

IP Video Systems Media Store Service API

DRAFT

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Table of Contents

1. Media Store Synch calls	1
Synch MediaStore Dir	1
Get Media Stream File Max Revision	1
2. Media Store API calls	3
Add MediaStore File	3
Update Media Profile	3
Update Media PlayLength	4
Update Media Status	5
Update Media MetaData	5
Delete Media Store File	6
Upgrade Media	6
Repair Media	7
Upgrade MediaStore Dir	8

List of Examples

1.1. Synch MediaStore Dir Request	1
1.2. Get Media Stream File Max Revision Request	1
1.3. Get Media Stream File Max Revision Response	2
2.1. Add MediaStore File Request	3
2.2. Add MediaStore File Response	3
2.3. Update Media Profile Request	4
2.4. Update Media Profile Response	4
2.5. Update Media PlayLength Request	4
2.6. Update Media PlayLength Response	4
2.7. Update Media Status Request	5
2.8. Update Media Status Response	5
2.9. Update Media MetaData Request	5
2.10. Update Media MetaData Response	6
2.11. Delete Media Store File Request	6
2.12. Delete Media Store File Response	6
2.13. Upgrade Media Request	7
2.14. Upgrade Media Response	7
2.15. Repair Media Request	7
2.16. Repair Media Response	7
2.17. Upgrade MediaStore Dir Request	8
2.18. Upgrade MediaStore Dir Response	8

Chapter 1. Media Store Synch calls

The following requests are used in media store sync process

Synch MediaStore Dir

Synch the media store directory with media stream dir stored in database. Handles the following States

- *Dir Available*
- *Dir UnAvailable*
- *Dir Delete*
- *Dir State Updates*

Example 1.1. Synch MediaStore Dir Request

```
<SynchMediaStoreDirRequestData>
  <DirName/>
  <State/>
</SynchMediaStoreDirRequestData>
```

- *DirName* /data1 or /data2
- *State* Available/UnAvailable/Delete/State Update

Get Media Stream File Max Revision

Media store agent send GetMediaStreamFileMaxRevision Request to appserver. In response to this call on media store will start media stream file synch process

Example 1.2. Get Media Stream File Max Revision Request

```
<GetMediaStreamFileMaxRevisionRequestData>
  <MediaStoreRevision/>
  <MediaStreamDirNID/>
</GetMediaStreamFileMaxRevisionRequestData>
```

- *MediaStoreRevision* media store revision stored in blob dir MediastoreInfo.xml file
- *MediaStreamDirNID* dir nid which trying to synch

Example 1.3. Get Media Stream File Max Revision Response

```
<GetMediaStreamFileMaxRevisionResponseData>  
  <MediaStoreRevision/>  
  <MediaStreamFileMaxRevision/>  
  <MediaStreamDirNID/>  
</GetMediaStreamFileMaxRevisionResponseData>
```

Chapter 2. Media Store API calls

The following requests are media store api calls

- *MediaStoreFileNID* [Required]
- *MediaStreamFileResourceNID* [Required]
- *MediaStreamDirResourceNID* [Required]
- *ActionData* [optional]

Add MediaStore File

Create media store file for given media store

Example 2.1. Add MediaStore File Request

```
<AddMediaStoreFileRequestData>
<MediaStoreFileNID/>
<MediaStreamFileResourceNID/>
<MediaStreamDirResourceNID/>
<ActionData/>
</AddMediaStoreFileRequestData>
```

Example 2.2. Add MediaStore File Response

```
<AddMediaStoreFileResponseData>
<MediaStreamFileResourceNID/>
<MediaStoreFileNID/>
<ResponseXML/>
</AddMediaStoreFileResponseData>
```

Update Media Profile

Create media store file for given media store if the media store file not exists. Updates given profile in media store and media stream and mark the media status as BUSY.

Example 2.3. Update Media Profile Request

```
<UpdateMediaProfileRequestData>
  <MediaStoreFileNID/>
  <MediaStreamFileResourceNID/>
  <MediaStreamDirResourceNID/>
  <ActionData/>
</UpdateMediaProfileRequestData>
```

Example 2.4. Update Media Profile Response

```
<UpdateMediaProfileResponseData>
  <MediaStreamFileResourceNID/>
  <MediaStoreFileNID/>
  <ResponseXML/>
</UpdateMediaProfileResponseData>
```

Update Media PlayLength

Update Media Playlength and Size in media store file and media stream file and mark the Media status as Ready. Updates the media dirsiz also.

Example 2.5. Update Media PlayLength Request

```
<UpdateMediaPlayLengthRequestData>
  <MediaStoreFileNID/>
  <MediaStreamFileResourceNID/>
  <MediaStreamDirResourceNID/>
  <ActionData/>
</UpdateMediaPlayLengthRequestData>
```

Example 2.6. Update Media PlayLength Response

```
<UpdateMediaPlayLengthResponseData>
  <MediaStreamFileResourceNID/>
  <MediaStoreFileNID/>
  <ResponseXML/>
</UpdateMediaPlayLengthResponseData>
```


Update Media Status

Update Media status in media store and media stream file.

Example 2.7. Update Media Status Request

```
<UpdateMediaStatusRequestData>  
  <MediaStoreFileNID/>  
  <MediaStreamFileResourceNID/>  
  <MediaStreamDirResourceNID/>  
  <ActionData/>  
</UpdateMediaStatusRequestData>
```

Example 2.8. Update Media Status Response

```
<UpdateMediaStatusResponseData>  
  <MediaStreamFileResourceNID/>  
  <MediaStoreFileNID/>  
  <ResponseXML/>  
</UpdateMediaStatusResponseData>
```

Update Media MetaData

Update Media MetaData in media store and media stream file.

Example 2.9. Update Media MetaData Request

```
<UpdateMediaMetaDataRequestData>  
  <MediaStoreFileNID/>  
  <MediaStreamFileResourceNID/>  
  <MediaStreamDirResourceNID/>  
  <ActionData/>  
</UpdateMediaMetaDataRequestData>
```

Example 2.10. Update Media MetaData Response

```
<UpdateMediaMetaDataResponseData>
  <MediaStreamFileResourceNID/>
  <MediaStoreFileNID/>
  <ResponseXML/>
</UpdateMediaMetaDataResponseData>
```

Delete Media Store File

Move the Media Store File from media store directory to trash directory. From Trash directory streaming server deletes when there is no active streams are there.

Example 2.11. Delete Media Store File Request

```
<DeleteMediaStoreFileRequestData>
  <MediaStoreFileNID/>
  <MediaStreamFileResourceNID/>
  <MediaStreamDirResourceNID/>
  <ActionData/>
</DeleteMediaStoreFileRequestData>
```

Example 2.12. Delete Media Store File Response

```
<DeleteMediaStoreFileResponseData>
  <MediaStreamFileResourceNID/>
  <MediaStoreFileNID/>
  <ResponseXML/>
</DeleteMediaStoreFileResponseData>
```

Upgrade Media

Upgrade older version media file to currently installed version

Example 2.13. Upgrade Media Request

```
<UpgradeMediaRequestData>
  <MediaStoreFileNID/>
  <MediaStreamFileResourceNID/>
  <MediaStreamDirResourceNID/>
  <ActionData/>
</UpgradeMediaRequestData>
```

Example 2.14. Upgrade Media Response

```
<UpgradeMediaResponseData>
  <MediaStreamFileResourceNID/>
  <MediaStoreFileNID/>
  <ResponseXML/>
</UpgradeMediaResponseData>
```

Repair Media

Repair the media and mark it as Ready

Example 2.15. Repair Media Request

```
<RepairMediaRequestData>
  <MediaStoreFileNID/>
  <MediaStreamFileResourceNID/>
  <MediaStreamDirResourceNID/>
  <ActionData/>
</RepairMediaRequestData>
```

Example 2.16. Repair Media Response

```
<RepairMediaResponseData>
  <MediaStreamFileResourceNID/>
  <MediaStoreFileNID/>
  <ResponseXML/>
</RepairMediaResponseData>
```

Upgrade MediaStore Dir

Upgrade the media store directory to latest installed version. If Upgrade File options specifieds upgrade the media store files to latest version

Example 2.17. Upgrade MediaStore Dir Request

```
<UpgradeMediaStoreDirRequestData>  
<MediaStreamDirResourceNID/>  
<UpgradeMediaStreamFiles>false</UpgradeMediaStreamFiles>  
<ActionData/>  
</UpgradeMediaStoreDirRequestData>
```

Example 2.18. Upgrade MediaStore Dir Response

```
<UpgradeMediaStoreDirResponseData/>
```