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 <u>lower than 14 SU1</u>.

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.

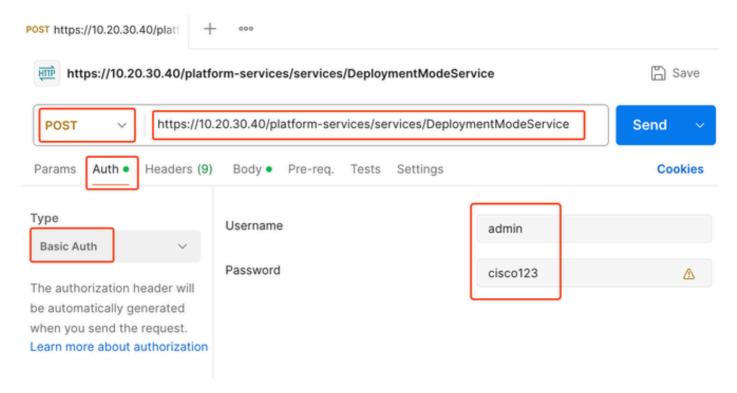
For this task, you can use the Postman tool.

First, you must confirm the deployment type.

Use this URL in the address field:

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

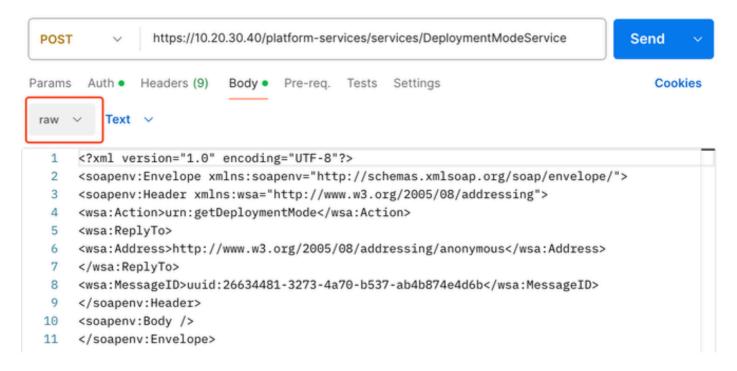
Use basic authentication with an account that has "Standard AXL API Access" privileges set:



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:ReplyTo>
<wsa:ReplyTo>
<wsa:ReplyTo>
<wsa:ResageID>uuid:26634481-3273-4a70-b537-ab4b874e4d6b</wsa:MessageID>
</soapenv:Header>
<soapenv:Body />
</soapenv:Envelope>
```

Verify if this looks as shown in the screenshot:



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

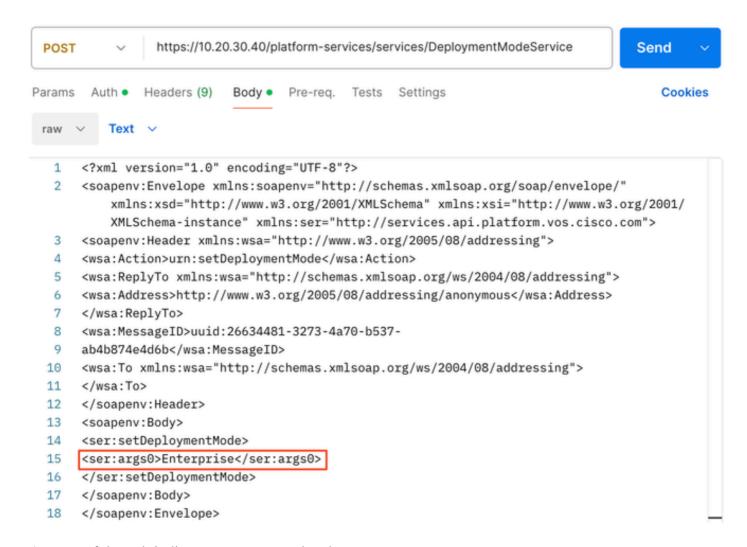
```
Body V
                                                            200 OK 183 ms 1.44 KB
                                                                                    Save Response
  Pretty
           Raw
                               Visualize
                    Preview
                                           XML
       </xml version='1.0' encoding='UIF-8'?>
       <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
   2
   3
            <soapenv:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
   4
                <wsa:Action>urn:getDeploymentModeResponse</wsa:Action>
                <wsa:RelatesTo>uuid:26634481-3273-4a70-b537-ab4b874e4d6b/wsa:RelatesTo>
   5
            </soapenv:Header>
   6
   7
            <soapenv:Body>
   8
                <ns:getDeploymentModeResponse xmlns:ns="http://services.api.platform.vos.</pre>
                    cisco.com">
   9
                    <ns:return xmlns:ax281="http://element.services.api.platform.vos.cisco.</pre>
                        com/xsd" xmlns:ax282="http://api.platform.vos.cisco.com/xsd"
                        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                        xsi:type="ax281:DeploymentModeResponse">
                        <ax281:result>internal.request.complete</ax281:result>
  10
                        <ax281:deploymentMode>HCS</ax281:deploymentMode>
  11
  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/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:setDeploymentMode>
</soapenv:Body>
</soapenv:Body>
</soapenv:Body>
</soapenv:Body>
</soapenv:Envelope>
```

Verify if this looks as shown in the screenshot:



A successful result indicates request completed:

```
XML ~
Pretty
                            Visualize
         Raw
                 Preview
     <?xml version='1.0' encoding='UTF-8'?>
 2
     <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
         <soapenv:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
 3
 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.</pre>
                  <ns:return xmlns:ax281="http://element.services.api.platform.vos.cisco.</pre>
10
                      com/xsd" xmlns:ax282="http://api.platform.vos.cisco.com/xsd"
                      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                      xsi:type="ax281:DeploymentModeResponse">
11
                      <ax281:result>internal.request.complete</ax281:result>
                      <ax281:deploymentMode xsi:nil="true" />
12
                  </ns:return>
13
              </ns:setDeploymentModeResponse>
14
15
         </soapenv:Body>
16
     </soapenv:Envelope>
```

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