

Configure Deployment Mode from HCS to Enterprise Using SOAP API

Contents

Introduction

This document describes how to change the deployment type from Hosted Collaboration Solution (HCS) to Enterprise through a SOAP request.

Problem

As of version 15, Unified Communication Applications (UC Apps) are no longer supported in Hosted Collaboration Solutions (HCS) mode.

For prior versions, there were cop files available to download, which allowed us to easily change deployment mode from Enterprise to HCS and vice versa.

You can find them here:

For versions [lower than 14 SU1](#).

For versions [higher than 14 SU1](#), but not 15.

The issue occurs if you forget to change the deployment type to HCS before an upgrade to version 15, as no official COP file from Cisco permits the change.

Solution

To change solution mode to HCS the only viable option is to use SOAP request.

For this task, you can use the Postman tool.

First, you must confirm the deployment type.

Use this URL in the address field:

`https://CUCM-ADDRESS/platform-services/services/DeploymentModeService`

Use basic authentication with an account that has "Standard AXL API Access" privileges set:

The screenshot shows a REST client interface with the following elements:

- Top bar: **POST** `https://10.20.30.40/platf` + ...
- Header bar: **https://10.20.30.40/platform-services/services/DeploymentModeService** Save
- Request configuration bar: **POST** `https://10.20.30.40/platform-services/services/DeploymentModeService` **Send**
- Tabs: Params **Auth** Headers (9) Body • Pre-req. Tests Settings Cookies
- Auth section:
 - Type: **Basic Auth**
 - Description: The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)
 - Username: `admin`
 - Password: `cisco123` (with a warning icon)

Configure the request type as POST and paste raw code as shown to check the deployment type:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<soapenv:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
<wsa:Action>urn:getDeploymentMode</wsa:Action>
<wsa:ReplyTo>
<wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</wsa:Address>
</wsa:ReplyTo>
<wsa:MessageID>uuid:26634481-3273-4a70-b537-ab4b874e4d6b</wsa:MessageID>
</soapenv:Header>
<soapenv:Body />
</soapenv:Envelope>
```

Verify if this looks as shown in the screenshot:

POST

https://10.20.30.40/platform-services/services/DeploymentModeService

Send

Params

Auth

Headers (9)

Body

Pre-req.

Tests

Settings

Cookies

raw

Text

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
3   <soapenv:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
4     <wsa:Action>urn:getDeploymentMode</wsa:Action>
5     <wsa:ReplyTo>
6       <wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</wsa:Address>
7     </wsa:ReplyTo>
8     <wsa:MessageID>uuid:26634481-3273-4a70-b537-ab4b874e4d6b</wsa:MessageID>
9   </soapenv:Header>
10  <soapenv:Body />
11 </soapenv:Envelope>

```

Click the Send button. The result returned confirms HCS mode.

Body

200 OK

183 ms

1.44 KB

Save Response

Pretty

Raw

Preview

Visualize

XML

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
3   <soapenv:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
4     <wsa:Action>urn:getDeploymentModeResponse</wsa:Action>
5     <wsa:RelatesTo>uuid:26634481-3273-4a70-b537-ab4b874e4d6b</wsa:RelatesTo>
6   </soapenv:Header>
7   <soapenv:Body>
8     <ns:getDeploymentModeResponse xmlns:ns="http://services.api.platform.vos.cisco.com">
9       <ns:return xmlns:ax281="http://element.services.api.platform.vos.cisco.com/xsd" xmlns:ax282="http://api.platform.vos.cisco.com/xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="ax281:DeploymentModeResponse">
10        <ax281:result>internal.request.complete</ax281:result>
11        <ax281:deploymentMode>HCS</ax281:deploymentMode>
12      </ns:return>
13    </ns:getDeploymentModeResponse>
14  </soapenv:Body>
15 </soapenv:Envelope>

```

Now, create a SOAP request to change the deployment type to Enterprise:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
<soapenv:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
<wsa:Action>urn:setDeploymentMode</wsa:Action>
<wsa:ReplyTo xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">

```

```
<wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</wsa:Address>
</wsa:ReplyTo>
<wsa:MessageID>uuid:26634481-3273-4a70-b537-
ab4b874e4d6b</wsa:MessageID>
<wsa:To xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
</wsa:To>
</soapenv:Header>
<soapenv:Body>
<ser:setDeploymentMode>
<ser:args0>Enterprise</ser:args0>
</ser:setDeploymentMode>
</soapenv:Body>
</soapenv:Envelope>
```

Verify if this looks as shown in the screenshot:

POST ▼ | https://10.20.30.40/platform-services/services/DeploymentModeService Send ▼

Params Auth ● Headers (9) Body ● Pre-req. Tests Settings Cookies

raw ▼ Text ▼

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
   xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
   XMLSchema-instance" xmlns:ser="http://services.api.platform.vos.cisco.com">
3 <soapenv:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
4 <wsa:Action>urn:setDeploymentMode</wsa:Action>
5 <wsa:ReplyTo xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
6 <wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</wsa:Address>
7 </wsa:ReplyTo>
8 <wsa:MessageID>uuid:26634481-3273-4a70-b537-
9 ab4b874e4d6b</wsa:MessageID>
10 <wsa:To xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
11 </wsa:To>
12 </soapenv:Header>
13 <soapenv:Body>
14 <ser:setDeploymentMode>
15 <ser:args0>Enterprise</ser:args0>
16 </ser:setDeploymentMode>
17 </soapenv:Body>
18 </soapenv:Envelope>
```

A successful result indicates request completed:

Body ▾

 200 OK 465 ms 1.22 KB [Save Response](#)

Pretty

Raw

Preview

Visualize

XML ▾



```
1 <?xml version='1.0' encoding='UTF-8'?>
2 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
3   <soapenv:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
4     <wsa:Action>urn:setDeploymentModeResponse</wsa:Action>
5     <wsa:RelatesTo>uuid:26634481-3273-4a70-b537-
6 ab4b874e4d6b</wsa:RelatesTo>
7   </soapenv:Header>
8   <soapenv:Body>
9     <ns:setDeploymentModeResponse xmlns:ns="http://services.api.platform.vos.
10      cisco.com">
11       <ns:return xmlns:ax281="http://element.services.api.platform.vos.cisco.
12        com/xsd" xmlns:ax282="http://api.platform.vos.cisco.com/xsd"
13         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
14         xsi:type="ax281:DeploymentModeResponse">
15         <ax281:result>internal.request.complete</ax281:result>
16         <ax281:deploymentMode xsi:nil="true" />
17       </ns:return>
18     </ns:setDeploymentModeResponse>
19   </soapenv:Body>
20 </soapenv:Envelope>
```

Restart the publisher node as the final step of the procedure.