This lab exercise demonstration will show how to configure and use the new mixed mode functionality of the RMX that supports both SVC and AVC endpoints in the same conference. This is a new feature introduced in RMX version 8.1.
There are five basic steps to this lab exercise, as outlined in your student guide. First, we will login to an RMX running version 8.1 and verify the SVC license. Then, we will create a conference profile using the new Conferencing Mode of CP and SVC. A new meeting room will be created using this new profile and then we will dial into the conference with both AVC and SVC endpoints. Finally, we will use the RMX Manager application to verify the AVC and SVC connectivity of each endpoint.
Slide notes

The first step is to login to an RMX system running version 8.1 with the SVC license already applied.
Slide notes

Navigate to Administration...
Slide 5

Slide notes

...System Information.
Because SVC is now a licensed feature of the RMX, it is important to examine the license information and verify that SVC is set to True. If SVC is not currently enabled, you will need to retrieve and apply a new Activation Key for this RMX. Click OK to close the System Information window.
Slide notes

Now let's navigate to Conference Profiles, under Rarely Used.
Slide 8

The image shows a screenshot of the Polycom RMX Manager interface with a list of conference profiles. The profiles include:

- Factory_Video_Profile
- Factory_GW_Profile
- Factory_Mix_SVC_CP_Video_Profile

Click the icon to create a new Conference Profile.

Slide notes
Slide 9

...which we will name...
Slide notes

...CP and SVC Profile.
Slide 11

Slide notes

Select an appropriate line rate...
Slide notes

...which in this case will be 1920 kbps.
Slide 13

Slide notes
Now we need to change the Conferencing Mode...
Slide notes
...to the new CP and SVC setting, which will allow the RMX to support both AVC and SVC endpoints in the same conference.
Notice the Gathering Settings and Message Overlay pages are no longer available in a mixed mode conference. The routing name will be set...
Slide notes
to CPandSVC.
Slide notes

Now for a quick look at the Video Quality settings.
Slide notes

We will change the content settings to...
Slide notes

...HiResGraphics to devote more bandwidth to content delivery during the call. Notice the new setting called CustomizedContentRate, which will let you specify the exact amount of bandwidth to be allocated to content.
Slide 20

Click OK to save the new Conference Profile.
Slide 21

Now let's navigate to Meeting Rooms...
Slide 22

...and click the icon to create a new Meeting Room.

Slide notes
Slide 23

Slide notes

Let's rename the new Meeting Room to...
Slide notes

...Mixed Mode Meeting Room.
Slide 25

Be sure to select the new Conference Profile...
Slide notes

...CP and SVC Profile.
Slide 27

Set the conference ID to...
Slide 28

Slide notes

1234.
Slide 29

and click OK to save the new Meeting Room.
Now, let's place an H.323 AVC call from a Group Series endpoint by selecting Manual Dial from the web interface.
Slide 31

The dial string will be...
Slide 32

Slide notes

...7201234 to dial into the new Mixed Mode Meeting Room from this H.323 registered endpoint.
Slide notes

Now change the call speed...
...to 1024 kbps.
Slide notes

And ensure the call type...
Slide notes

...is set to H.323.
Now let's place the AVC call.
Slide notes

Opening RealPresence Desktop, we can now place the SVC call by first changing the call type to SIP.
Slide notes

Next, we can enter the dial string for the Mixed Mode Meeting Room.
Slide 40

Slide notes

with a conference ID of 1234.
Select the Call button to initiate the SVC call.
My RealPresence Desktop device is now connected to the Mixed Mode conference. Let's click the Call Statistics icon for a quick look.
Slide notes

The first two lines in this table show the audio and people channels that have been opened from the RealPresence Desktop endpoint to the RMX. The third line shows the Group Series SVC decoded stream that is being received from the RMX. The Group Series is not sending audio at this time so there is no Audio stream being received. When finished viewing the call statistics, click Close.
Now let’s take a look at the conference participants from the RMX perspective using the RMX Manager application.
Shown here in the Conferences Pane is the Mixed Mode conference with the two active participants. Notice the new icon with the yellow M on a red background to denote that this is a Mixed Mode conference, supporting both AVC and SVC endpoints. Now, let's select the RealPresence Desktop endpoint....
Slide notes

..and right click to...
Slide 47

Slide notes

... to select Participant Properties.
Notice the endpoint type is SVC. Click OK to close the window.
Slide 49

Now let's look at the Group Series endpoint.
Right-click the endpoint...
Slide 51

...and select Participant Properties.
Slide notes

As expected, the endpoint type is AVC for the H.323-connected Group Series endpoint. Click OK to close the window.
Slide notes

We can now terminate the conference directly from the RMX Manager application by selecting the conference from the list...
...and clicking the Delete Conference icon.
Slide 55

Click OK to confirm the action and the conference will terminate.
That concludes the demonstration of this lab exercise. We were able to login to the RMX running version 8.1 and verify the SVC license, create a new conference profile and meeting room, dial into the conference with both AVC and SVC endpoints and verify their connectivity via Participant Properties in the RMX Manager.
Thank you for taking the time to view this lab exercise demonstration.