

使用BroadWorks switchDeviceType功能

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简介

本文档介绍如何使用BroadWorks switchDeviceType功能。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档不限于特定的软件和硬件版本。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

背景信息

在BroadWorks版本23.0及更高版本中，引入了将设备配置文件类型从一种类型切换到另一种类型的机制。

使用选项

此 `switchDeviceType` 可从BWCLI或oci-p命令执行，`SystemDeviceManagementSwitchDeviceTypeDeviceRequest`。

BWCLI

```
AS_CLI/System/Device/IpDeviceMgmt> help switchDeviceType
```

This command is used to switch device profiles from one device type to another.

Parameters description:

attribute : The name of the attribute that scopes the command.

system : This parameter specifies the switch command is issued at the system level.

fromDeviceType : This parameter specifies the original device type.

toDeviceType : This parameter specifies the destination device type.

serviceProvider : This parameter specifies the switch command is issued at the service provider level.

svcProviderId : This parameter specifies the ID of the service provider.

group : This parameter specifies the switch command is issued at the group level.

groupId : This parameter specifies the valid group within the service provider.

systemDeviceProfile : This parameter specifies the switch command is issued for a single device profile at the system level.

deviceName : This parameter specifies the name of the device profile.

svcProvDeviceProfile: This parameter specifies the switch command is issued for a single device profile at the service provider level.

groupDeviceProfile : This parameter specifies the switch command is issued for a single device profile at the group level.

```
=====
switchDeviceType
<attribute>, Choice = {system, serviceProvider, group, systemDeviceProfile,
svcProvDeviceProfile, groupDeviceProfile}
system:
<fromDeviceType>, String {1 to 40 characters}
<toDeviceType>, String {1 to 40 characters}
serviceProvider:
<svcProviderId>, String {1 to 30 characters}
<fromDeviceType>, String {1 to 40 characters}
<toDeviceType>, String {1 to 40 characters}
group:
<svcProviderId>, String {1 to 30 characters}
<groupId>, String {1 to 30 characters}
<fromDeviceType>, String {1 to 40 characters}
<toDeviceType>, String {1 to 40 characters}
systemDeviceProfile:
<deviceName>, String {1 to 40 characters}
<toDeviceType>, String {1 to 40 characters}
svcProvDeviceProfile:
<svcProviderId>, String {1 to 30 characters}
<deviceName>, String {1 to 40 characters}
<toDeviceType>, String {1 to 40 characters}
groupDeviceProfile:
<svcProviderId>, String {1 to 30 characters}
<groupId>, String {1 to 30 characters}
<deviceName>, String {1 to 40 characters}
<toDeviceType>, String {1 to 40 characters}
```

OCI-P命令

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<BroadsoftDocument protocol="OCI" xmlns="C" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
<sessionId xmlns="">SESSIONID</sessionId>
<command xsi:type="SystemDeviceManagementSwitchDeviceTypeDeviceRequest" xmlns="">
```

```

<svcProviderId>YOUR ENT/SP</svcProviderId>
<groupId>YOUR GROUP</groupId>
<deviceName>ORIGINAL DEVICE TYPE</deviceName>
<toDeviceType>NEW DEVICE TYPE</toDeviceType>
</command>
</BroadsoftDocument>

```

XML架构

```

<xs:complexType name="SystemDeviceManagementSwitchDeviceTypeDeviceRequest">
<xs:annotation>
<xs:appinfo>
<bwAppInfo bwtag="_1843b06e76464254bf146a91622df7b4" />
<asDataModeSupported>true</asDataModeSupported>
<amplifyDataModeSupported>true</amplifyDataModeSupported>
<xsDataModeSupported>true</xsDataModeSupported>
</xs:appinfo>
<xs:documentation>
Switch the device type for a specified device.
To switch a system level device profile, serviceProviderId and groupId should not be present.
To switch a service provider level device profile, only serviceProviderId should be specified.
To switch a group level device profile, serviceProviderId and groupId should specified.
The response is either a SuccessResponse or an ErrorResponse.
</xs:documentation>
</xs:annotation>
<xs:complexContent>
<xs:extension base="core:OCIRequest">
<xs:sequence>
<xs:choice minOccurs="0">
<xs:element name="serviceProviderId" type="ServiceProviderId"/>
<xs:sequence>
<xs:element name="svcProviderId" type="ServiceProviderId"/>
<xs:element name="groupId" type="GroupId"/>
</xs:sequence>
</xs:choice>
<xs:element name="deviceName" type="AccessDeviceName"/>
<xs:element name="toDeviceType" type="AccessDeviceType"/>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

实验示例

BWCLI示例

在本示例中，将groupDeviceProfile从Poly_VX_D230设备类型切换为Cisco-CP-78xx-88xx-68xx-3PCC设备类型。

- 添加组设备配置文件Poly_VVX_D230_Switch并分配设备Poly_VX_D230:

```

AS_CLI/System/Device/IpDeviceMgmt> add pws_ent pws_grp Poly_VVX_D230_Switch Poly_VVX_D230
macAddress 678678678678

```

- 将配置文件Poly_VX_D230_Switch切换到Cisco-CP-78xx-88xx-68xx-3PCC:

```

AS_CLI/System/Device/IpDeviceMgmt> switchDeviceType groupDeviceProfile pws_ent pws_grp
Poly_VVX_D230_Switch Cisco-CP-78xx-88xx-68xx-3PCC

```

...Done

[Request for switch is being processed; Rebuild triggered for device type: Cisco-CP-78xx-88xx-68xx-3PCC, please refer to DMEventQueues for completion status.]

日志示例

这是从PSLog中看到的此请求类型的日志示例。

2022.05.26 09:34:57:686 EDT | Info | OCI-P | BCCT Worker #0

Received the following request from: 127.0.0.1:56212

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<BroadsoftDocument protocol="OCI" xmlns="C" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
<sessionId xmlns="">16535720065220.14787900206648874</sessionId>
<command xsi:type="SystemDeviceManagementSwitchDeviceTypeDeviceRequest" xmlns="">
<svcProviderId>pws_ent</svcProviderId>
<groupId>pws_grp</groupId>
<deviceName>Poly_VVX_D230_Switch</deviceName>
<toDeviceType>Cisco-CP-78xx-88xx-68xx-3PCC</toDeviceType>
</command>
</BroadsoftDocument>
```

2022.05.26 09:34:57:711 EDT | FieldDebug | Generic | BCCT Worker #0

OCI Transaction

com.broadsoft.oci.transactions.system.SystemDeviceManagementSwitchDeviceTypeDeviceTransaction write5193 executed.

User: Default Administrator (admin) Authorization Level: System

Start Time: 2022.05.26 09:34:57:687 EDT

End Time: 2022.05.26 09:34:57:711 EDT

Duration: 24 ms

2022.05.26 09:34:57:711 EDT | Info | OCI-P | BCCT Worker #0 | admin

TO 127.0.0.1:56212

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<BroadsoftDocument protocol="OCI" xmlns="C" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
<sessionId xmlns="">16535720065220.14787900206648874</sessionId>
<command echo="" xsi:type="c:SuccessResponse" xmlns:c="C" xmlns=""/>
</BroadsoftDocument>
```

相关信息

- [DeviceProfileTypeCustomizationEnhances-AS-FD](#)
- [思科技术支持和下载](#)

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