



## CHAPTER 8

# PCSP Subscriber Provisioning

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## Provisioning a Subscriber with the Minimum Number of Features

From the PCSP interface, use the following instructions to provision a subscriber with the minimum number of features and extensions and place the subscriber and features and extensions in service.

While the following steps are executed, the PSCP adapter

- Changes termination.id to subscriber-id
- Changes subscriber.mgw-id to termination.mgw-id
- Changes subscriber.term-id to termination.id
- Changes subscriber.term-type to none
- Equips or unequips and places the subscriber-termination in the requested AdminStatus state

---

**Step 1** Add a new MTA (bts: mgw).

```
"put mta"
```

```
CmdStatus=1
```

## Example:

```

<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/CmsExtension">
    <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>

```

**Step 2** Place the MTA in-service.

```
"control mta" in-service
```

## Example:

```

<CiscoBtsCliObj>
  <Request Verb='control' Noun='mgw'>
    <Entry Key='id' Value='brandont1'></Entry>
    <Entry Key='target_state' Value='INS'></Entry>
    <Entry Key='Wait' Value='y'></Entry>
    <Entry Key='mode' Value='FORCED'></Entry>
  </Request>
  <Extension xmlns:ext="http://www.cisco.com/BtsCliExtension">
    <ext:key>1266645536</ext:key>
  </Extension>
</CiscoBtsCliObj>

```

**Step 3** Add a new service (bts: subscriber) with term-type=NONE.

```
"put subscriber"
```

```
CmdStatus=1
```

```
ext:term_type=none
```

**Example:**

```

<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>
  </ListOfCallFeatures>
  <Extension xmlns:ext="http://www.cisco.com/CmsExtension">
    <ext:sub_profile_id>tb14-cable</ext:sub_profile_id>
    <ext:term_type>NONE</ext:term_type>
    <ext:ListOfServicePkg>
      <ext:pkgid>bus-gold</ext:pkgid>
    </ext:ListOfServicePkg>
  </Extension>
</PcspService>

```

**Step 4** Add a new endpoint (bts: termination) and specify the subscriber-id that was added in Step 3.

**"put endpoint"**

**CmdStatus=1**

**ext:sub\_id=<newly\_created\_subscriber\_above>**

**AdminStatus=1 (in-service)**

**Example:**

```

<PcspEndpoint>
  <EndpointId>brandon1@bdmta</EndpointId>
  <AdminStatus>0</AdminStatus>
  <Extension>
    <ext:sub_id>brandontest</ext:sub_id>
    <ext:key>1337593914</ext:key>
  </Extension>
</PcspEndpoint>

```

## Provisioning a Subscriber with a Feature

From the PCSP interface, use the following instructions to provision a subscriber with a feature and place the subscriber and feature in-service.

While the following steps are executed, the PSCP adapter

- Changes termination.id to subscriber-id
- Changes subscriber.mgw-id to termination.mgw-id
- Changes subscriber.term-id to termination.id
- Changes subscriber.term-type to none
- Places the subscriber-termination in the requested AdminStatus state

---

### Step 1 Add a new MTA (bts: mgw).

```
"put mta"
```

```
CmdStatus=1
```

Example:

```
<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/CmsExtension">
    <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>
```

### Step 2 Place the MTA in-service.

```
"control mta" in-service
```

Example:

```
<CiscoBtsCliObj>
  <Request Verb='control' Noun='mgw'>
    <Entry Key='id' Value='brandont1'></Entry>
    <Entry Key='target_state' Value='INS'></Entry>
    <Entry Key='Wait' Value='y'></Entry>
    <Entry Key='mode' Value='FORCED'></Entry>
  </Request>
  <Extension xmlns:ext="http://www.cisco.com/BtsCliExtension">
    <ext:key>1266645536</ext:key>
  </Extension>
</CiscoBtsCliObj>
```

**Step 3** Add a new service (bts: subscriber) with term-type=NONE.

```
"put subscriber"
```

```
CmdStatus=1
```

```
ext:term_type=none
```

Example:

```
<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>45hjj3j6gkg6h54j6gkj3g6</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/CmsExtension">
    <ext:account_id>test</ext:account_id>
    <ext:address1>test</ext:address1>
    <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>

```

**Step 4** Add a new endpoint (bts: termination) and specify the subscriber-id that was added in Step 3.

```
"put endpoint"
```

```
CmdStatus=1
```

```
ext:sub_id=<newly_created_subscriber_above>
```

```
AdminStatus=1 (in-service)
```

Example:

```

<PcspEndpoint>
  <EndpointId>brandon1@bdmta</EndpointId>
  <AdminStatus>0</AdminStatus>
  <Extension>
    <ext:sub_id>brandontest</ext:sub_id>
    <ext:key>1337593914</ext:key>
  </Extension>
</PcspEndpoint>

```

**Step 5** Set the MTA to command status 1.

```
"put mta; CmdStatus=1"
```

---

# Modifying a Subscriber Feature

To modify existing features of a current subscriber, use the following instructions:

Execute a **put service** command for the feature modifications.

**"put service"**

**CmdStatus=2**

Example:

```
<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>45hjj3j6gkg6h54j6gkj3g6</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>
    <CfSPCALL>
      <Subscribed>true</Subscribed>
      <AdminStatus>1</AdminStatus>
      <UserParams>
        <ListOfSpeedDial>
          <SdPair>
            <SdNum>2</SdNum>
            <ServiceId>2762223900</ServiceId>
          </SdPair>
          <SdPair>
            <SdNum>3</SdNum>
            <ServiceId>2762223901</ServiceId>
          </SdPair>
        </ListOfSpeedDial>
      </UserParams>
    </CfSPCALL>
    <CfCND>
      <Subscribed>true</Subscribed>
      <AdminStatus>1</AdminStatus>
    </CfCND>
    <CfACR>
      <Subscribed>true</Subscribed>
      <AdminStatus>1</AdminStatus>
      <UserParams>
        <Active>true</Active>
      </UserParams>
    </CfACR>
  </ListOfCallFeatures>
</PcspService>
```

```
        </UserParams>
      </CfACR>
    </ListOfCallFeatures>
    <Extension xmlns:ext="http://www.cisco.com/CmsExtension">
      <ext:ListOfServicePkg>
        <ext:pkgid>bus-gold</ext:pkgid>
        <ext:pkgid>ivr</ext:pkgid>
      </ext:ListOfServicePkg>
    </Extension>
  </PcspService>
```

## Adding Features to a Subscriber

To add features to an existing subscriber, use the [“Modifying a Subscriber Feature”](#) section on page 8-7.