



CHAPTER 3

Web Service Objects

This chapter describes the data types that are defined structures or objects in the ANM Web Services API. Web Service objects perform the following functions:

- Parse input parameters and validate their values
- Invoke the appropriate ANM function
- Assemble the returned result and pass it to the SOAP endpoint
- Handle exceptions from the ANM by reporting the error to the client

This chapter describes the following Web Service objects:

- [DeviceID](#)
- [Vserver](#)
- [Serverfarm](#)
- [Rserver](#)
- [SfRserver](#)
- [Answer](#)
- [DnsRule](#)
- [VMMappingInfo](#)

DeviceID

This section lists and describes the DeviceID object attributes and [Table 3-1](#) lists the mandatory attributes for each device type.

Attribute	Description
name	String value that contains virtual context name.
deviceType	String value that contains the device type.
ipAddress	String value that contains the device IP address.
slot	String value that contains the device slot.
chassisIPAddr	String value that contains the chassis IP address.

Table 3-1 Mandatory Attributes for a Device Type

	DeviceType	name	chassisIpaddr	Ipaddr	slot
ACE Appliance	ACE4710	—	—	Appliance IP address	—
ACE Appliance Virtual Context	VIRTUAL_CONTEXT	VC Name	—	Appliance IP address	—
ACE Module	ACE_BLADE	—	Chassis IP address	—	ACE Module slot
ACE Module Virtual Context	VIRTUAL_CONTEXT	VC Name	Chassis IP address	—	ACE Module slot
CSS	CSS	—	—	CSS IP address	—
CSM	CSM	—	Chassis IP address	—	CSM Module slot
Chassis	CAT_6_K	—	Chassis IP address	—	—



Note

The optional attributes are indicated by the dash (—).

Vserver

This section lists and describes the Vserver object attribute.

Attribute	Description
virtualserverName	String value that contains the virtual name.

Serverfarm

This section lists and describes the Serverfarm object attributes.

Attribute	Description
name	String value that contains the server farm name.
serverFarmType	String value that contains the server farm type.

Rserver

This section lists and describes the Rserver object attributes.

Attribute	Description
name	String value that contains the real server name.
type	String value that contains the real server type.
ipAddress	String value that contains the real server IP address.
state	String value that contains the real server state.
weight	String value that contains the real server weight.

SfRserver

This section lists and describes the SfRserver object attributes.

Attribute	Description
serverfarmName	String value that contains the server farm name.
adminState	String value that contains the SfRserver admin state.
weight	String value that contains the SfRserver weight.
port	String value that contains the SfRserver port.
realserverName	String value that contains the real server name.
ipAddress	String value that contains the real server IP address.

Answer

This section lists and describes the Answer object attributes.

Attribute	Description
name	String value that contains the answer name.
AnswerType	String value that contains the answer type.

DnsRule

This section lists and describes the DnsRule object attributes.

Attribute	Description
name	String value that contains the DNS rule name.
DnsRuleType	String value that contains the DNS rule type.

VMMappingInfo

This section lists and describes the VMMappingInfo object attributes.

Attribute	Description
Sfrserver	String value that contains SfRserver Web Service object.
deviceID	String value that contains deviceID Web Service object.