



## CHAPTER 2

# Monitoring APIs

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This chapter describes the format and content of the Monitoring API messages. The Monitoring API messages consist of the following:

- [MaxErrorModifiedTime](#), page 2-1
- [MaxStreamModifiedTime](#), page 2-2
- [TrickModeHistory](#), page 2-5
- [PlayServerHistory](#), page 2-6
- [Errors](#), page 2-8
- [Devices](#), page 2-9
- [ServiceGroups](#), page 2-10
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### Note

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Devices, Applications, ServiceGroups, ContentState, and Version response messages are not time-sensitive and always return the current state of the requested information.

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All HTTP request messages for the Monitoring APIs follow the HTTP GET format. All response messages for the Monitoring APIs return an XML document.

## MaxErrorModifiedTime

The MaxErrorModifiedTime request-response message returns the timestamp of the latest error in the database.

### Request

Required: **MaxErrorModifiedTime**

### Request Example

`http://172.22.98.90/everstream/api.php?messageType=MaxErrorModifiedTime`

**Response**

One of the following HTTP status codes is returned:

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The MaxErrorModifiedTimeResponse element is returned in the XML body response.

Table 2-1 describes the XML body elements and attributes returned in the MaxErrorModifiedTimeResponse element.

**Table 2-1** MaxErrorModifiedTimeResponse

Element	Attributes	Data Types	Descriptions
MaxErrorModifiedTime	—	list element	Element that contains the information.
	maxTime	xs:integer	The latest time (since start of UNIX epoch time) that an error occurred in the database. <sup>1</sup>
	curTime	xs:integer	The current time on the CDSM (since the start of UNIX epoch time). <sup>1</sup>

1. UNIX epoch time is 1970-01-01T00:00:00Z

**Response Example**

```
<?xml version="1.0" encoding="UTF-8"?>
<MaxErrorModifiedTimeResponse
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="../../src/xsd/MaxErrorModifiedTime.xsd">
  <MaxErrorModifiedTime maxTime="1233884342" curTime="1233884888" />
</MaxErrorModifiedTimeResponse>
```

## MaxStreamModifiedTime

The MaxStreamModifiedTime request-response message returns the timestamp of the latest stream that was modified in the database.

**Request**

Required: MaxStreamModifiedTime

**Request Example**

```
http://172.22.98.90/everstream/api.php?messageType=MaxStreamModifiedTime
```

**Response**

One of the following HTTP status codes is returned:

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The MaxStreamModifiedTimeResponse element is returned in the XML body response.

Table 2-2 describes the XML body elements and attributes returned in the MaxStreamModifiedTimeResponse element.

**Table 2-2** *MaxStreamModifiedTimeResponse*

Element	Attributes	Data Types	Descriptions
MaxStreamModifiedTime	—	list element	Element that contains the information.
	maxTime	xs:integer	The latest time (since start of UNIX epoch time) that a stream was modified in the database. <sup>1</sup>
	curTime	xs:integer	The current time on the CDSM (since the start of UNIX epoch time). <sup>1</sup>

1. UNIX epoch time is 1970-01-01T00:00:00Z

### Response Example

```
<?xml version="1.0" encoding="UTF-8"?>
<MaxStreamModifiedTimeResponse
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="../../src/xsd/MaxStreamModifiedTime.xsd">
  <MaxStreamModifiedTime maxTime="1233884552" curTime="1233884873" />
</MaxStreamModifiedTimeResponse>
```

## StreamHistory

The StreamHistory request-response message returns a list of streams that were served during the specified period of time.



### Note

We recommend using the Errors API call in association with the StreamHistory API call in order to view any error records pertaining to the session ID.

### Request

Required: **StreamHistory**

Required: **fromDate**

Required: **toDate**

The length of time between fromDate and toDate must not exceed one hour. The request example uses the maxRows, fromOffset, and dateFormat optional parameters.

### Request Example

```
http://172.22.98.90/everstream/api.php?messageType=StreamHistory&fromDate=1233856800&toDate=1233860399&maxRows=1000000&fromOffset=0&dateFormat=sec
```

### Response

One of the following HTTP status codes are returned:

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The StreamsResponse element is returned in the XML body response.

Table 2-3 describes the XML body elements and attributes returned in the StreamsResponse element.

**Table 2-3 StreamsResponse**

Element	Attributes	Data Types	Descriptions
Stream	—	list element	Element that contains the stream information.
	startTime	xs:integer	Stream start time (since start of UNIX epoch time). <sup>1</sup>
	endTime	xs:integer	Stream end time (since start of UNIX epoch time). <sup>1</sup>
	dbTime	xs:integer	Time (since start of UNIX epoch time) this stream was recorded in the database.
	tsidOutputs	xs:string	Transport stream ID (TSID) output.
	macAddress	xs:string	MAC address of the set-top box (STB).
	serverIpAddress	xs:string	IP address of the Streamer.
	serviceGroup	xs:integer	Service Group used to send the stream.
	sessionID	xs:string	Session ID associated with this stream.
	streamType	xs:string	Stream type (either user or sys) is used to differentiate between user-requested streams and system streams.
	contentName	xs:string	Name of the content.
	assetIOR	xs:string	Interoperable Object Reference (IOR) for the content.
	bitrate	xs:integer	Rate the content is being streamed, in bits per second.
	assetName	xs:string	Name used in the ADI metadata for a group of content objects that make up one asset.

1. UNIX epoch time is 1970-01-01T00:00:00Z

### Response Example

```
<?xml version="1.0" encoding="UTF-8"?>
<StreamsResponse
  dateFormat="sec"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="../../../src/xsd/Streams.xsd">

  <Stream startTime="1233857400" endTime="1233857562" dbTime="1233859791" tsidOutput="0"
  macAddress="EmulatedSess" serverIpAddress="" serviceGroup="22"
  sessionID="EmulatedSession:192.169.200.9:14996:1233857403739" streamType="user"
  contentName="content info unknown: 3857732138715670" assetIOR="" bitrate="" assetName="" />

  <Stream startTime="1233857400" endTime="1233857562" dbTime="1233859791" tsidOutput="0"
  macAddress="EmulatedSess" serverIpAddress="" serviceGroup="22"
  sessionID="EmulatedSession:192.169.200.9:14997:1233857403839" streamType="user"
  contentName="content info unknown: 3857732138715677" assetIOR="" bitrate="" assetName="" />

  <Stream startTime="1233857400" endTime="1233859212" dbTime="1233859818" tsidOutput="0"
  macAddress="EmulatedSess" serverIpAddress="" serviceGroup="22"
  sessionID="EmulatedSession:192.169.200.9:15000:1233857404139" streamType="user"
  contentName="ccLongHD_11.mpg"
  assetIOR="IOR:010000002600000049444c3a6973612e7477632e636f6d2f41737365744d6f64756c652f4173
  7365743a312e300000000100000000000007c00000010102000e0000003137322e32322e39392e313736001a
```

```
423000000014010f004e555000000120000000010000000049534150726f78790000000001000000417272
6f796f41737365740200000000000000800000001000000004f4154010000001400000001313d000100010000
000000901010000000000" bitrate="15000000" assetName="ArroyoAsset" />
</StreamsResponse>
```

## TrickModeHistory

The TrickModeHistory request-response message returns a list of trick-mode actions for all sessions during the specified period of time.

### Request

Required: **TrickModeHistory**

Required: **fromDate**

Required: **toDate**

The length of time between fromDate and toDate must not exceed one hour. The request example uses the maxRows, fromOffset, and dateFormat optional parameters.

### Request Example

```
http://172.22.98.90/everstream/api.php?messageType=TrickModeHistory&fromDate=1235012400&to
Date=1235015999&maxRows=100000&fromOffset=0&dateFormat=sec
```

### Response

One of the following HTTP status codes are returned:

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The TrickModesResponse element is returned in the XML body response.

[Table 2-4](#) describes the XML body elements and attributes returned in the TrickModesResponse.

**Table 2-4** *TrickModesResponse*

Element	Attributes	Data Types	Descriptions
TrickMode	—	list element	Element that contains the trick-mode information.
	NPT	xs:integer	The current normal play time. NPT <sup>1</sup> starts at 0 at the start of the video, advances in real time in normal play mode, decrements in reverse mode, and is fixed when the video is paused.
	errorText	xs:string	Information on any errors that occurred during trick play.
	eventTime	xs:integer	Time (since start of UNIX epoch time <sup>2</sup> ) this trick mode was recorded in the database.
	scale	xs:string	The direction and speed of play.
	sessionID	xs:string	Session ID associated with this stream.

1. NPT = normal play time.
2. UNIX epoch time is 1970-01-01T00:00:00Z

**Response Example**

```
<?xml version="1.0" encoding="UTF-8"?>
<TrickModesResponse
  dateFormat="sec"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="../../../src/xsd/TrickModes.xsd">
  <TrickMode
    NPT="0"
    errorText=""
    eventTime="1235013676"
    scale="0"
    sessionID="C0A800F0DB2A::1235013676:664506::13"
  />
  <TrickMode
    NPT="0"
    errorText=""
    eventTime="1235013676"
    scale="1"
    sessionID="C0A800F0DB2A::1235013676:664506::13"
  />
  <TrickMode
    NPT="0"
    errorText=""
    eventTime="1235014331"
    scale="0"
    sessionID="C0A800F0DB2A::1235013676:664506::13"
  />
</TrickModesResponse>
```

# PlayServerHistory

The PlayServerHistory request-response message returns a list of play servers for each trick-mode action for all sessions during the specified period of time.

**Request**

Required: **PlayServerHistory**

Required: **fromDate**

Required: **toDate**

The length of time between fromDate and toDate must not exceed one hour. The request example uses the maxRows, fromOffset, and dateFormat optional parameters.

**Request Example**

```
http://10.74.124.50/everstream/api.php?messageType=PlayServerHistory\&fromDate=1261026000\
&toDate=1261029599\&maxRows=1000000\&fromOffset=0\&dateFormat=sec
```

**Response**

One of the following HTTP status codes are returned:

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The PlayServerResponse element is returned in the XML body response.

Table 2-5 describes the XML body elements and attributes returned in the PlayServerResponse.

**Table 2-5** *PlayServerResponse*

Element	Attributes	Data Types	Descriptions
PlayServer	—	list element	Element that contains the trick-mode information.
	NPT	xs:integer	The current normal play time. NPT <sup>1</sup> starts at 0 at the start of the video, advances in real time in normal play mode, decrements in reverse mode, and is fixed when the video is paused.
	errorText	xs:string	Information on any errors that occurred during trick play.
	eventTime	xs:integer	Time (since start of UNIX epoch time) this trick mode was recorded in the database. <sup>2</sup>
	playServerID	xs:integer	Play server ID associated with this trick play.
	scale	xs:string	The direction and speed of play.
	sessionID	xs:string	Session ID associated with this stream.

1. NPT = normal play time.
2. UNIX epoch time is 1970-01-01T00:00:00Z

### Response Example

```
<?xml version="1.0" encoding="UTF-8"?>
<PlayServerResponse
  dateFormat="sec"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="../../src/xsd/PlayServer.xsd">
  <PlayServer NPT="0" errorText="" eventTime="1261026446" playServerID="51" scale="0"
  sessionID="COA800F0DB2A::1261026446:569384::1725" />
  <PlayServer NPT="0" errorText="" eventTime="1261026447" playServerID="52" scale="1"
  sessionID="COA800F0DB2A::1261026446:569384::1725" />
  <PlayServer NPT="0" errorText="" eventTime="1261026751" playServerID="51" scale="0"
  sessionID="COA800F0DB2A::1261026446:569384::1725" />
  <PlayServer NPT="0" errorText="" eventTime="1261026760" playServerID="51" scale="0"
  sessionID="COA800F0DB2A::1261026761:49751::1726" />
  <PlayServer NPT="0" errorText="" eventTime="1261026760" playServerID="52" scale="1"
  sessionID="COA800F0DB2A::1261026761:49751::1726" />
  <PlayServer NPT="16" errorText="" eventTime="1261026760" playServerID="52" scale="1"
  sessionID="COA800F0DB2A::1261026761:49751::1726" />
  <PlayServer NPT="6316" errorText="" eventTime="1261026768" playServerID="52" scale="2"
  sessionID="COA800F0DB2A::1261026761:49751::1726" />
  <PlayServer NPT="0" errorText="" eventTime="1261026824" playServerID="51" scale="0"
  sessionID="COA800F0DB2A::1261026761:49751::1726" />
  <PlayServer NPT="0" errorText="" eventTime="1261026833" playServerID="51" scale="0"
  sessionID="COA800F0DB2A::1261026833:382133::1727" />
  <PlayServer NPT="0" errorText="" eventTime="1261026833" playServerID="52" scale="1"
  sessionID="COA800F0DB2A::1261026833:382133::1727" />
  <PlayServer NPT="14" errorText="" eventTime="1261026833" playServerID="52" scale="1"
  sessionID="COA800F0DB2A::1261026833:382133::1727" />
  <PlayServer NPT="83528" errorText="" eventTime="1261026918" playServerID="52" scale="4"
  sessionID="COA800F0DB2A::1261026833:382133::1727" />
  <PlayServer NPT="217365" errorText="" eventTime="1261026953" playServerID="52"
  scale="8" sessionID="COA800F0DB2A::1261026833:382133::1727" />
  <PlayServer NPT="296029" errorText="" eventTime="1261026964" playServerID="52"
  scale="15" sessionID="COA800F0DB2A::1261026833:382133::1727" />
  <PlayServer NPT="398677" errorText="" eventTime="1261026973" playServerID="52"
  scale="-15" sessionID="COA800F0DB2A::1261026833:382133::1727" />
```

```

<PlayServer NPT="320690" errorText="" eventTime="1261026980" playServerID="52"
scale="-8" sessionID="C0A800F0DB2A::1261026833:382133::1727" />
<PlayServer NPT="0" errorText="" eventTime="1261027020" playServerID="52" scale="-8"
sessionID="C0A800F0DB2A::1261026833:382133::1727" />
<PlayServer NPT="0" errorText="" eventTime="1261027087" playServerID="51" scale="0"
sessionID="C0A800F0DB2A::1261026833:382133::1727" />
</PlayServerResponse>

```

## Errors

The Errors request-response message returns a list of stream errors that occurred during the specified period of time.

### Request

Required: **Errors**

Required: **fromDate**

Required: **toDate**

The length of time between fromDate and toDate must not exceed one hour. The request example uses the maxRows, fromOffset, and dateFormat optional parameters.

### Request Example

```

http://172.22.98.90/everstream/api.php?messageType=Errors&fromDate=1233874800&toDate=1233878399&maxRows=1000000&fromOffset=0&dateFormat=sec

```

### Response

One of the following HTTP status codes is returned:

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The ErrorsResponse element is returned in the XML body response.

Table 2-6 describes the XML body elements and attributes returned in the ErrorsResponse element.

**Table 2-6** ErrorsResponse

Element	Attributes	Data Types	Descriptions
Error	—	list element	Element that contains the error information.
	errorCode	xs:integer	Stream error code.
	errorText	xs:string	Stream error description.
	errorTime	xs:integer	Time (since start of UNIX epoch time <sup>1</sup> ) this error was recorded in the database.
	macAddress	xs:string	MAC address of the STB.
	serverIpAddress	xs:string	IP address of the Streamer.

1. UNIX epoch time is 1970-01-01T00:00:00Z



**Response Example**

```
<?xml version="1.0" encoding="UTF-8"?>
<ErrorsResponse
  dateFormat="sec"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="../../src/xsd/Errors.xsd">

  <Error errorCode="5005" errorText="AVS_CMPT_OUT_OF_SVC" errorTime="1233875550"
  macAddress="" serverIpAddress="172.22.98.75" serviceGroup="934282940"
  sourceEventID="1233875550::1::1::75::70::4044::112" sessionId="" />

  <Error errorCode="5005" errorText="AVS_CMPT_OUT_OF_SVC" errorTime="1233875580"
  macAddress="" serverIpAddress="172.22.98.75" serviceGroup="934282940"
  sourceEventID="1233875580::1::1::75::70::4044::113" sessionId="" />

  <Error errorCode="5005" errorText="AVS_CMPT_OUT_OF_SVC" errorTime="1233875610"
  macAddress="" serverIpAddress="172.22.98.75" serviceGroup="934282940"
  sourceEventID="1233875610::1::1::75::70::4044::114" sessionId="" />

  <Error errorCode="5005" errorText="AVS_CMPT_OUT_OF_SVC" errorTime="1233875640"
  macAddress="" serverIpAddress="172.22.98.75" serviceGroup="934282940"
  sourceEventID="1233875640::1::1::75::70::4044::115" sessionId="" />

</ErrorsResponse>
```

# Devices

The Devices request-response message returns a list of the CDS devices.

**Request**

Required: **Devices**

**Request Example**

```
http://172.22.98.90/everstream/api.php?messageType=Devices
```

**Response**

One of the following HTTP status codes is returned:

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The DevicesResponse element is returned in the XML body response.

Table 2-7 describes the XML body elements and attributes returned in the DevicesResponse element.

**Table 2-7** DevicesResponse

Element	Attributes	Data Types	Descriptions
Device	—	list element	Element that contains the device information.
	description	xs:string	Description of the device.
	hostname	xs:string	Hostname of the device.
	ipAddress	xs:string	IP address of the device.
	type	xs:string	Device type (Streamer, Vault, or ISV).

### Response Example

```
<?xml version="1.0" encoding="UTF-8"?>
<DevicesResponse
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="../../src/xsd/Devices.xsd">
  <Device description="Vault" hostname="vault216" ipAddress="172.22.98.216" type="Vault" />
  <Device description="Vault" hostname="vault218" ipAddress="172.22.98.218" type="Vault" />
  <Device description="Vault" hostname="vault219" ipAddress="172.22.98.219" type="Vault" />
  <Device description="Streamer" hostname="stm44" ipAddress="172.22.98.44" type="Streamer" />
  <Device description="Streamer" hostname="stm74" ipAddress="172.22.98.74" type="Streamer" />
  <Device description="Streamer" hostname="stm75" ipAddress="172.22.98.75" type="Streamer" />
  <Device description="Streamer" hostname="stm76" ipAddress="172.22.98.76" type="Streamer" />
  <Device description="Streamer" hostname="stm77" ipAddress="172.22.98.77" type="Streamer" />
  <Device description="Streamer" hostname="stm78" ipAddress="172.22.98.78" type="Streamer" />
  <Device description="Streamer" hostname="stm79" ipAddress="172.22.98.79" type="Streamer" />
  <Device description="Streamer" hostname="stm81" ipAddress="172.22.98.81" type="Streamer" />
  <Device description="Streamer" hostname="stm82" ipAddress="172.22.98.82" type="Streamer" />
  <Device description="Streamer" hostname="stm83" ipAddress="172.22.98.83" type="Streamer" />
</DevicesResponse>
```

## ServiceGroups

The ServiceGroups request-response message returns a list of the service groups configured in the CDS.

### Request

Required: **ServiceGroups**

### Request Example

<http://172.22.98.90/everstream/api.php?messageType=ServiceGroups>

### Response

One of the following HTTP status codes is returned:

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The ServiceGroupsResponse element is returned in the XML body response.

Table 2-8 describes the XML body elements and attributes returned in the ServiceGroupsResponse element.

**Table 2-8** *ServiceGroupsResponse*

Element	Attributes	Data Types	Descriptions
ServiceGroup	—	list element	Element that contains the service group information.
	serviceGroup	xs:integer	Service group configured in the CDS.
	TSIDOutput	xs:integer	The associated transport stream identifier (TSID) output on the Quadrature Amplitude Modulation (QAM) device. <sup>1</sup>
	bandwidth	xs:integer	The bandwidth usage of this service group. <sup>1</sup>
	EdgeDeviceIP	xs:string	The IP address of the QAM device. <sup>1</sup>

1. Only for Asynchronous Serial Interface (ASI) streaming.

### Response Example

The response example is for a CDS configured with Gigabit Ethernet streaming.

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceGroupsResponse
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="../../src/xsd/ServiceGroups.xsd">
  <ServiceGroup serviceGroup="21">
  <ServiceGroup serviceGroup="22">
  <ServiceGroup serviceGroup="73">
</ServiceGroupsResponse>
```

## ContentState

The ContentState request-response message returns a list of the content in the CDS.

### Request

Required: **ContentState**

### Request Example

```
http://172.22.98.90/everstream/api.php?messageType=ContentState
```

### Response

One of the following HTTP status codes is returned.

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The ContentStateResponse element is returned in the XML body response.

Table 2-9 describes the XML body elements and attributes returned in the ContentStateResponse element.

**Table 2-9 ContentStateResponse**

Element	Attributes	Data Types	Descriptions
ContentState	—	list element	Element that contains the content information.
	assetIOR	xs:string	Interoperable Object Reference (IOR) for the content.
	contentName	xs:string	Name of the content.
	dateIngested	xs:integer	The time (since start of UNIX epoch time) that the content was ingested into the CDS. <sup>1</sup>
	digestIpAddress	xs:string	The IP address of the Vault that ingested the content.
	filesize	xs:integer	The size, in bytes, of the content file.
	isaAdminState	xs:string	The administrative state of this content. The possible administrative states are: <ul style="list-style-type: none"> <li>• Unprovisioned—Content is loading.</li> <li>• In Service—Content is available for streaming.</li> <li>• Out of Service—Content is not available for streaming.</li> </ul>
	isaOpState	xs:string	The operational state of this content. The possible operational states are: <ul style="list-style-type: none"> <li>• Created—Content is loading.</li> <li>• In Service—Content is available for streaming.</li> <li>• Out of Service—Content is not available for streaming.</li> </ul>
	bitrate	xs:integer	The rate of ingest in bits per second (3750000 = 3.75 Mbps).
	assetName	xs:string	Name used in the ADI metadata for a group of content objects that make up one asset.

1. UNIX epoch time is 1970-01-01T00:00:00Z

### Response Example

```
<?xml version="1.0" encoding="UTF-8"?>
<ContentStateResponse
  dateFormat=""
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="../../src/xsd/ContentState.xsd">
  <ContentState

assetIOR="IOR:010000002600000049444c3a6973612e7477632e636f6d2f41737365744d6f64756c652f4173
7365743a312e300000000100000000000007c000000010102ff0e0000003137322e32322e39392e313736001a
423000000014010f004e55500000001200000000010000000049534150726f787900000000001000000417272
6f796f41737365740200000000000008000000100000004f415401000000140000001313d000100010000
00000090101000000000" contentName="NBA_SR_MichaelvMagic1991-JPW91GB_2.mpg"
dateIngested="1233682841" digestIpAddress="172.22.98.216" filesize="1385901220"
isaAdminState="InService" isaOpState="InService" bitrate="3750000"
assetName="ArroyoAsset" />
  </ContentState
```

```

assetIOR="IOR:010000002600000049444c3a6973612e7477632e636f6d2f41737365744d6f64756c652f4173
7365743a312e3000000001000000000000007c000000010102ff0e0000003137322e32322e39392e313736001a
423000000014010f004e55500000001200000000010000000049534150726f787900000000001000000417272
6f796f41737365740200000000000000800000001000000004f4154010000001400000001313d000100010000
0000000901010000000000"    contentType="NBA_SR_MichaelvMagic1991-JPW91GB_4.mpg"
dateIngested="1233682900"    digestIpAddress="172.22.98.216"    fileSize="1385901220"
isaAdminState="InService"    isaOpState="InService"    bitrate="3750000"
assetName="ArroyoAsset" />
</ContentStateResponse>

```

## Version

The Version request-response message returns the version of the API running on the CDS.

### Request

Required: **Version**

### Request Example

```
http://172.22.98.90/everstream/api.php?messageType=Version
```

### Response

One of the following HTTP status codes are returned.

- 200 Ok—Request was successful.
- 400 Bad Request—Request parameters were incomplete or invalid.

The APIVersionResponse element is returned in the XML body response.

[Table 2-10](#) describes the XML body attributes returned in the APIVersionResponse.

**Table 2-10** *APIVersionResponse*

Attributes	Data Types	Descriptions
major	xs:integer	The integer portion of the API version.
minor	xs:integer	The decimal number portion of the API version.

### Response Example

```

<?xml version="1.0" encoding="UTF-8"?>
<APIVersionResponse
  major="1"
  minor="3"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="..\..\src\xsd\APIVersion.xsd"/>

```

