

Metaswitch SIPREC SIPUA

Orkaudio configuration

Minimum version requirement: x3597

1. Enable the liborksipua.so plugin (comment the default plugin):

```
#vi /etc/orkaudio/config.xml:  
  
Ensure it looks like this:  
<!--<CapturePlugin>libvoip.so</CapturePlugin>-->  
<CapturePlugin>liborksipua.so</CapturePlugin>
```

2. Add this section, if not already present:

```
<SipUAPlugin>  
  <SipMode>SiprecMetaswitch</SipMode>  
  <SdpOfferAnswerMode>true</SdpOfferAnswerMode>  
  <SupportFeatures>resource-priority, siprec</SupportFeatures>  
</SipUAPlugin>
```

Enable Auto-Provision if needed

3. Extract Groups and Service Provider as tags as well as User name:

```
#vi /etc/orkaudio/config.xml  
  
<SipUAPlugin>  
  <SiprecMetaswitchMode>true</SiprecMetaswitchMode>  
  <SdpOfferAnswerMode>true</SdpOfferAnswerMode>  
  <SupportFeatures>resource-priority, siprec</SupportFeatures>  
  <SipRecExtractFields>businessGroup, systemName</SipRecExtractFields>  
  <SipRecReportLocalNameAsTag>true</SipRecReportLocalNameAsTag>  
</SipUAPlugin>
```

4. Update database for Auto-provisioning for Users and Groups:

```
mysql>update orkuserconfig set userAutoProvisioning = true;  
mysql>update orkgrouppconfig set groupAutoProvisioning = true;  
  
If using groupAutoProvisioning the following two settings are also needed.  
  
mysql> update orkgrouppconfig set gapDefaultTagName = "businessGroup";  
mysql> update orkgrouppconfig set gapLevel1TagName = "systemName";
```

Ultimately the changes made to config.xml file could look like this:

```
<SipUAPlugin>
  <SiprecMetaswitchMode>true</SiprecMetaswitchMode>
  <SdpOfferAnswerMode>true</SdpOfferAnswerMode>
  <SupportFeatures>resource-priority,siprec</SupportFeatures>
  <SipRecExtractFields>businessGroup,systemName</SipRecExtractFields>
  <SipRecReportLocalNameAsTag>true</SipRecReportLocalNameAsTag>
</SipUAPlugin>
```

Troubleshooting:

- Check firewall rules and allow connection between recorders and Metaswitch platform. You can check/control SIP and RTP listening address range in recorder configuration
- Ensure Oreka TR server is listening on the provisioned address. We recommend using static IP and referencing the recorder by IP instead of NETBIOS/DNS name

Metaswitch configuration

The minimal version of Metaswitch that supports SIPREC is 9.0.10.

Customers can refer to the following MOP in the Metaswitch community portal for CFS SIPREC configuration details.

<https://communities.metaswitch.com/docs/DOC-152213>

This very procedure (configuration of the Oreka side) is also described in the following MOP:

<https://communities.metaswitch.com/docs/DOC-152214>

Also, some additional information can be found here:

<https://communities.metaswitch.com/docs/DOC-183641>

Implementation details

SIPREC XML fields

- <recordedParty> is the unique user ID (equivalent to BW userID). This field is reported by orkaudio as the localparty.
- <callType> is used for direction detection. Its value is either "originating" or "terminating"
- <userName> is used for firstname + lastname.
- <businessGroup> (equivalent to BW groupID). This field can be reported as a tag for Group Auto-Provisioning (GAP), see above.
- <systemName> (equivalent to BW serviceProviderID). This field can be reported as a tag for Group Auto-Provisioning (GAP), see above.