			
GeographicSite	List GeographicSite Request/ GeographicSite	GeographicSite	—
Customer	.../PlacePartyRoleAssoc [placeRole = "Customer"]/PartyRole(xsi:type =Customer)	Customer	Mandatory. This is used as the selection criteria for sites in VOSS.
	partyRoleId	String	—
GeographicSite CharacteristicValues [*]	.../RootEntityDescribedBy	List <i>CharacteristicValue</i>	—
	CharacteristicSpecification/ Name	String	The following are the VOSS filter attributes: <ul style="list-style-type: none"> • siteID • locality • dialPlanSiteCode
	Value	String	—

ListSiteResponse

Table 2-5 lists the Entity, Path/Attribute, and Data Types for the ListSiteResponse operation.

Table 2-5 ListSiteResponse

Entity	Path/Attribute	Data Type	Comments/Validation/Rules
ListSiteResponse (VOSS)			
Geographic Site [*]	.../GeographicSite	List <i>GeographicSite</i>	VOSS
	Sub-structure of GeographicSite matches the structure of GeographicSite defined in ListSiteRequest .	—	—

Provision Subscriber Data Services

The ProvisionSubscriber data service exposes the HCM northbound interface and operations, enabling provision management of the Subscriber service.

This section describes the HCM XML API for the ProvisionSubscriber data service that contains the following operations:

- listSubscriber
 - listSubscriberRequest—[Appendix B, “Sample listSubscriber XML Request”](#)
 - listSubscriberResponse—[Appendix B, “Sample listSubscriber XML Response”](#)
- listSubscriberProduct
 - listSubscriberProductRequest—[Appendix B, “Sample listSubscriberProduct XML Request”](#)
 - listSubscriberProductResponse—[Appendix B, “Sample listSubscriberProduct XML Response”](#)

This section includes:

- [ListSubscriberRequest](#), page 2-7
- [ListSubscriberResponse](#), page 2-9
- [ListSubscriberProductRequest](#), page 2-10
- [ListSubscriberProductResponse](#), page 2-10

See [Appendix A, “HCSProvisionSubscriber.wsdl File”](#) for the ProvisionSubscriber WSDL file.

See [Appendix B, “Sample ProvisionSubscriber Data Service XML API Requests and Responses”](#) for samples of outbound request message and inbound server response message.

ListSubscriberRequest

Table 2-6 lists the Entity, Path/Attribute, and Data Types of the ListSubscriberRequest operation.

Table 2-6 ListSubscriberRequest

Entity	Path/Attribute	Data Type	Comments/Validation/Rules
ListSubscriberRequest (VOSS sync)			
Subscriber	List Subscriber Request/Subscriber	Subscriber	—
Customer	.../PartyRoleAssoc[associationType = "Customer"]/PartyRole(xsi:type=Customer)	Customer	Mandatory. This is used as the selection criteria for subscribers in VOSS.
	partyRoleId	String	—
Subscriber CharacteristicValues [*]	.../RootEntityDescribedBy	List <i>CharacteristicValue</i>	—
	CharacteristicSpecification/Name	String	The following are the VOSS filter attributes: <ul style="list-style-type: none"> • partyRoleId • siteId And one of the following: <ul style="list-style-type: none"> - givenNames - familyNames - Department
	Value	String	—

ListSubscriberResponse

Table 2-7 lists the Entity, Path/Attribute, and Data Types of the ListSubscriberResponse operation.

Table 2-7 ListSubscriberResponse

Entity	Path/Attribute	Data Type	Comments/Validation/Rules
ListSubscriberResponse (VOSS)			
Subscriber [*]	.../Subscriber	List <i>Subscriber</i>	VOSS
Subscriber	CreateSubscriberRequest/Subscriber	Subscriber	The end user within the enterprise.
	partyRoleId	String	Mandatory. An identifier for the subscriber.
Individual	.../Party(xsi:type=Individual)	Customer	—
IndividualName	.../IndividualNamedUsing	Individual Name	Name of the subscriber.
	givenNames	String	VOSS—Mandatory for the create operation. First names(s).
	familyNames	String	VOSS—Mandatory for the create operation. Last names(s).
Contact Medium [*]	.../PartyRoleContactableVia	Contact Medium [*]	—
Email	...(xsi:type=EmailContact)/eMailAddress	String	—
Phone	...(xsi:type=TelephoneNumber)/number	List <i>Telephone Number</i>	—
	type	String	VOSS—Primary
	number	String	—
Postal Address	locality	String	—
	stateOrProvince	String	—
	postcode	String	—
	country	String	VOSS—Mandatory for the create option.
	timeZone/name	timeZone Enum	For example, GMT-05:00, Eastern (New York)

ListSubscriberProductRequest

Table 2-8 lists the Entity, Path/Attribute, and Data Types of the ListSubscriberProductRequest operation.

Table 2-8 *ListSubscriberProductRequest*

Entity	Path/Attribute	Data Type	Comments/Validation/Rules
ListSubscriberProductRequest (VOSS sync)			
Product	List Subscriber ProductRequest/Product	Product	—
Customer	.../ProductOfInterestTo(xsi:type = "PartyRoleProductInvolvement") [productInvolvementRole="Customer"]/PartyRole(xsi:type=Customer)	Customer	Mandatory
	partyRoleId	String	—
Selection CharacteristicValues [*]	.../RootEntityDescribedBy	List <i>CharacteristicValue</i>	The VOSS filter attribute is partyRoleId (Mandatory).
	CharacteristicSpecification/Name	String	—
	Value	String	—

ListSubscriberProductResponse

Table 2-9 lists the Entity, Path/Attribute, and Data Types of the ListSubscriberProductResponse operation.

Table 2-9 *ListSubscriberProductResponse*

Entity	Path/Attribute	Data Type	Comments/Validation/Rules
ListSubscriberProductResponse (VOSS)			
Product [*]	.../ Product	List <i>Product</i>	VOSS
Result[*]	Result	Entity	Contains the subclass of Entity corresponding to the data returned for the requested CorrelationId.
Product [*]	... (xsi:type="Product")	Product	Response for CorrelationId corresponding to a List Infrastructure Product Request and List Subscriber Product Request.
Geographic Site	.../ProductLocatedVia (xsi:type="Geographic Site")	Geographic Site	—
	ID	String	—

Table 2-9 ListSubscriberProductResponse (continued)

Entity	Path/Attribute	Data Type	Comments/Validation/Rules
Customer	.../ProductOfInterest [productInvolvementRole="Customer"] (xsi:type="PartyRoleProductInvolvement")/PartyRole (xsi:type="Customer)	Customer	—
	partyRoleId	—	—
Subscriber	.../ProductOfInterest [productInvolvementRole="Subscriber"] (xsi:type="PartyRoleProductInvolvement")/PartyRole (xsi:type="Subscriber")	Subscriber	—
	partyRoleId	—	—
Product Specification	.../ProductSpecification	ProductSpecification	—
	productId	String	—
ProductCharacteristicValue [*]	.../ProductCharacteristicValue	List <i>ProductCharacteristicValue</i>	Product characteristics for the product as specified in the order.
	Value	String	—
Product Characteristic Type	.../ProdCharSpecDescribesProductCharacteristicValue	ProdCharSpecDescribesProductCharacteristicValue	—
	ID	String	—
Sub-Product CharacteristicValue [*]	.../ ProductCharacteristicValueRelationship/ ProductCharacteristicValue	List <i>ProductCharacteristicValue</i>	—
	ProdSpecCharDescribesProdCharacteristicValue/ ID	String	—
	value	String	—
Physical Device	.../BusinessInteractionInvolvesResource (xsi:type= Physical Device)	PhysicalDevice	—
	commonName	String	—
Capability	.../LogicalPhysicalResource [typeofLPDependency = "Capability"]/LogicalResource	LogicalResource	—
	commonName	String	—

