

XOS ESAM OOB SCTE35 insertion with Postman

1].

XOS settings

Start with XOS SAG GUI

<https://xos-ip>

Select **Configure Channels** app

On the page top right, select **Settings**

Select **Advanced**

ESAM

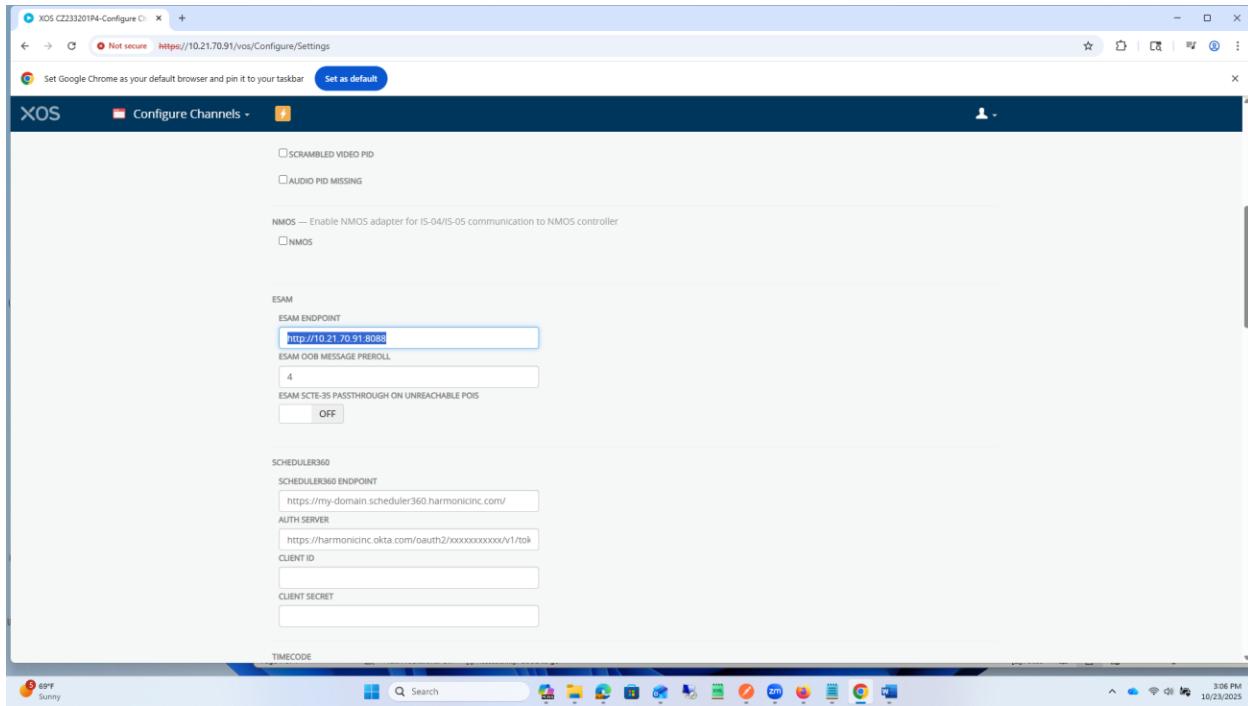
ESAM ENDPOINT field fill in

<http://xos-ip:8088>

for example:

<http://10.21.70.91:8088>

ESAM OOB MESSAGE PREROLL field, fill in: value 4.



2]. XOS Source Settings

From the XOS Web GUI,

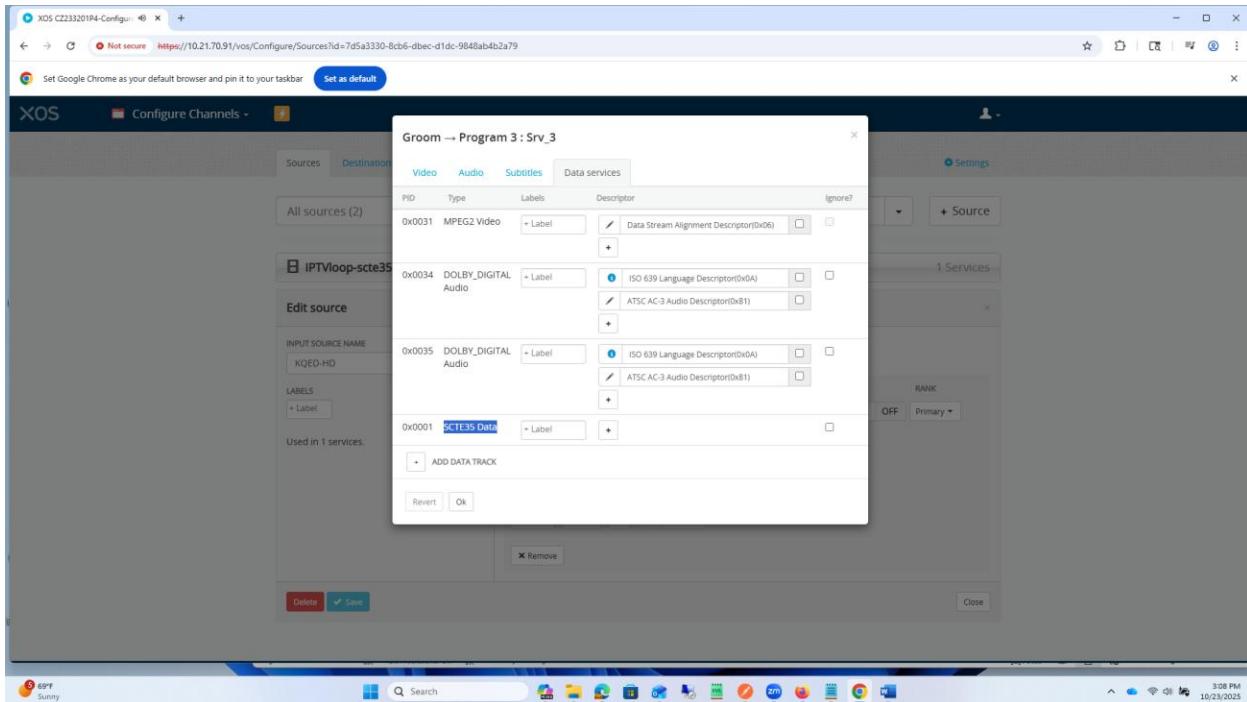
Configure Channels,

Select Sources

For the source you created, in the source Groom,

Select Data services, ADD DATA TRACK for SCTE-35 Data (if it does not exist).

After added SCTE35 Data track, click **OK**, and **Save** the source.



3]. XOS Service Setting

From the XOS Web GUI, select **Configure Channels**, select **Services**

Click the created service,

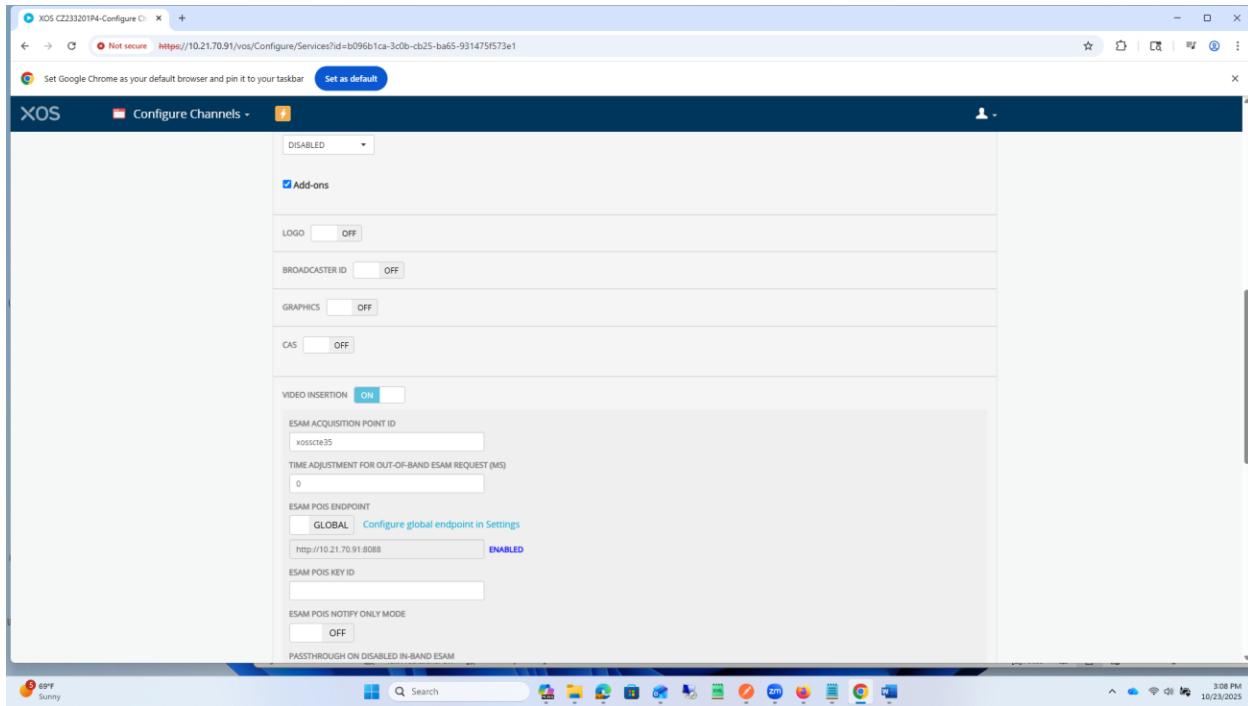
Scroll down to check **Add-ons**

On the **VIDEO INSERTION**, turn it **ON**

In the **ESAM ACQUISITION POINT ID** field, set your esam acquisition point ID: **xosscet35** (for example).

This ID must be unique on the XOS with all services.

Then click **Save**



Activate the service.

4]. POSTMAN Settings

Assuming you are using Postman API tool.

Create your XOS Postman API Collection

Create a POSTMAN post API call with ESAM OOB endpoint <http://xos-ip:8088> (for example <http://10.21.70.91:8088>)

My Workspace

POST http://10.217.0.91:8088 / PostSCTE35

```

1 <signalProcessingNotification xmlns="urn:callable:ipvservices:esam:xsd:signal:1"
2   xmlns:ns1="urn:callable:ipvservices:esam:xsd:manifest:1"
3   xmlns:ns2="urn:callable:ipvservices:esam:xsd:common:1"
4     ns1:signalType="SCTE35" ns1:signalID="1" ns1:version="3.0"
5       ns2:time="2023-10-23T10:10:10Z" ns2:duration="PT1M"
6         ns1:content="This is a test message."/>
7   <ResponseSignal action="create" acquisitionPointIdentity="xscte35" acquisitionSignalID="11b98ada7cc84152be8c1d2ab2900221">
8     <ns3:UTCPPoint utcPoint="{{utc_time}}"/>
9     <ns3:BinaryData signalType="SCTE35">/AC900000000000000000000000000000</ns3:BinaryData>
10    <ns3:UTCPPoint utcPoint="2023-10-23T10:10:10Z" signalType="SCTE35">/AC900000000000000000000000000000</ns3:UTCPPoint>
11  </ResponseSignal>

```

Body Cookies Headers (2) Test Results

200 OK · 11 ms · 75 B · Save Response

Params setting: blank

My Workspace

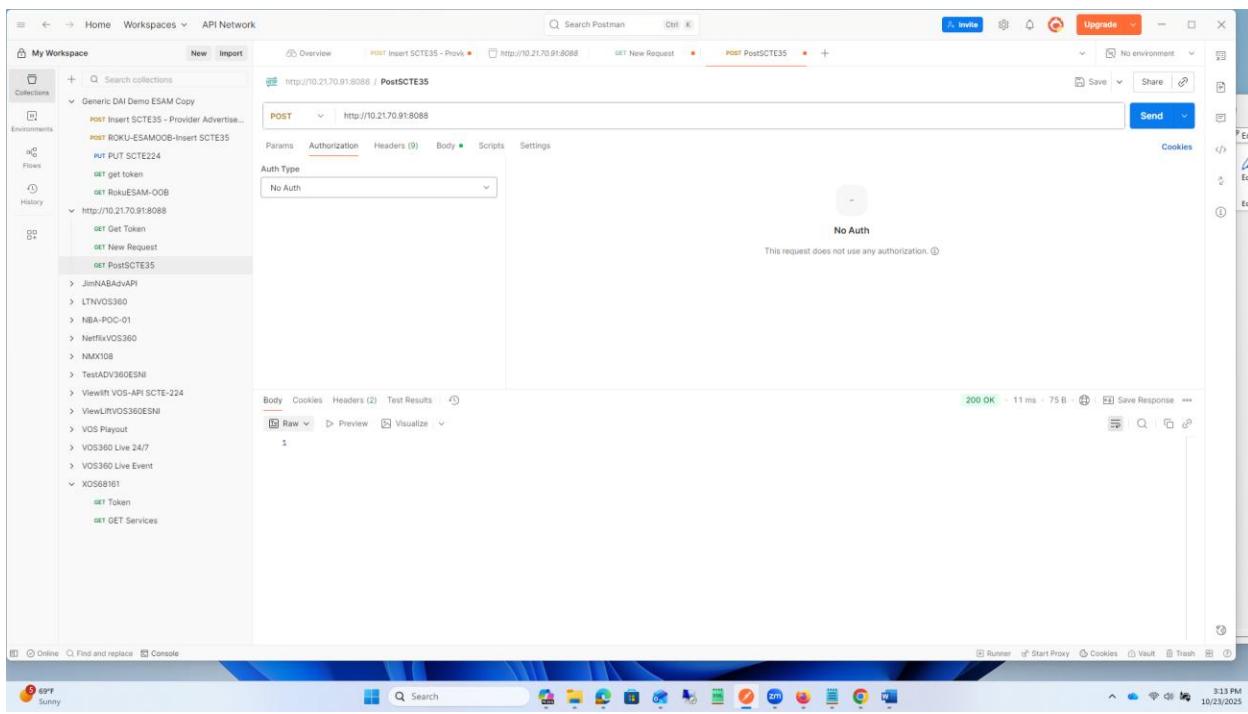
POST http://10.217.0.91:8088 / PostSCTE35

Key	Value	Description
Key	Value	Description

Body Cookies Headers (2) Test Results

200 OK · 11 ms · 75 B · Save Response

Authentication setting: No Auth



Headers settings:

Accept Application/xml

The screenshot shows the Postman application interface. On the left, there's a sidebar with 'My Workspace' containing various API collections and environments. The main area displays a POST request to 'http://10.217.0.91:8088/PostSCTE35'. The 'Headers' tab is selected, showing a single header 'Accept' with the value 'application/xml'. Below the headers, the 'Body' tab is visible. The response section shows a green '200 OK' status with a response time of 11 ms and a body size of 75 B. The bottom of the screen shows the Windows taskbar with the Postman icon.

Script setting: blank

Settings:

This screenshot shows the 'Settings' tab being used for the same POST request. The 'HTTP/1.x' section is expanded, showing two toggle switches: 'SSL certificate verification' (set to 'OFF') and 'Automatically follow redirects' (set to 'ON'). Other settings like 'Follow original HTTP Method' and 'Follow Authorization header' are also visible but not explicitly modified. The rest of the interface is identical to the first screenshot.

5]. API call body

Select raw

The screenshot shows the Postman application interface. On the left, there's a sidebar with 'My Workspace' containing various collections and environments. The main area shows a POST request to 'http://10.217.0.91:8088/PostSCTE35'. The 'Body' tab is selected, and the content type is set to 'HTTP/1x'. The request body is set to 'Raw' and contains the following XML:

```
<SignalProcessingNotification xmlns="urn:cablelabs:iptvservices:esam:xsd:signal:1">
  xmlns:ns6="urn:cablelabs:iptvservices:esam:xsd:manifest:1"
  xmlns:ns5="urn:cablelabs:iptvservices:esam:xsd:common:1"
  xmlns:ns2="urn:cablelabs:md:xsd:core:3.0"
  xmlns:ns4="urn:cablelabs:md:xsd:content:3.0"
  xmlns:ns3="urn:cablelabs:md:xsd:signaling:3.0">
    <ResponseSignal action="create" acquisitionPointIdentity="xosscste35">
      acquisitionSignalID="11b98ada7cc04152bc5c1d2ab2909221"
    </ResponseSignal>
</SignalProcessingNotification>
```

6]. Sample SCTE-35 message body

```
<SignalProcessingNotification xmlns="urn:cablelabs:iptvservices:esam:xsd:signal:1">
  xmlns:ns6="urn:cablelabs:iptvservices:esam:xsd:manifest:1"
  xmlns:ns5="urn:cablelabs:iptvservices:esam:xsd:common:1"
  xmlns:ns2="urn:cablelabs:md:xsd:core:3.0"
  xmlns:ns4="urn:cablelabs:md:xsd:content:3.0"
  xmlns:ns3="urn:cablelabs:md:xsd:signaling:3.0">
    <ResponseSignal action="create" acquisitionPointIdentity="xosscste35">
      acquisitionSignalID="11b98ada7cc04152bc5c1d2ab2909221"
    </ResponseSignal>
</SignalProcessingNotification>
```

```

<ns3:UTCPPoint utcPoint="{{utc_time}}"/>

<ns3:BinaryData
signalType="SCTE35">/AC9AAAAAAAAAAABQb+AAAAAACnAqVDVUVJAAAAAH+/DJRFVEF
fZXIKMGNtbG5aMlZ5Vkhsd1pTSTZJbE5RVDFKVgxSkJSRUZTWDAxTVFsOVdOeUlzSW1sd
WRtVnVkrZl5ZVNjNklrRWlMQ0psZUhSeVlVUmhkR0VpT25zaVpYWmxibUmWTJGMFpXZHJ
bmtpT2lKb2lyMWxjbIz1SWI3aWJXRjBZMmdpT2UeE1qTWImWDA9OAAAAAAAd+spT</ns3:Bi
naryData>

</ResponseSignal>

</SignalProcessingNotification>

```

Please note the **AcquisitionPointIdentity** “**xosscte35**”, matches to the XOS service Add-ons **ESAM Acquisition Point ID**: **xosscte35**, as example.

Typically the **acquisitionSignalID** needs to be different for different API call messages.

Another sample SCE-35 message body

```

<SignalProcessingNotification xmlns="urn:cablelabs:iptvservices:esam:xsd:signal:1"
                               xmlns:ns6="urn:cablelabs:iptvservices:esam:xsd:manifest:1"
                               xmlns:ns5="urn:cablelabs:iptvservices:esam:xsd:common:1"
                               xmlns:ns2="urn:cablelabs:md:xsd:core:3.0"
                               xmlns:ns4="urn:cablelabs:md:xsd:content:3.0"
                               xmlns:ns3="urn:cablelabs:md:xsd:signaling:3.0">

    <ResponseSignal action="create" acquisitionPointIdentity="xosscte35"
                     acquisitionSignalID="11b98ada7cc04152bc5c1d2ab2909307">

        <ns3:UTCPPoint utcPoint="{{utc_time}}"/>

        <ns3:BinaryData
signalType="SCTE35">/AERAAAAAAAAAAABQb+AAAAAAD7AvlDVUVJAAAAAH+/DOhFVEF
fZXIKMGNtbG5aMlZ5Vkhsd1pTSTZJbE5RVDFKVgxSkJSRUZTWDAxTVFsOVdOeUlzSW1sd
WRtVnVkrZl5ZVNjNklrRWlMQ0psZUhSeVlVUmhkR0VpT25zaVpYWmxibUmWTJGMFpXZHJ
bmtpT2lKb2lyMWxjbIz1SWI3aWJXRjBZMmdpT2UeE1qTWImWDA9OAAAAAAAd+spT</ns3:Bi
naryData>
    
```

bmtpt2lKd2FYUmpQ3hvYjlxGNuVnVMRzKxZEN4aGRHSmhkRzkyWlhJaUxDsRZWFJqY
UNJNkluTmtPbTFoZEdOb09qTXpZalZpWlRKbUxUTTRZVFV0TkRsak9DMWhNelEzTFRNMVp
tTmtNVE16TXpOak1TSjlmUT09OAAAAAAioXDU</ns3:BinaryData>

</ResponseSignal>

</SignalProcessingNotification>