



I&T OnDemand Asset Generator

User Guide

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1 Purpose of this document

The purpose of the Asset Generator application is to allow users to create/update various asset types and VRP Packages. This document is a high-level guide on how to use the application.

Summary of features available:

- 1) Create Standard ADI for SVOD, Episodes, Catchup, DPL, EST Single Title and Shows.
- 2) Create VRP Packages (TAR) for SVOD, Episode, Catchup, DPL and Premium VOD.
- 3) Able to Search ADI's by Title or Show Title
- 4) View or update assets metadata or/and video
- 5) Checksum calculations for Media Files (Video, Images and Trailers)
- 6) Upload media files from your local machine to the tank
- 7) Get media files from local machine or tank to the Tool and use them to create Assets
- 8) Post generated assets directly to any OnDemand Test Environment Endpoints.
- 9) View historical assets previously created against any test environment.
- 10) Able to obtain real like data to generate realistic assets.

1.1 Prerequisite – Startup for first time

For VRP Packages Only –

This is required for the first time when the tool starts on a host. The following default media files needs to be imported into the tool. This is only required for creating the VRP TAR packages as the tool will look for the referenced video and images in the tool library to create the TAR files.

To upload the default media files on start-up please use option **Admin > Add Default Media**.

Fill up the tank user ID and Password and click on '**Get from Tank**' option. Please refer screenshot [here](#).

This will add the following default media files to the Tool Library. The following list can be overridden by the user using the option **Admin > Update Default Media path**. We will look into that information in details in [\(section 1.2.7.4\)](#)

HD Video	HD_MOVIE.ts
SD Video	SD_2_min.ts
4K Video	4K_SDR_MOVIE.ts
HDR Video	HDR_MOVIE.ts
DPL Video	DPL_VIDEO_FILE.ts
EST Video	HD_MOVIE.ts
Trailer	FinestHours_Trailer.ts

1.2 Asset Generator Tool Menu

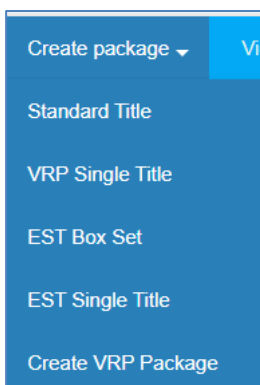
The OnDemand ADI Generator tool has been designed to group key features together, in order to keep things simplistic. Each menu option has been detailed further below.



1.2.1 Home

The Homepage provides the user with a summary of features that are supported by the OnDemand Asset Generator tool (including version). Please refer [here](#) for **home details**

1.2.2 Create package



This option is used to create Asset ADIs and TAR packages. The create package menu is further divided into the following for creating different type of assets or tar packages.

1.2.2.1 Create package – Standard Title

This option (**Create Package > Standard Title**) allows the creation of ADI for Standard Title. Please refer [here](#) for screenshot for **Standard Title form**.

Some of the fields are mandatory in the form. They are marked with **.

The optional fields will get populated with default values as per tool config unless specified by the user.

The important field is the **'Type of Asset'** which controls the flow of the asset generation. The following assets types can be created from the 'Standard Title option'

- SVOD – Subscription Video On Demand (VOD) (offer type = SVOD, Term Type = Archive)
- RENTAL – Rental VOD (offer type = IPPR, Term Type = Archive)
- CATCHUP VOD – Catchup VOD (offer type = SVOD, Term Type = CUTV)
- CATCHUP EPISODE – Catchup Episode (Catchup Series, offer type = SVOD, Term Type = CUTV)
- SVOD EPISODE – Subscription VOD Episode (SVOD Series, offer type = SVOD, Term Type = Archive)
- DPL SVOD – SVOD asset with Dynamic Playlist Template
- DPL CATCHUP – DPL Catchup Asset with Dynamic Playlist Template
- DPL SVOD EPISODE – SVOD Series with Dynamic Playlist template
- DPL CATCHUP EPISODE – Catchup Series with Dynamic Playlist template

The video file can be either left blank for default video based on the provider or user can select one from the dropdown based on the videos added to the local library of the tool.

The image group again can be either left blank for default image group or user can select one from the dropdown based on the images added to the local library of the tool.

If the selected asset type has '**DPL**', then the DPL ADI template will be used. A default '**DPL Asset Part**' will be used (2) unless specified by the user to override the default value.

The **CUTV Service Key** is mandatory if the asset type is any form of '**CatchUp**'

1.2.2.2 Create package – VRP Single Title

This option (**Create Package > VRP Single Title**) allows the creation of ADI for Standard Title. Please refer [here](#) for screenshot for **VRP Title form**.

Some of the fields are mandatory in the form. They are marked with **.

The optional fields will get populated with default values as per tool config unless specified by the user.

The VRP Single Title also supports all the asset types for the Standard Title in addition to the Premium VOD asset type.

The Video File / Image Group section is same as Standard Title ([section 1.2.2.1](#)).

1.2.2.3 Create package – EST Box Set

This option (**Create Package > EST Box Set**) allows the creation of ADI for EST Box-Sets. User can either create a TV Box-Set (Example 'Friends' with multiple seasons and episodes) or a Movie Box Set (Example 'Tom Hanks Collection'). Please refer [here](#) for the screenshot of the EST Box-Set form

Some of the fields are mandatory in the form. They are marked with **.

The user needs to specify the Box-Set Order Type in the **Licensing Section**

Valid Order Type combinations are;

- PreOrder (PO)
- PreOrder + ComingSoon (PO + CS)
- PreOrder + ComingSoon + Regular (PO + CS + REG)
- Regular (REG)

Metadata Section

The Movie Box-set has to be only Single-Season.

The TV Box-set can have multiple Seasons.

The number of Seasons and Episodes by default are 1 and 2 respectively but can be overridden by the user.

The Video File / Image Group section is same as Standard Title ([section 1.2.2.1](#)).

Offer Section

The offer section needs to be filled based on the Order Type Selection in the Licensing Section

Depending on the Order type selected earlier, the appropriate offer window can be populated. The logic for the order type is;

If asset has all 3 Order Types and no dates are supplied – the default values would be –

PreOrder Window = **Now + 7 days**; ComingSoon Window = **PreOrder End Day + 7 days**;
Regular Window = **ComingSoon End Day + 30 days**.

Else the user can override the default values by populating the respective Offer Windows.

If asset has selected Order Types, then any window will take the default values unless user has supplied specific values which is again (PO = 7; CS = 7; Regular = 30)

Finally, to complete the EST Boxset, select the desire Purchase Option from the drop-down list

Boxset Show will be created with the respective Seasons and Episodes where applicable.

1.2.2.4 Create package – EST Single Title

This option (**Create Package > EST Single Title**) allows the creation of ADI for EST Single Title. Please refer [here](#) for the screenshot of the EST Single Title form.

Some of the fields are mandatory in the form. They are marked with **.

Please refer to the **section 1.2.2.3 Create Package – EST Box-Set section** for the Licensing Section, Metadata Section and the Offer section. The Licensing and the Purchase Options are same as EST Box-Set.

1.2.2.5 Create package – Create VRP Package

This option (**Create Package > Create VRP Package**) allows the creation of the VRP TAR Packages for the created VRP Single Title. The screenshot [here](#).

The user needs to make sure that;

- The supporting media files (images, videos and trailers) that are referenced in the ADI are uploaded in the tool library. If the user has successfully ran the startup first time then the default media files should be present there. Should the user need to use different images and videos, they need to upload the additional media into the library, else the TAR file will not contain the media.

- The VRP Single Title is created successfully and this assetId needs to be used in the [Create VRP Package Form](#)

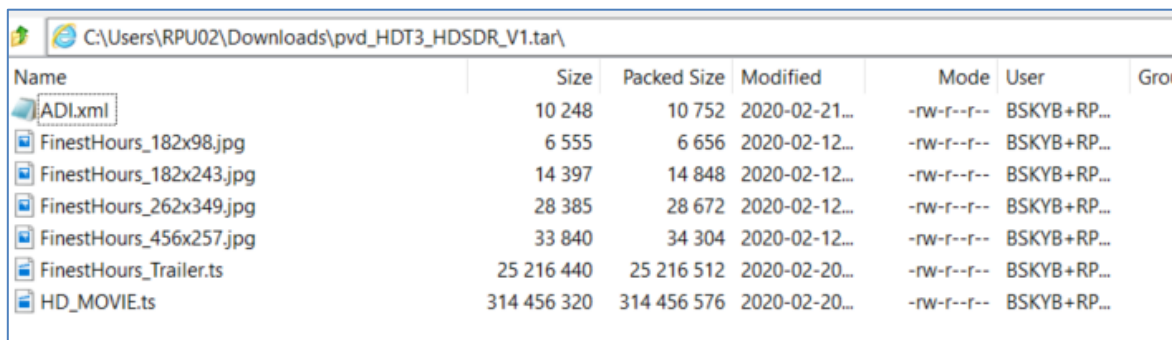
The Filename can be user specified and should be of the format <filename.tar>. The convention is to use the <asset_title.tar>

For Premium VOD VRP Packages – Please refer to [Screenshot – Premium VOD VRP naming convention](#) for correct format to use.

This would create the TAR file and download it into the local '**downloads**' directory.

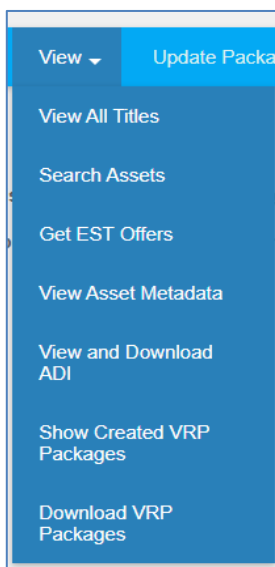
This TAR file can then be copied across the VRP Watch Folder either externally through tools like WinSCP / Filezilla or even through the tool using the **Media Library > Upload to Tank** option which we will discuss in details in section [Media Library – Upload To Tank](#)

The sample TAR files would look like



Name	Size	Packed Size	Modified	Mode	User	Group
ADI.xml	10 248	10 752	2020-02-21...	-rw-r--r--	BSKYB+RP...	
FinestHours_182x98.jpg	6 555	6 656	2020-02-12...	-rw-r--r--	BSKYB+RP...	
FinestHours_182x243.jpg	14 397	14 848	2020-02-12...	-rw-r--r--	BSKYB+RP...	
FinestHours_262x349.jpg	28 385	28 672	2020-02-12...	-rw-r--r--	BSKYB+RP...	
FinestHours_456x257.jpg	33 840	34 304	2020-02-12...	-rw-r--r--	BSKYB+RP...	
FinestHours_Trailer.ts	25 216 440	25 216 512	2020-02-20...	-rw-r--r--	BSKYB+RP...	
HD_MOVIE.ts	314 456 320	314 456 576	2020-02-20...	-rw-r--r--	BSKYB+RP...	

1.2.3 View



The view provides the user with a wide range of option to retrieve created single titles, Box-sets and created VRP TAR files.

It also allows user to search assets based on their titles and to download and save an ADI locally.

1.2.3.1 View – View All Titles

This option (**View > View All Titles**) allows the user to view and retrieve all the assets the tool has created. The newly created asset will be listed on the top.

Sample Response for 'View All Titles'

packages	title	assetId	package_type	providerVersionNum	providerId	offerEndDateTime	multiformat_id
	Friends	2020022410005700	est_show	1	est_tvboxset_hd	2020-03-27T10:00:57Z	None
	Enter the Dragon	2020022410003301	EST SINGLE TITLE	1	est_sbo_hd	2020-03-07T10:00:34Z	None
total	2						

1.2.3.2 View – Search Assets

This option (**View > Search Assets**) allows the user to search Standard Single Title (including the VRP titles) and the EST Titles in the local database. View Form [here](#).

Sample screenshot for 'Search EST Single Title'

packages	title	assetId	package_type	providerVersionNum	providerId	offerEndDateTime	multiformat_id
	Armageddon	2020022417382401	SVOD	1	bsky_skymovies_hd	2020-04-24T17:38:24Z	BSKYPR20200224173824
total	1						

Sample screenshot for 'Search EST Box-Set'

packages	title	assetId	package_type	providerVersionNum	providerId	offerEndDateTime	parent_group_id	no_of_seasons	season_number	no_of_episodes	episode_number
	Friends	2020022417440200	est_show	1	est_tvboxset_hd	2020-04-08T17:44:03Z		1			
	Friends S.1	2020022417440311	est_season	1	est_season_hd	2020-04-24T17:44:02Z	2020022417440200		1	2	
	Friends S.1.Ep.1	2020022417450322	est_episode	1	est_tvboxepisode_hd	2020-04-24T17:44:02Z	2020022417440311		1		1
	Friends S.1.Ep.2	2020022417450422	est_episode	1	est_tvboxepisode_hd	2020-04-24T17:44:02Z	2020022417440311		1		2
total	4										

1.2.3.3 View – Get EST Offers

This option (**View > Get EST Offers**) allows the user to retrieve the EST Offers and Order Types associated with the EST Asset ID (either the EST Single Title or an EST Box-Set). Enter the Asset ID in the form and click '**Get EST Offers**'. Sample form [here](#).

Sample response for EST Offers for Box-Sets

offers	title	assetId	offer_type	est_offer_id	est_order_type	offerStartTime	offerEndTime
	Friends	2020022410005700	IPPR	2020022410005701	Regular	2020-03-07T10:01:57Z	2020-03-27T10:00:57Z
	Friends	2020022410005700	IPPR	2020022410005702	ComingSoon	2020-02-29T10:01:57Z	2020-03-07T10:00:57Z
	Friends	2020022410005700	IPPR	2020022410005703	PreOrder	2020-02-24T10:00:57Z	2020-02-29T10:00:57Z
total	3						

Sample response for EST Offers for EST Single Title

offers	title	assetId	offer_type	est_offer_id	est_order_type	offerStartTime	offerEndTime
	Enter the Dragon	2020022410003301	IPPR	2020022410003301	ComingSoon	2020-02-29T10:01:34Z	2020-03-07T10:00:34Z
	Enter the Dragon	2020022410003301	IPPR	2020022410003302	PreOrder	2020-02-24T10:00:34Z	2020-02-29T10:00:34Z
total	2						

1.2.3.4 View – View Asset Metadata

This option (**View > View Asset Metadata**) allows the user to view the Asset Metadata like title, synopsis, audio type, parental rating, and the Movie files at a glance for the asset providing the asset ID. The form is simple with single input of Asset ID.

Sample response for View Asset Metadata

packages	assetId	2020022410005700
	title	Friends
	synopsis	This is the synopsis of title named: Friends
	audio_type	None
	Parental Rating	1
	CA/BTC Rating	1
	Subtitle	None
	Movie File	None
	Movie Checksum	None

1.2.3.5 View – View and Download ADI

This option (**View > View and Download ADI**) allows the user to view the ADI XML created by the tool and gives an option to download and save the XML locally. The form is simple with single input of Asset ID.

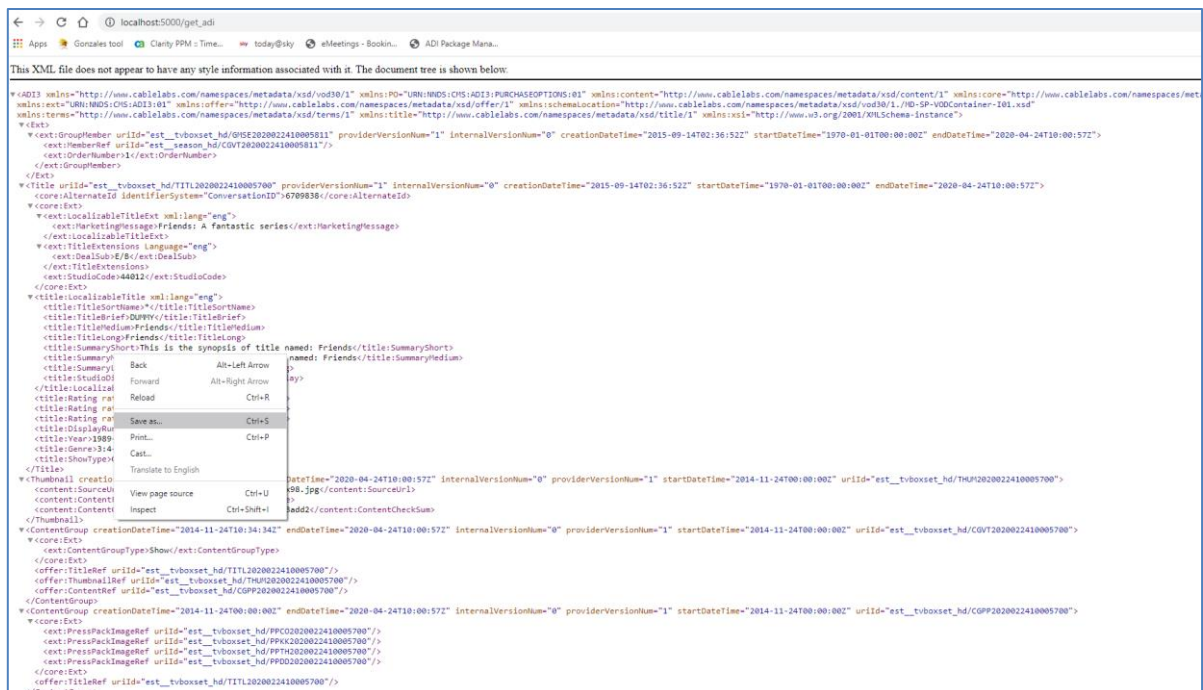
To save the ADI XML file locally, once the XML is retrieved in browser, right click on the browser window displaying the XML and click on 'Save as' to save the XML file locally.

Optionally the following API can also be used to display any other ADIs with their Asset ID:

`http://localhost:5000/get_adi/<assetId>`

Example: http://localhost:5000/get_adi/2020022417382401

Sample response for View and Download ADI

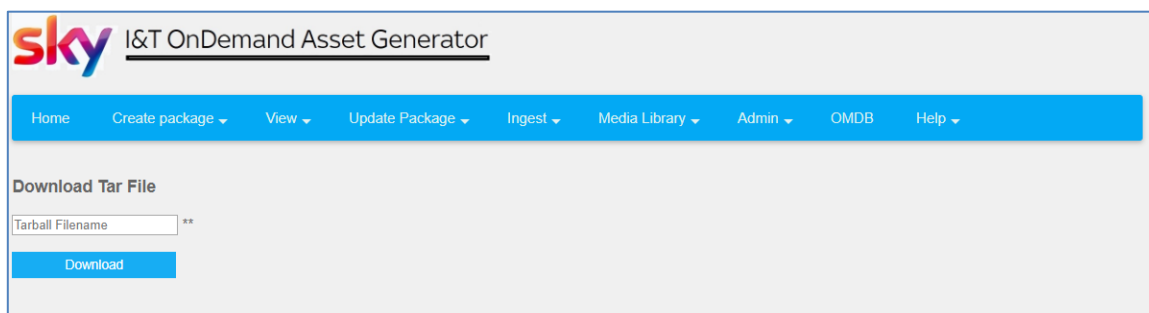


1.2.3.6 View – Show Created VRP Packages

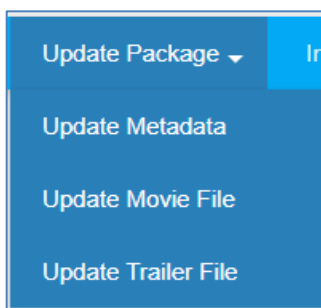
This option (**View > Show Created VRP Packages**) allows the user to list the VRP packages (TAR Files) created and saved in the Tool Library. The user will have an option to create and save them for later use. VRP packages can be downloaded at a later date.

1.2.3.7 View – Download VRP Packages

This option (**View > Download VRP Packages**) allows the user to download the VRP packages from the tool which is created earlier. The user will need to specify the full filename of the TAR file and click on the Download button. The file will be downloaded locally in the 'downloads' location of the local machine.



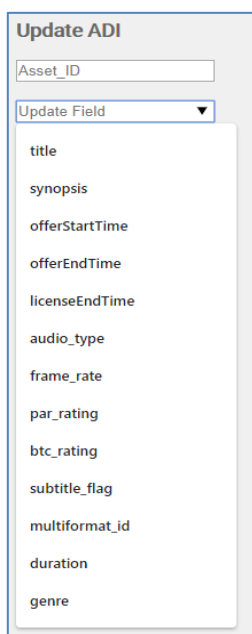
1.2.4 Update Package



This option will allow user to update the Metadata, Media and Offer Dates. Currently in scope the user is allowed to update metadata, movie and trailer only. The offer dates and license dates can be modified on only the Non-EST Single Offer Assets. ***This is a planned enhancement on the tool will be probably available in next phase. The images cannot be updated as of now. It is another planned enhancement for Phase 2.***

1.2.4.1 Update Package – Update Metadata

As of now with this option (**Update Package > Update Metadata**) the user can update the following metadata for the assets created. The update can be done for one field at a time. For



each update the provider version number of the ADI is incremented.

Please refer to screenshot for the update Metadata form [here](#).

The user has to specify the AssetId, the predefined update field for the asset from the dropdown and finally the value of that field. The update options are predefined and are shown aside.

Finally, user needs to click the Update Single Title button to update the asset in the Database. This would ensure that the provider version number is incremented along with the change.

Note: Though the fields value is a free text, but the user needs to ensure that the following style is maintained for the following fields.

Duration = X:XX:XX

Genre = X:X

offerStartTime/offerEndTime/licenseEndTime = YYYY-MM-DDTHH:MM:SSZ

subtitle_flag = true/false

1.2.4.2 Update Package – Update Movie File

This option (**Update Package > Update Movie File**) allows user to update the video files and checksum for the asset for the movie section only.

User can either use any of the video files added to the tool library (**Media Library > List Media Files in Tools**) or enter the Filename and the file checksum manually.

The checksum needs to be correct as per the Video File for a VRP title, but not mandatory to be specifically correct for Non-VRP assets. The user can still see the correct checksum for every file uploaded in the tool in (**Media Library > List Media Checksum**) option and can use them for updates.

The user can also update additional media files into the tool library from either local machine or tank – which will then automatically calculate the checksum of the newly added video files. This is extremely handy for the use in VRP titles. Uploading Media files will be discussed in [\(Section 1.2.6.3\)](#)

Please refer to the screenshot of the form [here](#)

The Movie File URL in the form only needs the Filename. The Path will be decided automatically based on either Standard Title or VRP Title and the default config. This can be viewed and set under **(Admin > View Default Media/Path)** and **(Admin > Update Default Media/Path)**. We shall discuss this in details in [\(Section 1.2.7.3\)](#) and [\(Section 1.2.7.4\)](#) respectively.

1.2.4.3 Update Package – Update Trailer File

This option **(Update Package > Update Movie File)** allows user to update the video files and checksum for the asset for the movie section only.

User can either use any of the video files added to the tool library **(Media Library > List Media Files in Tools)** or enter the Filename and the file checksum manually.

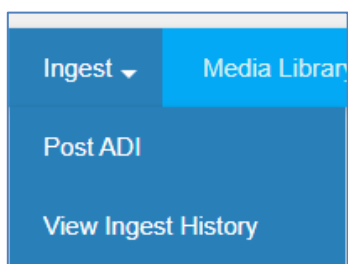
The checksum needs to be correct as per the Video File for a VRP title, but not mandatory to be specifically correct for Non-VRP assets. The user can still see the correct checksum for every file uploaded in the tool in **(Media Library > List Media Checksum)** option and can use them for updates.

The user can also update additional media files into the tool library from either local machine or tank – which will then automatically calculate the checksum of the newly added video files. This is extremely handy for the use in VRP titles. Uploading Media files will be discussed in [\(Section 1.2.6.3\)](#)

Please refer to the screenshot of the form [here](#)

The Movie File URL in the form only needs the Filename. The Path will be decided automatically based on either Standard Title or VRP Title and the default config. This can be viewed and set under **(Admin > View Default Media/Path)** and **(Admin > Update Default Media/Path)**. We shall discuss this in details in [\(Section 1.2.7.3\)](#) and [\(Section 1.2.7.4\)](#) respectively.

1.2.5 Ingest



This option allows user to ingest or post the ADI/Asset directly into the desired environment.

Only the Standard Title can be directly posted to the CMS / VMS Endpoint, but the VRP titles needs to be packaged as a Tar file and needs to be uploaded into the VRP watch folder of the respective test environment

1.2.5.1 Ingest – Post ADI

This option **(Ingest > Post ADI)** allows the user to post the Standard Title to the desired environment. Please refer to the screenshot [here](#).

User either has an option to enter the AssetId or choose an ADI XML file from local machine to post.

User can specify the endpoint as CMS/VMS for specific test environment in the Environment/Endpoint input box and choose the asset source based on the following guide.

Only Non-VRP type of assets are posted directly through this option. The following standard title goes through CMS endpoint with asset source normally = 'testsource'

- SVOD – Subscription Video On Demand (VOD) (offer type = SVOD, Term Type = Archive)
- RENTAL – Rental VOD (offer type = IPPR, Term Type = Archive)
- CATCHUP VOD – Catchup VOD (offer type = SVOD, Term Type = CUTV)
- CATCHUP EPISODE – Catchup Episode (Catchup Series, offer type = SVOD, Term Type = CUTV)
- SVOD EPISODE – Subscription VOD Episode (SVOD Series, offer type = SVOD, Term Type = Archive)
- DPL SVOD – SVOD asset with Dynamic Playlist Template
- DPL CATCHUP – DPL Catchup Asset with Dynamic Playlist Template
- DPL SVOD EPISODE – SVOD Series with Dynamic Playlist template
- DPL CATCHUP EPISODE – Catchup Series with Dynamic Playlist template

The following asset Types goes through the VMS Endpoint

- EST Single Title (asset source = 3ST)
- EST Show (asset source = 3BS)
- EST Seasons (asset source = 3BS)
- EST Episodes (asset source = 3EP)
- Non-VRP 4k or UHD assets (asset source = uhdbss)

1.2.5.2 Ingest – View Ingest History

This option (**Ingest > View Ingest History**) allows the user to check what version of the ADI is ingested to which environment on what time along with the conversation ID which can be either checked against the CMS status log or the VMS logs / UI.

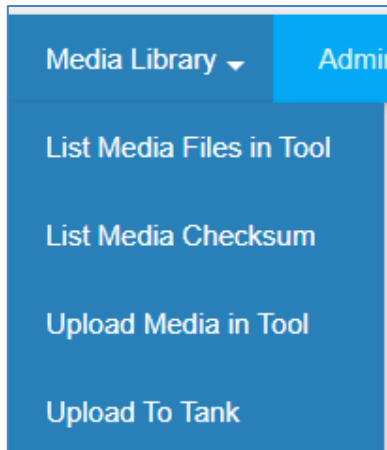
User has to enter the AssetId and click on 'Get Ingest History'

The screenshot shows the 'sky I&T OnDemand Asset Generator' web application. The top navigation bar includes links for Home, Create package, View, Update Package, Ingest, Media Library, Admin, OMDb, and Help. Below the navigation bar, the 'Get Ingest History' section contains a text input field labeled 'AssetId' and a blue button labeled 'Get Ingest History'.

Sample response for View Ingest History

history	assetId	provider_version	environment	conversationId	ingest_timestamp
	2020022417385001	1	TS2-VMS	25113414	11:34:14 25/02/2020
total	1				

1.2.6 Media Library



This is one of the most important part of the tool which is required to manage the video files, trailer and images. With this option user can add media files and calculate checksum externally from local machine or the tank.

The user can view the added files. These files are stored in the tool library and can be reused at any stage. Files added here will be listed in the dropdown of the 'Create Asset' forms. They will not be deleted upon the restart.

It is not essential to add media in the tool library for Standard Title, but essential for creating VRP Title and the TAR Files.

1.2.6.1 Media Library – List Media Files in Tool

This option **(Media Library > List Media Files in Tool)** allows the user to list the supporting media files added to the tool library

1.2.6.2 Media Library – List Media Checksum

This option **(Media Library > List Media Checksum)** allows the user to list the supporting media files added to the tool library along with their checksum

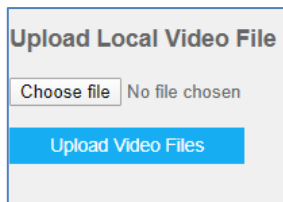
Sample response for List Media Checksum

files	filename	checksum	image_group
	_Modern Family1-CA.jpg	ccc5a59dbb8ee09af3f92cf78e1f9186	
	HD_1_min.ts	38b25921962429459e84105f9ebc30b8	None
	FinestHours_Trailer.ts	f4ee486d734bb812498b31624354f248	None
	DPL_VIDEO_FILE.ts	2e78cb32788e099db6a3118a074bc9a9	None
	SD_2_min.ts	8e003a54635310a6da4d7bdf4f96c46	None
	HDR_MOVIE.ts	cb6a578d7551d7908c7ee88c3bdf9deb	None
	HD_MOVIE.ts	2e78cb32788e099db6a3118a074bc9a9	None
	4K_SDR_MOVIE.ts	806761c26916f9a26abb547188c62cf6	None

1.2.6.3 Media Library – Upload Media in Tool

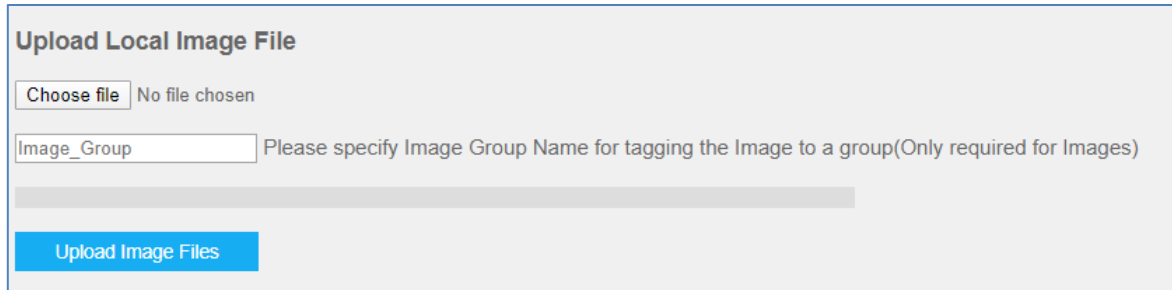
This option **(Media Library > Upload Media in Tool)** allow the user to add supporting media like Image Files and Videos or trailer into the tool library from either the local machine or tank. Please refer to the screenshot of this form [here](#).

1.2.6.3.1 Upload Media in Tool - Upload Local Video Files



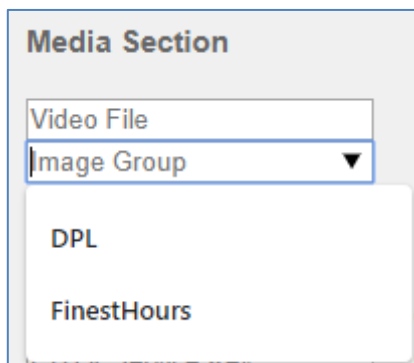
This option will upload Video Files from Local machine. This will automatically calculate the checksum and after successful adding and calculating checksum, it will display the checksum window (See Section 1.2.6.2)

1.2.6.3.2 Upload Media in Tool - Upload Local Image File



This option will upload Image Files from local machine. This will automatically calculate the checksum and after successful adding and calculating checksum, it will display the checksum window (See [Section 1.2.6.2](#))

It not mandatory, yet a good practice to add an image group name while uploading an image. This would add the image to a group and many images of different sizes can be added to the same group and can be re-used in the subsequent ADIs.



For example, the default images for the Non-DPL Titles are added to a group called 'FinestHours'. So this image group can be found in the dropdown section of the 'Create Asset Form'.

An image group of 'DPL' is added by default which can be used for the DPL assets

1.2.6.3.3 Upload Media in Tool – Download Media From Tank

This option will upload any form of a media (video, image or trailers) from the Tank path specified to the Tool Library by 'scp' protocol and calculate the checksum automatically and after successful adding and calculating checksum, it will display the checksum window ([See Section 1.2.6.2](#))

Download Media From Tank

Enter the Filename with Complete Path in Tank to Download From

Filename	**
Full Tank Path	**
Image_Group	Please specify Image Group Name for tagging the Image to a group(Only required for Images)
pdfptst	**
*****	**

Download From Tank

User need to ensure that the filename and Full Tank Path is specified while 'scp' of the Files from Tank to the local library. The username and password for Tank is user input and gets cached and saved on your browser password history upon entering the first time.

The user also has option to copy multiple files using a wildcard char (*) after the filename. Example: Armageddon* should transfer all images starting with that characters in the given tank location.

If an image is transferred, specifying the 'Image_group' is advantageous. Please refer ([Section 1.2.6.3.2](#)) for the usage of Image group.

1.2.6.4 Media Library – Upload To Tank

This option (**Media Library > Upload To Tank**) option allows the user to upload Video Files, Images, Created VRP tar files or any other file types to the Tank directly (VRP TAR packages to be placed in Staging folder).

The Image and Video tank locations of our test environments are pre-configured. User can choose the file type and the environment to use a present tank destination path.

User can also enter the full Tank Path location directly to upload a file. The user also has option to copy multiple files using a wildcard char (*) after the filename. Example: Armageddon* should transfer all images starting with that characters to the given tank location.

1.2.7 Admin

Admin ▾

OMDB

Add Default Media

Delete

View Default Media/Path

Update Default Media/Path

This option allows the user to perform several admin tasks to ensure proper creation of Asset ADIs and TAR Packages. User can load default media into the library and delete supporting files from the library

1.2.7.1 Admin – Add Default Media

This option **(Admin > Add Default Media)** allows the user to load the default media files from the Tank. This is only required after the application is downloaded from the repository and started for the first time. This is mentioned in the Prerequisite section. Please refer the form [here](#)

Enter the User ID and Password and click on **‘Get From Tank’** button

The progress bar will show the progress of the files being copied

After a successful copy, the List of Files with the Checksum will be displayed as per [section \(1.2.6.2\)](#)

1.2.7.2 Admin – Delete

This option **(Admin > Delete)** will allow user to cleanup Assets or Media Files or VRP Packages or Image Groups. Please refer to the delete form [here](#).

1.2.7.2.1 Delete Asset

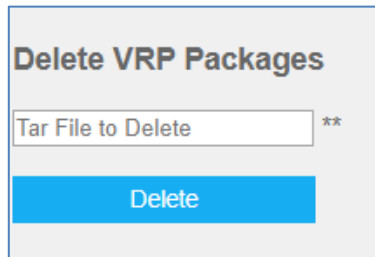
This option will allow the user to delete the assets from the tool database. It will not delete assets from the actual Test Environment

1.2.7.2.2 Delete Local Media Files

This option will allow the user to delete local media files like videos or images by selecting individual filename. From time to time, video files need to be cleaned up from the tool library, as this may affect overall performance of the tool.

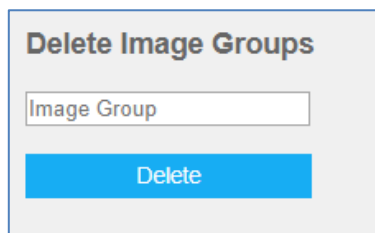
So the best practice would be to delete the files other than the default media files after the usage.

1.2.7.2.3 Delete VRP packages



This option will allow the user to delete locally created VRP TAR files. User needs to specify the TAR File name and click on 'Delete'. This will take the user back to the list of TAR Files saved in the tool.

1.2.7.2.4 Delete Image Groups



This option will allow user to delete a group of images from the Library. User can either select the Image Group in the dropdown or manually enter a wildcard for the images to be removed from the tool library.

1.2.7.3 Admin – View Default Media/Path

This is one of the most important feature (**Admin > View Default Media/Path**) to view the default configurations for ADI creation. This handles the Video Path and Image Path that are going to be created for the Standard Non-VRP Assets that would specify the video and image tank file path in the ADI.

The video **file path** in the Movie Section of the ADI will be determined with settings from Default Media path

```
<content:SourceUrl>Providers/BSS/Content/Distribution/TestFiles/SD_4_sec.mpg</content:SourceUrl>
```

Also the image file path in the Images (Thumbnail and Presspack) Section of the ADI will be determined with the settings from Default Media path

```
<content:SourceUrl>tank/Images/adi_t/FinestHours_182x98.jpg</content:SourceUrl>
```

This setting also determines the default video files to be used for the different video formats based on the Providers used

Sample response for View Default Media Path

config	Video Path	Providers/BSS/Content/Distribution/TestFiles/
	Image Path	Images/ByPankaj
	HD Video	HD_MOVIE.ts
	SD Video	SD_2_min.ts
	4K Video	4K_SDR_MOVIE.ts
	HDR Video	HDR_MOVIE.ts
	DPL Video	DPL_VIDEO_FILE.ts
	EST Video	HD_MOVIE.ts
	Trailer	FinestHours_Trailer.ts
	Standard Image	FinestHours
	DPL Image	DPL

1.2.7.4 Admin – Update Default Media/Path

Though video file / images can be user specified during the Asset Creation State as per [\(section 1.2.2\)](#), still this option **(Admin > Update Default Media/Path)** gives an opportunity to update some of the default config on the fly without the restart of the tool. This would ensure that all the subsequent ADIs created will have the updated video file / images / file path. The ADIs created with previous setting will not be disturbed.

Update Default Config

** Only required if updating a Default Video File. Skip for other fields.

Update Default Config

The input Default Config is a dropdown with the following predefined values that can be updated on the fly.

Updates made by the user are reflected in the SQLite Database.

1.2.8 OMDb

This is an optional feature to consult an open Media Database Source to get some enriched metadata about any title. This includes synopsis, title, production year and images.

Consult OMDb

Get OMDb Real Data

Create Resized Images from OMDb

Resize Images

1.2.8.1 Consult OMDb

This option allows a user to consult OMDb Real Data and get enriched data back if the title exists in the Open Movie Database

Sample Response with a Search with Movie Title: Armageddon

packages	Title	Armageddon
	Synopsis	After discovering that an asteroid the size of Texas is going to impact Earth in less than a month, N.A.S.A. recruits a misfit team of deep core drillers to save the planet.
	Image_URL	https://m.media-amazon.com/images/M/MV5BMGM0NzE2YjgtZGQ4YS00MmY3LTg4ZDMYjUwNTNiNTJhNTQ5XkEyXkFqcGdeQXVyMTQxNzMzNDI@._V1_SX300.jpg
	Year	1998

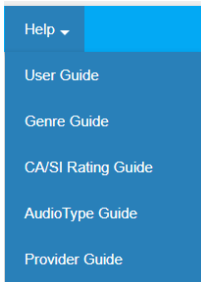
1.2.8.2 Create Resized Images from OMDb

This option allows user to create all the 6 predefined realistic image sizes from the Base Image from OMDb for the title and download it into the tool library, calculate the checksums automatically and list the files that are added.

Sample Response after creation of Images for Movie Title: Armageddon

files	filename	checksum	image_group
	Armageddon_456x257.jpg	27e805f39341daa6672c587996283095	Armageddon
	Armageddon_262x349.jpg	ee262bbcbfb5a58bd870c6ab7ef0e54c	Armageddon
	Armageddon_1920x1080.jpg	068008a18562059516628414b802b2d8	Armageddon
	Armageddon_800x600.jpg	939b640389a73631230e199b188a4052	Armageddon
	Armageddon_182x243.jpg	30835e07764d5340d0496da3da913b56	Armageddon
	Armageddon_182x98.jpg	e7272ba25587d5580fe69f9303a90780	Armageddon

1.2.9 Help



This section gives the user a comprehensive guide how to use the tool and some additional information on what values to be used for specific metadata which has impact on the asset metadata displayed on the Set Top Box

1.2.9.1 User Guide

Main PDF Guide for the Asset Generator Tool. (This document)

1.2.9.2 Genre Guide

A comprehensive guide to the '<genre:subgenre>' combination that can be used for populating the different types of genre for created assets.

Ref: http://localhost:5000/genre_guide

1.2.9.3 CA/SI Rating Guide

A comprehensive guide to the CA and SI rating that the user can use to see different parental ratings and the mandatory pin combinations the user can see in STB based on the user inputs in the ADI

Ref: http://localhost:5000/rating_guide

1.2.9.4 AudioType Guide

A comprehensive guide to the Audio Types that the user can use for creating the Assets and what value it would translate into on OIG and STB based on user inputs in the ADI

Ref: http://localhost:5000/audio_guide

1.2.9.5 Provider Guide

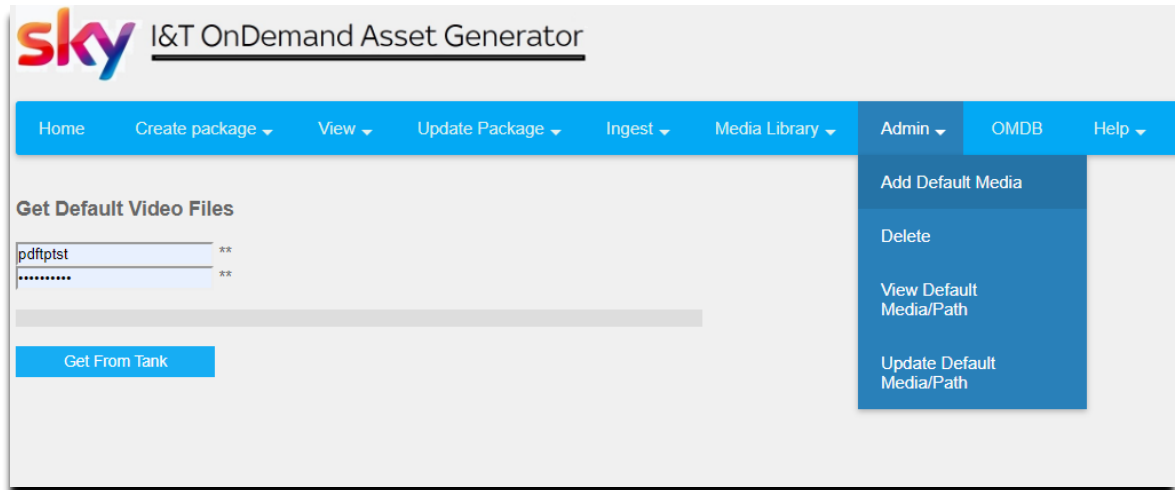
An illustrative example guide of the Provider IDs that the user can use for different type of assets supported by the Tool.

Ref: http://localhost:5000/provider_guide

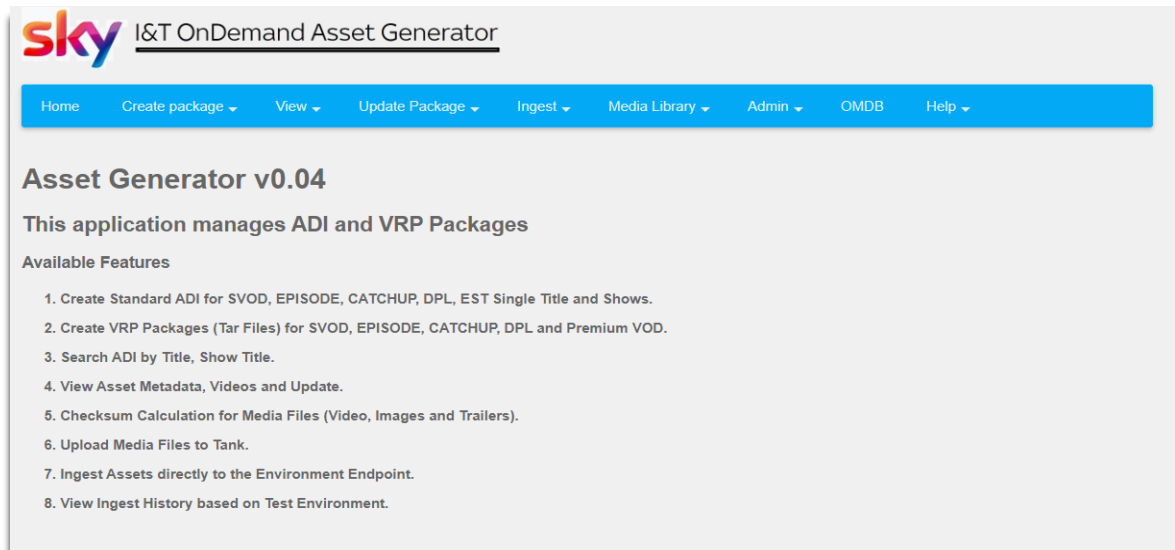
1.3 Appendix

1.3.1 Screenshots

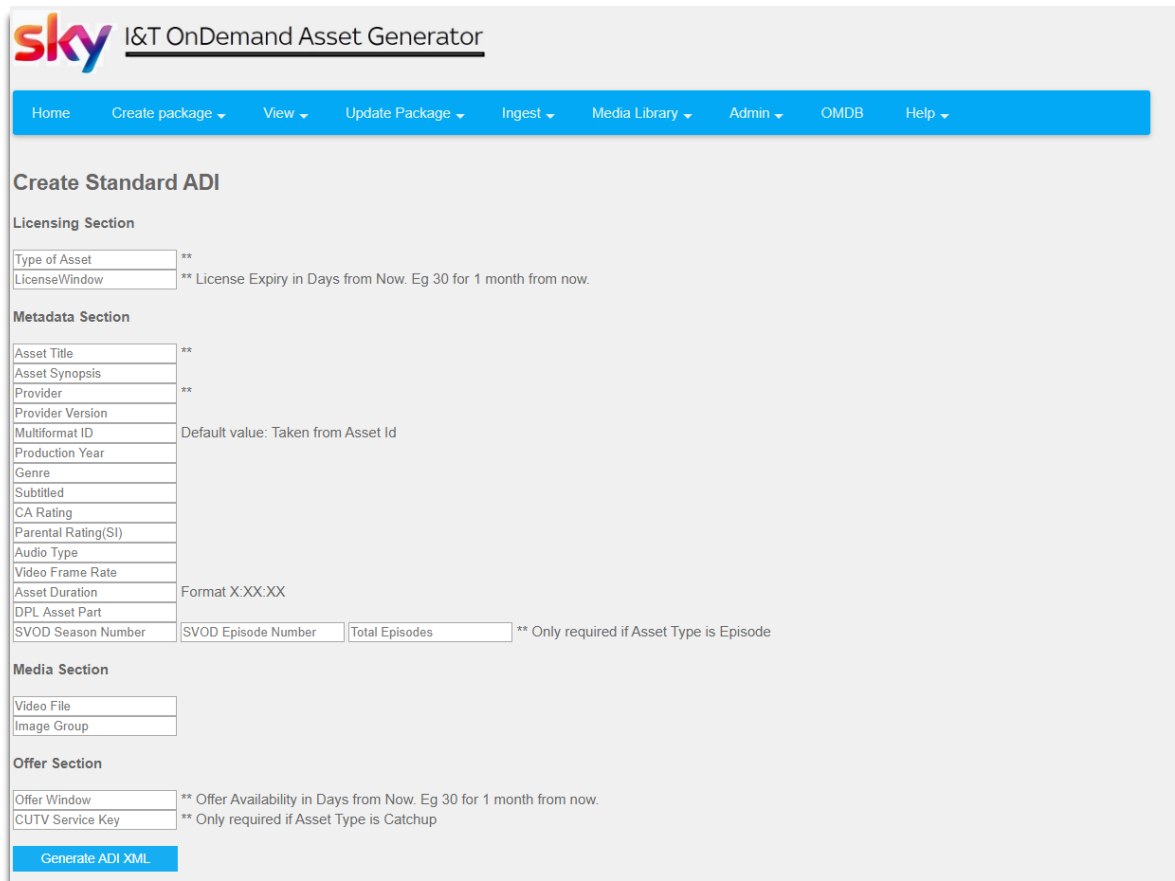
1.3.1.1 Screenshot – Admin > Add Default Media



1.3.1.2 Screenshot – Home



1.3.1.3 Screenshot – Create Package > Standard Title



The screenshot displays the 'Create Standard ADI' form within the Sky I&T OnDemand Asset Generator application. The interface includes a top navigation bar with links: Home, Create package, View, Update Package, Ingest, Media Library, Admin, OMDB, and Help. The main content area is titled 'Create Standard ADI' and is divided into four sections: Licensing Section, Metadata Section, Media Section, and Offer Section. Each section contains various input fields and labels, some with asterisks indicating required fields. A 'Generate ADI XML' button is located at the bottom of the form.

sky I&T OnDemand Asset Generator

Home Create package View Update Package Ingest Media Library Admin OMDB Help

Create Standard ADI

Licensing Section

Type of Asset **
 LicenseWindow ** License Expiry in Days from Now. Eg 30 for 1 month from now.

Metadata Section

Asset Title **
 Asset Synopsis
 Provider **
 Provider Version
 Multiformat ID Default value: Taken from Asset Id
 Production Year
 Genre
 Subtitled
 CA Rating
 Parental Rating(SI)
 Audio Type
 Video Frame Rate
 Asset Duration Format X:XX:XX
 DPL Asset Part
 SVOD Season Number SVOD Episode Number Total Episodes ** Only required if Asset Type is Episode

Media Section

Video File
 Image Group

Offer Section

Offer Window ** Offer Availability in Days from Now. Eg 30 for 1 month from now.
 CUTV Service Key ** Only required if Asset Type is Catchup

Generate ADI XML

1.3.1.4 Screenshot – Create Package > VRP Single Title

sky I&T OnDemand Asset Generator

Home Create package View Update Package Ingest Media Library Admin OMDB Help

Create VRP ADI

Licensing Section

Type of Asset **
LicenseWindow ** License Expiry in Days from Now. Eg 30 for 1 month from now.

Metadata Section

Asset Title **
Asset Synopsis
Provider **
Provider Version
Multiformat ID Default value: Taken from Asset Id
Production Year
Genre
Subtitled
CA Rating
Parental Rating(SI)
Audio Type
Video Frame Rate
Asset Duration Format X:XX:XX
DPL Asset Part
SVOD Season Number SVOD Episode Number Total Episodes ** Only required if Asset Type is VRP Episode

Media Section

Video File
Image Group

Offer Section

Offer Window ** Offer Availability in Days from Now. Eg 30 for 1 month from now.
CUTV Service Key ** Only required if Asset Type is Catchup

Generate VRP ADI

1.3.1.5 Screenshot – Create Package > EST Box Set

sky I&T OnDemand Asset Generator

Home Create package View Update Package Ingest Media Library Admin OMDB Help

Create EST Show

** Mandatory Fields. Optional fields populates default values as per 'config.properties' file.

Licensing Section

Type(Movie/Show) **
PO/CS/REG ** Order Types: PO=PreOrder; CS=ComingSoon; REG=Regular.
LicenseWindow ** License Expiry in Days from Now. Eg 30 for 1 month from now.

Metadata Section

Show Title **
Show Synopsis
Provider Version
Number of Seasons Default No of Seasons:1
Number of Episodes Default No of Episodes/Season:2
CA Rating
Parental Rating(SI)

Media Section

Episode Video File
Show Image Group

Offer Section

PO Offer Window CS Offer Window REG Offer Window

** Offer Availability in Days from Now. Eg 30 for 1 month from now. Incase of multiple offers, the hiatus would be created automatically

Purchase Option **

Generate Show Package

1.3.1.6 Screenshot – Create package > Create EST Single Title

sky I&T OnDemand Asset Generator

Home Create package View Update Package Ingest Media Library Admin OMDB Help

Create EST Single Title

**** Mandatory Fields. Optional fields populates default values as per 'config.properties' file.**

Licensing Section

PO/CS/REG **** Order Types: PO=PreOrder; CS=ComingSoon; REG=Regular.**
 LicenseWindow **** License Expiry in Days from Now. Eg 30 for 1 month from now.**

Metadata Section

Title ******
 Synopsis
 Provider Version
 Production Year
 Subtitled
 CA Rating
 Parental Rating(SI)
 Audio Type
 Video Frame Rate
 Asset Duration Format X:XX:XX

Media Section

Video File
 Image Group

Offer Section

PO Offer Window CS Offer Window REG Offer Window

**** Offer Availability in Days from Now. Eg 30 for 1 month from now. Incase of multiple offers, the hiatus would be created automatically**

Purchase Option ******

Generate ADI XML

1.3.1.7 Screenshot – Create package > Create VRP Package

sky I&T OnDemand Asset Generator

Home Create package View Update Package Ingest Media Library Admin OMDB Help

Create VRP Tar

First Make sure that the VRP ADI is created from Create Package > VRP Single Title option.

Also please ensure that the library has all the supporting media files saved. You can add media files to the tool from Media Library > Upload Media to Tool Library option.

AssetId ******
 Filename(example.tar) ******

Create VRP TAR File

1.3.1.8 Screenshot – View > Search Assets

sky I&T OnDemand Asset Generator

Home Create package View Update Package Ingest Media Library Admin OMDB Help

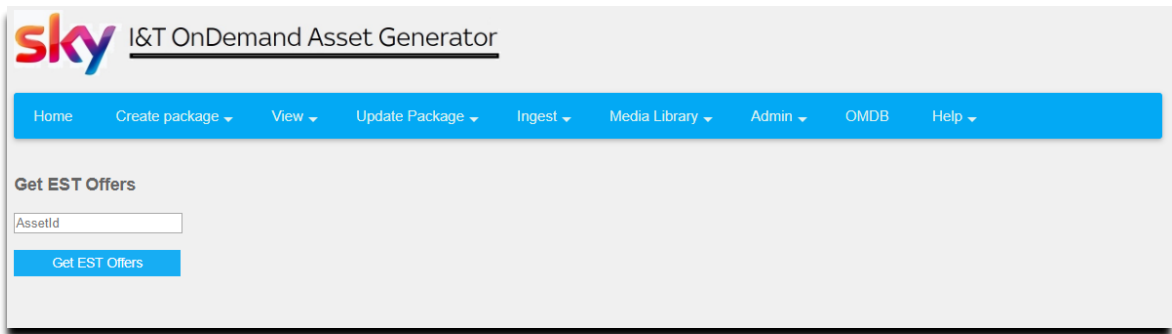
Search Title

Single Title
 Search

Search EST Box-Set

EST Show Title
 Search

1.3.1.9 Screenshot – View > Get EST Offers



sky I&T OnDemand Asset Generator

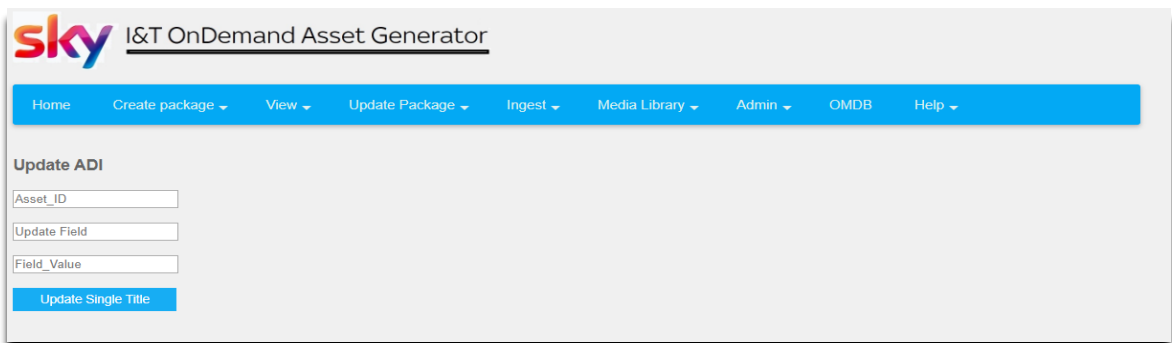
Home Create package View Update Package Ingest Media Library Admin OMDB Help

Get EST Offers

AssetId

Get EST Offers

1.3.1.10 Screenshot – Update Package > Update Metadata



sky I&T OnDemand Asset Generator

Home Create package View Update Package Ingest Media Library Admin OMDB Help

Update ADI

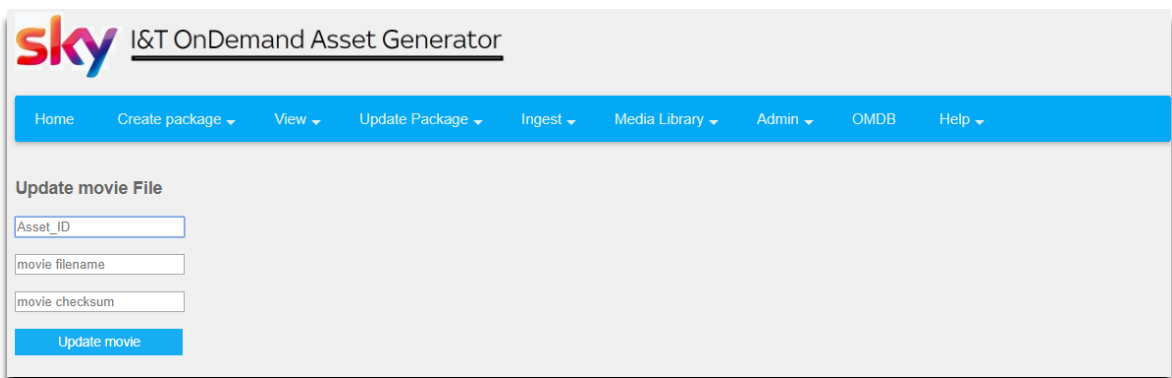
Asset_ID

Update Field

Field_Value

Update Single Title

1.3.1.11 Screenshot – Update Package > Update Movie File



sky I&T OnDemand Asset Generator

Home Create package View Update Package Ingest Media Library Admin OMDB Help

Update movie File

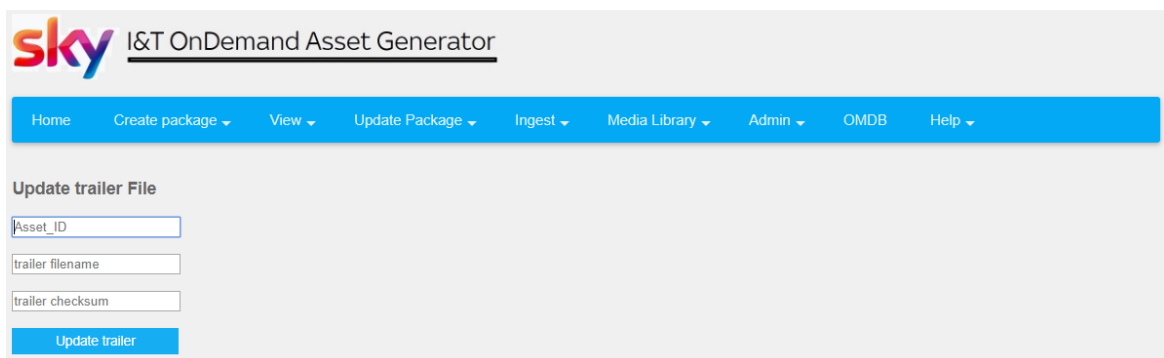
Asset_ID

movie filename

movie checksum

Update movie

1.3.1.12 Screenshot – Update Package > Update Trailer File



sky I&T OnDemand Asset Generator

Home Create package View Update Package Ingest Media Library Admin OMDB Help

Update trailer File

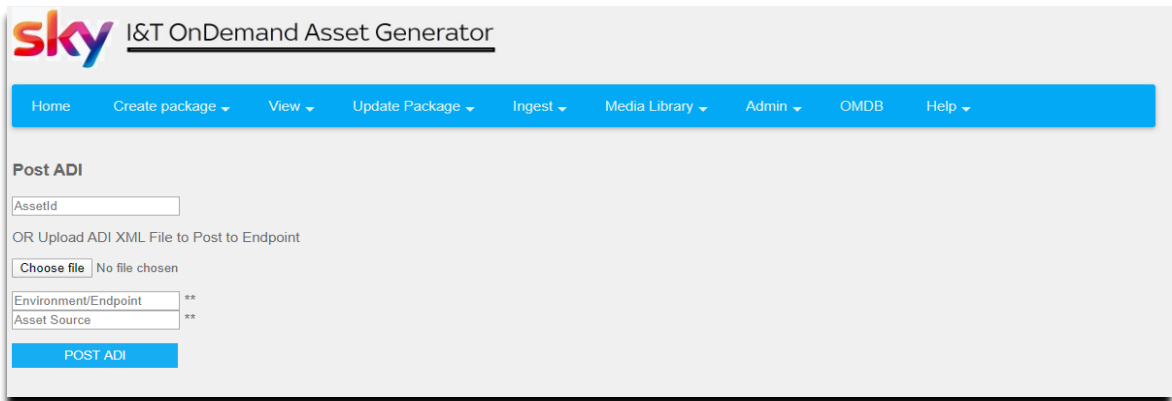
Asset_ID

trailer filename

trailer checksum

Update trailer

1.3.1.13 Screenshot – Ingest > Post ADI



The screenshot displays the 'sky I&T OnDemand Asset Generator' web application. The top navigation bar is blue and contains the following links: Home, Create package ▾, View ▾, Update Package ▾, Ingest ▾, Media Library ▾, Admin ▾, OMDB, and Help ▾. Below the navigation bar, the page title 'Post ADI' is displayed. The form contains the following fields and controls:

- An 'AssetId' text input field.
- A text label: 'OR Upload ADI XML File to Post to Endpoint'.
- A file upload control with a 'Choose file' button and the text 'No file chosen'.
- An 'Environment/Endpoint' text input field with a double asterisk (**) indicating it is required.
- An 'Asset Source' text input field with a double asterisk (**) indicating it is required.
- A blue 'POST ADI' button at the bottom of the form.

1.3.1.14 Screenshot – Media Library > Upload Media in Tool

Upload Local Video File

No file chosen

Upload Local Image File

No file chosen

Please specify Image Group Name for tagging the Image to a group(Only required for Images)

Download Media From Tank

Enter the Filename with Complete Path in Tank to Download From

<input type="text" value="Filename"/>	**
<input type="text" value="Full Tank Path"/>	**
<input type="text" value="Image_Group"/>	Please specify Image Group Name for tagging the Image to a group(Only required for Images)
<input type="text" value="pdfpptst"/>	**
<input type="text" value="*****"/>	**

1.3.1.15 Screenshot – Admin > Delete

Delete Asset

**

Delete Local Media Files

**

Delete VRP Packages

**

Delete Image Groups

1.3.1.16 Screenshot – Premium VOD VRP naming convention

Premium VOD file naming conventions

File naming convention for UHD SDR VRP packages

CP_REGEX='^\\.\\pvd[_0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ]{1,100}_UHDSDR[_0123456789vV]{0,10}.tar\$'

The filename must be as follows:

1. starts with 'pvd'
2. followed by a string of numbers, letters and underscores between 1 and 100 characters long
3. followed by '_UHDSDR'
4. followed by a string of numbers, letter 'V','v' and underscores between 0 and 10 characters long
5. ends with .tar

File naming convention for HD SDR VRP packages

CP_REGEX='^\\.\\pvd[_0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ]{1,100}_HDSDR[_0123456789vV]{0,10}.tar\$'

The filename must be as follows:

1. starts with 'pvd'
2. followed by a string of numbers, letters and underscores between 1 and 100 characters long
3. followed by '_HDSDR'
4. followed by a string of numbers, letter 'V','v' and underscores between 0 and 10 characters long
5. ends with .tar

1.3.2 Installation and Configuration

The following guide gives a comprehensive idea about the installation and configuration of the tool.

1.3.2.1 Local Installation and Startup

- Download and Install Python 3+ from <https://www.python.org/downloads/>
- Install git bash from <https://gitforwindows.org/>
- Clone the ADI Explorer git repo by opening the git bash as administrator **git clone <git_repo_to_be_updated>**
- Go to the folder adi_explorer. **cd adi_explorer** from git bash command line
- Run the command **pip3 install -r requirements.txt**
- Go to the utils directory. **cd utils**
- Run the script **./start_app.sh --new-db** to create a new database instance
OR **./start_app.sh --old-db** to use an existing database from pre-run.

Note: Normally the **./start_app.sh --new-db** usage is only to start for the first time or in case of any database corruption. Else user should use **./start_app.sh --old-db**

The shutdown script can be also found in the same 'utils' directory - **./shutdown.sh**

1.3.2.2 Container Installation and Startup

The build comes with a Dockerfile to install and start it from a Cloud Ready Container. Please refer to the instructions in the **Readme.md file** in the <project_root> after cloning the repository.

1.3.2.3 Configuration

Though some of the main configurations of the tool can be modified on the fly using ([section 1.2.7.4](#)), there are still some more configurations which might be needed to be updated from time to time. They are controlled by the '**config.properties**' file in the project root once cloned from the version control system.

The file can be found in the <project_root>/utils directory and the content of the file is shown below

```
## Do not delete or rename any parameters. Only change the default values
within quotes if required ##
# HTML Server Properties
template_dir = '../templates'
static_dir = '../static'

# Allowed Package Types
default_standard_package = ['EST SINGLE TITLE', 'SVOD', 'RENTAL', 'CATCHUP
VOD', 'CATCHUP EPISODE', 'SVOD EPISODE', 'DPL SVOD', 'DPL CATCHUP', 'DPL SVOD
EPISODE', 'DPL CATCHUP EPISODE']
default_vrp_package = ['VRP SVOD', 'VRP PREMIUM VOD', 'VRP_RENTAL', 'VRP
CATCHUP VOD', 'VRP CATCHUP EPISODE', 'VRP SVOD EPISODE', 'VRP DPL SVOD', 'VRP
DPL CATCHUP', 'VRP DPL SVOD EPISODE', 'VRP DPL CATCHUP EPISODE']

# Default Metadata Parameters
default_synopsis = 'This is the synopsis of title named: '
default_provider_version = '1'
default_production_year = '2000'
```

```

default_ca_btc = '1'
default_par_rating = '1'
default_audio_type = 'Dolby 5.1'
default_frame_rate = '25'
default_subtitle_flag = 'false'
default_asset_runtime = '0:30:00'
default_movie_genre = '6:4'
default_episode_genre = '3:4'
default_asset_duration = 'PT1H30M00S'

# EST Show Specific Parameters
tv_show_provider = 'est_tvboxset_hd'
tv_episode_provider = 'est_tvbsepisode_hd'
movie_show_provider = 'est_movieboxset_hd'
movie_episode_provider = 'est_moviebtitle_hd'
est_title_provider = 'est_sbo_hd'
default_no_of_seasons = '1'
default_no_of_episodes = '2'
uk_std_price = '7.95'
uk_vip_price = '6.95'
il_std_price = '8.95'
il_vip_price = '7.95'

# ADI POST Endpoint Parameters
ts1_cms = 'http://localhost:14231/gateway/submit?'
ts1_vms =
'http://chipdlvwebt01.broadcast.bskyb.com/opencase/ContentProcessor/resource/rest/triggerworkflow?'
ts2_cms = 'http://localhost:14231/gateway/submit?'
ts2_vms =
'http://chipdlvwebt03.broadcast.bskyb.com/opencase/ContentProcessor/resource/rest/triggerworkflow?'
ts3_cms = 'http://localhost:14231/gateway/submit?'
ts3_vms =
'http://10.83.6.7/opencase/ContentProcessor/resource/rest/triggerworkflow?'
ts4_cms = 'http://localhost:14231/gateway/submit?'
ts4_vms =
'http://chipdlvinstt03.broadcast.bskyb.com/opencase/ContentProcessor/resource/rest/triggerworkflow?'
stage_cms = 'http://localhost:14231/gateway/submit?'
stage_vms =
'http://vmswkflowapt01.broadcast.bskyb.com/opencase/ContentProcessor/resource/rest/triggerworkflow?'

# TAR DIRECTORIES
premium_upload_dir = '../supp_files'
premium_vrp_dir = '../created_package'

# TANK CONFIGURATIONS
tank_host = 'chiethstors101.broadcast.bskyb.com'

# OMDb
omdb_host = 'http://www.omdbapi.com/?t='
omdb_api_key = '9534a8be'
omdb_image_dir = '../OMDb_Images/'

```

If any of the above default parameter is changed, the tool will need a restart using the shutdown and start_app.sh scripts from the <project_root>/utils directory.

1.3.2.4 Browse Database

This section explains how to access the database created by the tool to check any details directly in the database.

Download the optional Sqlite DB Browser <https://sqlitebrowser.org/dl/> to browse the database file for the tool: **<adi_explorer_project_root>/lib/db.sqlite**

1.3.2.5 Creating Socks Tunnel to Ingest Endpoints

Sometimes we may notice that from the local machine where the tool is running might not have access to the Ingest Endpoints due to firewall. An alternative is to create a Socks Tunnel to the endpoint to jump through the secure Jumpbox or non-CA jumpbox

- Login to any unix jump boxes and ***ssh -v -N -L <vam_port>:<vam_host>:<vam_port> username@jump_host***
- Open putty.exe and open session to same Jump box with a tunnel with source port 14231



Document Information

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Version	V 0.02
email address	Rajaish.puri@sky.uk ; krishnendu.banerjee@sky.uk
Mobile Phone	
Landline Phone	