

Unicorn Media's API Ingest service accepts a POST with either a DownloadURL or the actual FileData (up to 200MB), along with a robust set of metadata. Sending an API Ingest POST will result in notification to the URL you specify in the POST when the asset has completed processing. This eliminates the need to read an XML feed to verify new items' ingest.

Our API POST URL is: <http://apiingest.unicornmedia.com/api/ingest>

API ingest Skeleton

```
<APIIngestRequest>
  <UserName>required</UserName>
  <Password>required</Password>
  <DomainName>required</DomainName>
  <AVItem>
    <CatalogGUID>required</CatalogGUID>
    <ForeignKey>required</ForeignKey>
    <IngestItemType>{Video|Audio}</IngestItemType>
    <IngestInfo>
      <DownloadURL>required if no filedata</DownloadURL>
      <FileData>required if no downloadurl (bytes of the file)</FileData>
      <FileExtension>required if filedata is used</FileExtension>
    </IngestInfo>
    <Title>optional</Title>
    <Keywords>optional</Keywords>
    <Description>optional</Description>
    <ExtendedMetadata>optional
      <key>optional</key>
      <key2>optional</key2>
    </ExtendedMetadata>
    <Images>
      <Image>
        <CatalogGUID>optional</CatalogGUID>
        <ForeignKey>required</ForeignKey>
        <IngestItemType>{Image}</IngestItemType>
        <IngestInfo>
          <DownloadURL>required if no filedata</DownloadURL>
          <FileData>required if no downloadurl</FileData>
          <FileExtension>required if filedata is used</FileExtension>
        </IngestInfo>
        <ImageType>{Default|Thumbnail|SmallImage|LargeImage|MidsizedImage|CoverArtImage}</ImageType>
      </Image>
    </Images>
    <Captions>
      <Caption>
        <CatalogGUID>optional</CatalogGUID>
        <ForeignKey>required</ForeignKey>
        <IngestItemType>{Caption}</IngestItemType>
        <IngestInfo>
```

```
<DownloadURL>required if no filedata</DownloadURL>
<FileData>required if no downloadurl</FileData>
<FileExtension>required if filedata is used</FileExtension>
</IngestInfo>
<Language>required</Language>
<CaptionAssociateType>{Default}</CaptionAssociateType>
</Caption>
</Captions>
<PublicationRules>
  <PublicationRule>
    <ChannelGUID>required</ChannelGUID>
    <StartDate>required</StartDate>
    <EndDate>required</EndDate>
    <ClientFilters>
      <ClientFilter>
        <VariableName>{IPAddress|UserAgent|ReferringHost}</VariableName>
        <Value>required</Value>
        <FilterType>{EQUALS|NOT_EQUALS|IN|NOT_IN|CONTAINS|NOT_CONTAINS|STARTSWITH|NOT_STARTSWITH}</FilterType>
        <IsDenied>true|false</IsDenied>
      </ClientFilter>
    </ClientFilters>
    <Countries>
      <Country>
        <CountryCode>required</CountryCode>
        <IsDenied>true|false</IsDenied>
      </Country>
    </Countries>
    <DRMConfigs>
      <DRMconfig>
        <DRMConfigGUID>required</DRMConfigGUID>
      </DRMconfig>
    </DRMConfigs>
  </PublicationRule>
</PublicationRules>
<CuePoints>
  <CuePoint>
    <CuePointType>{CuePoint|CuePointChapter|CuePointOverlay}</CuePointType>
    <SecondsIn>required</SecondsIn>
  </CuePoint>
</CuePoints>
</AVItem>
<NotificationURL>optional</NotificationURL>
<NotificationRequestMethod>optional</NotificationRequestMethod>
<Priority>optional</Priority>
</APIIngestRequest>
```

A description of each node available in **APIIngestRequest**:

Name	Required	Description
UserName	Yes	The email address associated with the User, used to authorize the incoming request.
Password	Yes	The password used in association with the email to determine if the user is authorize the incoming request.
DomainName	Yes	The name of the Domain that the User should have access to, used for authentication.
AVItem	Yes	The Audio or Video ingest item this post pertains to.
NotificationURL	No	A URL that can be set to have an item notification job created for your newly ingested or versioned items.
NotificationRequestMethod	No	The HTTP method to assign to your item notification job. Default is GET.
Priority	No	A priority variable used by API Ingest to determine if the AV Ingest Item should be ingested through Skynet or if it should be sent to High Priority Dedicated Transcoders. Not Implemented Yet.

A description of each node available in **AVItem**:

Name	Required	Description
CatalogGUID	Yes	The Catalog GUID the AVItem is from or will be ingested into.
ForeignKey	Yes	The Foreign Key assigned to the AV Item.
IngestItemType	No	The Media Item Type of the AV Item. Default is Video

Name	Required	Description
IngestInfo	No*	The dictionary containing information relevant to how this AV Item will be ingested or versioned. Required for new ingest items.
Title	No	The Title assigned to the AV Item. Default is the Foreign Key.
Keywords	No	The Keywords assigned to the AV Item.
Description	No	The Description assigned to the AV Item.
ExtendedMetadata	No	A Dictionary that will be stored as the Extended Metadata associated with this AV Item. Extended Metadata is additive on updates.
Images	No	List of Images to be associated with the AV Item.
Captions	No	List of Captions to be associated with the AV Item.
PublicationRules	No	List of Publication Rules to be associated with the AV Item.
CuePoints	No	List of Cue Points to be associated with the AV Item.

A description of each node available in **IngestInfo**:

Name	Description
DownloadURL	A URL to download the content from.
FileData	A string representation of the Bytes associated with the content.
FileExtension	The file extension to use for your File Data.

- IngestInfo requires either a DownloadURL or FileData, and if you are using FileData, a FileExtension is required.
- If this IngestInfo is for a caption, it must use a DownloadURL. Providing Caption FileData is not supported, to prevent race conditions in transcode.

A description of each node available in **Image**:

Name	Required	Description
CatalogGUID	No	The Catalog GUID the Image is from or will be ingested into. If none is given, the Catalog GUID from the AV Item will be used.
ForeignKey	Yes	The Foreign Key assigned to the Image Item.
IngestItemType	No	The Media Item Type to use for this Image. Default is Image and the only valid node.
IngestInfo	No*	The dictionary containing information relevant to how this Image Item will be ingested or versioned. *Required for new ingest items.
ImageType	No	The type of Media Item to Image Association. Default is Default.

A description of each node available in **Caption**:

Name	Required	Description
CatalogGUID	No	The Catalog GUID the Caption is from or will be ingested into. If none is given, the Catalog GUID from the AV Item will be used.
ForeignKey	Yes	The Foreign Key assigned to the Caption Item.
IngestItemType	No	The Media Item Type to use for this Caption. Default is Caption and the only valid node.
IngestInfo	No*	The dictionary containing information relevant to how this Caption Item will be ingested or versioned. Required for new ingest items.
CaptionAssociateType	No	The type of Media Item to Caption Association. Default is Default.

A description of each node available in **PublicationRule**:

Name	Required	Description
ChannelGUID	Yes	The Channel GUID assigned to this Publication Rule. Must be a valid Channel in the Domain that was used in authentication.
StartDate	Yes	The Start Date assigned to the Publication Rule. In UNIX time or a DateTime parse-able string. Must not be greater than the End Date.
EndDate	Yes	The End Date assigned to the Publication Rule. In UNIX time or a DateTime parse-able string. Must not be less than the Start Date.
ClientFilters	No	The Client Filters associated with the Publication Rule.
Countries	No	The Countries associated with the Publication Rule.
DRMConfigs	No	The DRMConfigs associated with the Publication Rule.

A description of each node available in **ClientFilter**:

Name	Required	Description
VariableName	Yes	The Variable Name assigned to this Client Filter.
Value	Yes	The Value associated with the Variable Name.
FilterType	Yes	The Filter of how the Value is associated with the Variable Name.
IsDenied	Yes	The outcome for when the Client Filter's properties are matched.

A description of each node available in **Country**:

Name	Required	Description
CountryCode	Yes	The ISO 3166-1 2 character country code.
IsDenied	Yes	The outcome for when the Country properties are matched.

A description of each node available in **DRMConfig**:

Name	Required	Description
DRMConfigGUID	Yes	The DRM Config GUID to a valid DRM Config. Must be a valid DRM Config in the Domain that was used in authentication.

A description of each node available in **CuePoint**:

Name	Required	Description
CuePointType	Yes	The type of Cue Point to be created.
SecondsIn	Yes	The number of seconds into the AV Item this Cue Point will fire. Must be non-negative.