



# 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.

**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>	<p>Starts a &lt;CDP&gt; tag. The &lt;CDP&gt; tag specifies an seed IP address and a hop count.</p> <p>The &lt;CDP&gt; tag must contain the following attributes:</p> <ul style="list-style-type: none"> <li>• <b>ipaddress</b></li> <li>• <b>hop</b></li> </ul>
<connection>	<p>Starts a &lt;connection&gt; tag. The &lt;connection&gt; tag must specify the following attributes:</p> <ul style="list-style-type: none"> <li>• <b>discovery-protocol</b></li> <li>• <b>fromDevice</b></li> <li>• <b>FromIP</b></li> <li>• <b>FromInterface</b></li> <li>• <b>toDevice</b></li> <li>• <b>toIP</b></li> <li>• <b>toIF</b></li> </ul>
<create-customer>	<p>Starts a <b>create-customer</b> rule. The <b>create-customer</b> rule creates a region object. the create-customer rule must contain the following tags:</p> <ul style="list-style-type: none"> <li>• <b>&lt;customer-name&gt;</b></li> <li>• <b>&lt;create-site&gt;</b></li> </ul>

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

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

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

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

