



APPENDIX **B**

Prime Provisioning XML Reference

This appendix contains an alphabetical listing of the XML rules, tags, and attributes that are used in the XML files used for Prime Provisioning Discovery.

For a detailed description of the XML files and XML examples, see [Appendix E, “Inventory - Discovery.”](#)

Table B-1 *IPrime Provisioning XML Rules, Tags, and Attributes*

Tag	Description
<as-number>	Specifies the autonomous system (AS) number for the provider. The AS number can be an integer between 1 and 65535.
<CDP>	Starts a <CDP> tag. The <CDP> tag specifies an seed IP address and a hop count. The <CDP> tag must contain the following attributes: <ul style="list-style-type: none">• ipaddress• hop
<connection>	Starts a <connection> tag. The <connection> tag must specify the following attributes: <ul style="list-style-type: none">• discovery-protocol• fromDevice• FromIP• FromInterface• toDevice• toIP• toIF
<create-customer>	Starts a create-customer rule. The create-customer rule creates a region object. the create-customer rule must contain the following tags: <ul style="list-style-type: none">• <customer-name>• <create-site>

Table B-1 IPrime Provisioning XML Rules, Tags, and Attributes (continued)

Tag	Description
<create-provider>	<p>Starts a create-provider rule. The create-provider rule creates a service provider object.</p> <p>The create-provider rule must contain the following tags:</p> <ul style="list-style-type: none"> • <provider-name> • <as-number> • <create-region>
<create-region>	<p>Starts a create-region rule. The create-region rule creates a region object. The create-region rule must contain a region-name tag.</p>
<create-site>	<p>Starts a create-site rule. The create-site rule must contain a <site-name> tag.</p>
<customer-name>	<p>Specifies a customer name. Required within the create-customer rule.</p>
<device>	<p>Starts a <device> tag. The <device> tag must contain the following tags:</p> <ul style="list-style-type: none"> • <device-name> • <ip-address> <p>The following tags are optional within the <device> tag:</p> <ul style="list-style-type: none"> • <system-object-id> • <snmp-info>
<device-name>	<p>Specifies the name of the device. Required within the <device> tag.</p>
<DISCOVERY_METHOD>	<p>Starts a <DISCOVERY_METHOD> tag. The <DISCOVERY_METHOD> tag must contain a <CDP> tag.</p>
discovery-protocol	<p>Specifies the Discovery protocol used to discover the network topology. Normally, this is “CDP.”</p>
fromDevice	<p>Specifies the name of the device from which the Named Physical Circuit starts. Required attribute for the <connection> tag.</p>
FromInterface	<p>Specifies the name of the device interface from which the Named Physical Circuit starts. Required attribute for the <connection> tag.</p>
FromIP	<p>Specifies the management IP address of the device from which the Named Physical Circuit starts. Required attribute for the <connection> tag.</p>

Table B-1 *IPrime Provisioning XML Rules, Tags, and Attributes (continued)*

Tag	Description
hop	Specifies the number of hops from the device identified by the ipaddress attribute to go in discovering devices. Required attribute for the <CDP> tag.
ipaddress	Specifies the IP address of a seed device. Required attribute for the <CDP> tag.
<ip-address>	Specifies the IP address of the device. Required within the <device> tag.
<provider-name>	Specifies the name of the provider.
<region-name>	Specifies the name of a region.
<ro-community>	Specifies the level of SNMP access for the device. Normally, this should be “public.” Required within the <snmp-info> tag.
<site-name>	Specifies a site name.
<snmp-info>	Specifies SNMP information for the device. The <snmp-info> tag must contain a <ro-community> tag. Optional within the <device> tag.
<system-object-id>	(optional) Can be included to specify the SNMP Object ID (OID) for the device. If this is provided, it is specified within the <device> tag.
toDevice	Specifies the name of the device to which the Named Physical Circuit connects. Required attribute for the <connection> tag.
toIF	Specifies the device interface on the device to which the Named Physical Circuit connects. Required attribute for the <connection> tag.
toIP	Specifies the management IP address of the device from which the Named Physical Circuit connects. Required attribute for the <connection> tag.

