



## CHAPTER 6

# PCSP Objects – XML Example (PUT)

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Revised: September 10, 2008, OL-15975-04

## WSUS

User level security or Web Services User Security (WSUS) is a separate service offering that enables Cisco BTS 10200 Softswitch user security within the confines of PacketCable provisioning.

## PcspCms

This section provides an example of PcspCms Extensible Markup Language (XML).

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
  Copyright (c) 2005-2007 by Cisco Systems, Inc.
-->
<PcspObj>
  <!--PcspCms is the only service supported by BTS10200-->
  <EntityName>PcspCms</EntityName>
  <!--Subscriber Id-->
  <Key>brandontsapaddr</Key>
  <!--Create new object-->
  <CmdStatus>1</CmdStatus>
  <!--XMLEncoding as per PCSP Data Model Schema or 0 (null)-->
  <XmlEncoding>

  <![CDATA[
    <PcspCms>
      <CmsFqdn>brandontsapaddr</CmsFqdn>
      <Extension xmlns:ext="http://www.cisco.com/CmsExtension">
        <ext:id>CA147</ext:id>
        <ext:clli>12345678900</ext:clli>
        <ext:mgw_monitoring_enabled>true</ext:mgw_monitoring_enabled>
      </Extension>
    </PcspCms>
  ]]>
  </XmlEncoding>
</PcspObj>
```

# PcspMta

This section provides an example of PcspMta XML.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
    Copyright (c) 2005-2007 by Cisco Systems, Inc.
-->
<PcspObj>
  <!--PcspMta is the only service supported by BTS10200-->
  <EntityName>PcspMta</EntityName>
  <!--Subscriber Id-->
  <Key>brandont1</Key>
  <!--Create new object-->
  <CmdStatus>1</CmdStatus>
  <!--XMLEncoding as per PCSP Data Model Schema or 0 (null)-->
  <XmlEncoding>

  <![CDATA[
    <PcspMta>
      <MtaFqdn>brandont1</MtaFqdn>
      <ListenPort>2427</ListenPort>
      <CmtsFqdn>sim-SYS14CA146.ipclab.cisco.com:9146</CmtsFqdn>
      <MtaProfile>c5350-59-140</MtaProfile>
      <Timezone>-0500</Timezone>
      <Protocol>MCGP 1.0 NCS 1.0</Protocol>
      <Codec>1</Codec>
      <IPSecControl>>true</IPSecControl>
      <Extension xmlns:ext="http://www.cisco.com/MtaExtension">
        <ext:id>bdmta</ext:id>
        <ext:aggr_id>c7246-227-77</ext:aggr_id>
        <ext:node>test</ext:node>
        <ext:type>RGW</ext:type>
      </Extension>
    </PcspMta>
  ]]>

  </XmlEncoding>
</PcspObj>
```

# PcspService

This section provides an example of PcspService XML.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
    Copyright (c) 2005-2007 by Cisco Systems, Inc.
-->
  <PcspObj>
    <!--PcspService is the only service supported by BTS10200-->
    <EntityName>PcspService</EntityName>
    <!--Subscriber Id-->
    <Key>2146255555</Key>
    <!--Create new object-->
    <CmdStatus>1</CmdStatus>
    <!--XMLEncoding as per PCSP Data Model Schema or 0 (null)-->
    <XmlEncoding>

    <![CDATA[
      <PcspService xmlns="http://www.cablelabs.com/Pcsp/I01/schema"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:pcsp="http://www.cablelabs.com/Pcsp/I01/schema">
        <ServiceId format="NSN">2146255555</ServiceId>
        <AdminStatus>1</AdminStatus>
        <BillingId>2146255555</BillingId>
        <ExternalId>brandontest</ExternalId>
        <IsPrimary>true</IsPrimary>
        <PrimaryRing>R1</PrimaryRing>
        <DisplayName>John Q Public</DisplayName>
        <DisplayNumber>2146255555</DisplayNumber>
        <Password>45hjg3j6gkg6h54j6gkj3g6</Password>
        <Announcements>
          <Language>EN</Language>
          <Timezone>+0500</Timezone>
        </Announcements>
        <InterExchange>
          <PIC>0123</PIC>
          <LPIC>0123</LPIC>
          <IPIC>0123</IPIC>
        </InterExchange>
        <LNP>
          <PortingStatus>0</PortingStatus>
          <LNPT>0</LNPT>
        </LNP>
        <ListOfCallFeatures>
          <CfAC>
            <Subscribed>true</Subscribed>
            <AdminStatus>1</AdminStatus>
          </CfAC>
          <CfCFBL>
            <Subscribed>true</Subscribed>
            <AdminStatus>1</AdminStatus>
            <UserParams>
              <Active>true</Active>
              <Always>0</Always>
              <ForwardTo>9785551212</ForwardTo>
            </UserParams>
          </CfCFBL>
        </ListOfCallFeatures>

        <Extension xmlns:ext="http://www.cisco.com/ServiceExtension">
          <ext:account_id>test</ext:account_id>
          <ext:address1>test</ext:address1>
        </Extension>
      </PcspService>
    </CDATA[
    </XmlEncoding>
  </PcspObj>
```

```

    <ext:address2>test</ext:address2>
    <ext:city>test</ext:city>
    <ext:country>test</ext:country>
    <ext:esrn>2345</ext:esrn>
    <ext:forced>true</ext:forced>
    <ext:grp>true</ext:grp>
    <ext:immediate_release>true</ext:immediate_release>
    <ext:sdt_mwi>true</ext:sdt_mwi>
    <ext:send_bdn_as_cpn>true</ext:send_bdn_as_cpn>
    <ext:send_bdn_for_emg>true</ext:send_bdn_for_emg>
    <ext:state>test</ext:state>
    <ext:sub_profile_id>tb14-cable</ext:sub_profile_id>
    <ext:terminating_immediate_rel>test</ext:terminating_
immediate_rel>
    <ext:usage_sens>true</ext:usage_sens>
    <ext:vmwi>true</ext:vmwi>
    <ext:zipcode>75082</ext:zipcode>
    <ext:billing_type>FR1</ext:billing_type>
    <ext:category>INDIVIDUAL</ext:category>
    <ext:cwt_type>WT1</ext:cwt_type>
    <ext:offhook_trigger_type>NONE</ext:offhook_trigger_type>
    <ext:ohd_timer>0</ext:ohd_timer>
    <ext:privacy>FULL</ext:privacy>
    <ext:term_type>NONE</ext:term_type>
    <ext:ListOfServicePkg>
      <ext:pkgid>bus-gold</ext:pkgid>
      <ext:pkgid>ivr</ext:pkgid>
    </ext:ListOfServicePkg>
  </Extension>

</PcspService>
  ]>
</XmlEncoding>
</PcspObj>

```

# PcspEndpoint

This section provides an example of PcspEndpoint XML.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
    Copyright (c) 2005-2007 by Cisco Systems, Inc.
-->
<PcspObj>
  <!--PcspEndpoint is the only service supported by BTS10200-->
  <EntityName>PcspEndpoint</EntityName>
  <!--Subscriber Id-->
  <Key>DS/S-0/DS1-24/12@c8880-227-01.ipclab.cisco.com</Key>
  <!--Create new object-->
  <CmdStatus>1</CmdStatus>
  <!--XMLEncoding as per PCSP Data Model Schema or 0 (null)-->
  <XmlEncoding>

  <![CDATA[
    <PcspEndpoint>
      <EndpointId>DS/S-0/DS1-24/12@c8880-227-01.ipclab.cisco.com</EndpointId>
      <AdminStatus>2</AdminStatus>
      <Protocol>MtaDefault</Protocol>
      <Codec>2</Codec>
      <IPSecControl>true</IPSecControl>
      <Extension xmlns:ext="http://www.cisco.com/EndpointExtension">
        <sub_id>215-224-2234</sub_id>
      </Extension>
    </PcspEndpoint>
  ]]>

  </XmlEncoding>
</PcspObj>
```

# PcspCiscoBtsCli

This section provides two examples of PcspCiscoBtsCli XML.

## Request Message, Example 1

This section provides the request message example 1.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
  Copyright (c) 2005-2007 by Cisco Systems, Inc.
-->
<PcspObj>
  <!--PcspCiscoBtsCli service supported by BTS10200-->
  <EntityName>PcspCiscoBtsCli</EntityName>
  <!--Subscriber Id-->
  <Key>dn2subscriber</Key>
  <!--CmdStatus is IGNORED-->
  <CmdStatus>1</CmdStatus>
  <!--XMLEncoding as per PCSP Data Model Schema or 0 (null)-->
  <XmlEncoding>

  <![CDATA[
    <CiscoBtsCliObj>
      <Request Verb='show' Noun='dn2subscriber'>
        <Entry Key='limit' Value='2'></Entry>
      </Request>
      <Extension xmlns:ext="http://www.cisco.com/BtsCliExtension">
        <ext:key>535480450</ext:key>
      </Extension>
    </CiscoBtsCliObj>
  ]]>
  </XmlEncoding>
</PcspObj>
```

## Response Message, Example 1

This section provides the response message example 1.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
  Copyright (c) 2005-2007 by Cisco Systems, Inc.
-->
<PcspObj>
  <EntityName>PcspCiscoBtsCli</EntityName>
  <Key>dn2subscriber</Key>
  <CmdStatus>1</CmdStatus>
  <XmlEncoding>
    <CiscoBtsCliObj>
      <Reply id='Reply'>
        <Status>true</Status>
        <Reason>Success: at 2007-11-08 07:20:01 by btsapp Entries 1-2 of 169
        returned.</Reason>
        <Size>2</Size>
        <AbsoluteSize>169</AbsoluteSize>
        <StartRow>1</StartRow>
        <DataTable>
          <Row id='0'>
            <Column id='office_code_index'>2</Column>
            <Column id='dn'>0101</Column>
            <Column id='status'>ASSIGNED</Column>
            <Column id='ring_type'>R1</Column>
            <Column id='lnp_trigger'>N</Column>
            <Column id='np_reserved'>N</Column>
            <Column id='annc_id'></Column>
            <Column id='sub_id'>201-222-0101</Column>
            <Column id='virtual_dn'>N</Column>
            <Column id='cwt_type'>WT1</Column>
            <Column id='admin_dn'>N</Column>
            <Column id='ported_in'>N</Column>
            <Column id='LAST_CHANGED'>2007-10-26 08:27:58</Column>
          </Row>
          <Row id='1'>
            <Column id='office_code_index'>2</Column>
            <Column id='dn'>0102</Column>
            <Column id='status'>ASSIGNED</Column>
            <Column id='ring_type'>R1</Column>
            <Column id='lnp_trigger'>N</Column>
            <Column id='np_reserved'>N</Column>
            <Column id='annc_id'></Column>
            <Column id='sub_id'>201-222-0102</Column>
            <Column id='virtual_dn'>N</Column>
            <Column id='cwt_type'>WT1</Column>
            <Column id='admin_dn'>N</Column>
            <Column id='ported_in'>N</Column>
            <Column id='LAST_CHANGED'>2007-10-26 08:27:58</Column>
          </Row>
        </DataTable>
      </Reply>
      <Extension xmlns:ext="http://www.cisco.com/BtsCliExtension">
        <ext:key>1444850966</ext:key>
        <ext:host_ip_address>10.89.224.178</ext:host_ip_address>
        <ext:host_id>priems16</ext:host_id>
        <ext:timestamp>2008-01-16 11:11:26</ext:timestamp>
      </Extension>
    </CiscoBtsCliObj>
  </XmlEncoding>
</PcspObj>
```

## Request Message, Example 2

This section provides the request message example 2.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
    Copyright (c) 2005-2007 by Cisco Systems, Inc.
-->
<PcspObj>
  <!--PcspCiscoBtsCli service supported by BTS10200-->
  <EntityName>PcspCiscoBtsCli</EntityName>
  <!--Subscriber Id-->
  <Key>trunk_termination</Key>
  <!--CmdStatus is IGNORED-->
  <CmdStatus>1</CmdStatus>
  <!--XMLEncoding as per PCSP Data Model Schema or 0 (null)-->
  <XmlEncoding>

  <![CDATA[
    <CiscoBtsCliObj>
      <Request Verb='status' Noun='trunk_termination'>
        <Entry Key='cic' Value='8'></Entry>
        <Entry Key='tgn_id' Value='30076'></Entry>
      </Request>
    </CiscoBtsCliObj>
  ]]>
  </XmlEncoding>
</PcspObj>
```

## Response Message, Example 2

This section provides the response message example 2.

```
<PcspObj>
  <EntityName>PcspCiscoBtsCli</EntityName>
  <Key>dn2subscriber</Key>
  <CmdStatus>1</CmdStatus>
  <XmlEncoding>
    <CiscoBtsCliObj>
      <Reply id='Reply'>
        <Status>true</Status>
        <Reason>Success: at 2007-11-08 07:26:11 by btsapp Entry 1 of 1
        returned.</Reason>
        <Size>1</Size>
        <AbsoluteSize>1</AbsoluteSize>
        <StartRow>1</StartRow>
        <DataTable>
          <Row id='0'>
            <Column id='tgn_id'>30076</Column>
            <Column id='cic'>8</Column>
            <Column id='RESULT'>ADM configure result in success</Column>
            <Column id='REASON'>ADM executed successfully</Column>
            <Column id='TERM_ADMIN_STATE'>ADMIN_INS</Column>
            <Column id='TERM_OPER_STATE'>Term is available for new calls
            </Column>
            <Column id='TERM_REASON'>No fault reason available</Column>
            <Column id='TRUNK_STATIC_STATE'>ACTV</Column>
            <Column id='TRUNK_DYNAMIC_STATE'>IDLE</Column>
            <Column id='TRUNK_REASON'>NON_FAULTY</Column>
          </Row>
        </DataTable>
      </Reply>
      <Extension xmlns:ext="http://www.cisco.com/BtsCliExtension">
        <ext:key>1444850966</ext:key>
        <ext:host_ip_address>10.89.224.178</ext:host_ip_address>
        <ext:host_id>priems16</ext:host_id>
        <ext:timestamp>2008-01-16 11:20:34</ext:timestamp>
      </Extension>
    </CiscoBtsCliObj>
  </XmlEncoding>
</PcspObj>
```

