Managing Video and Audio Content



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Overview



Working with Transcripts

Demo: Managing Transcripts using C#

Face Detection

Demo: Face Detection using C#

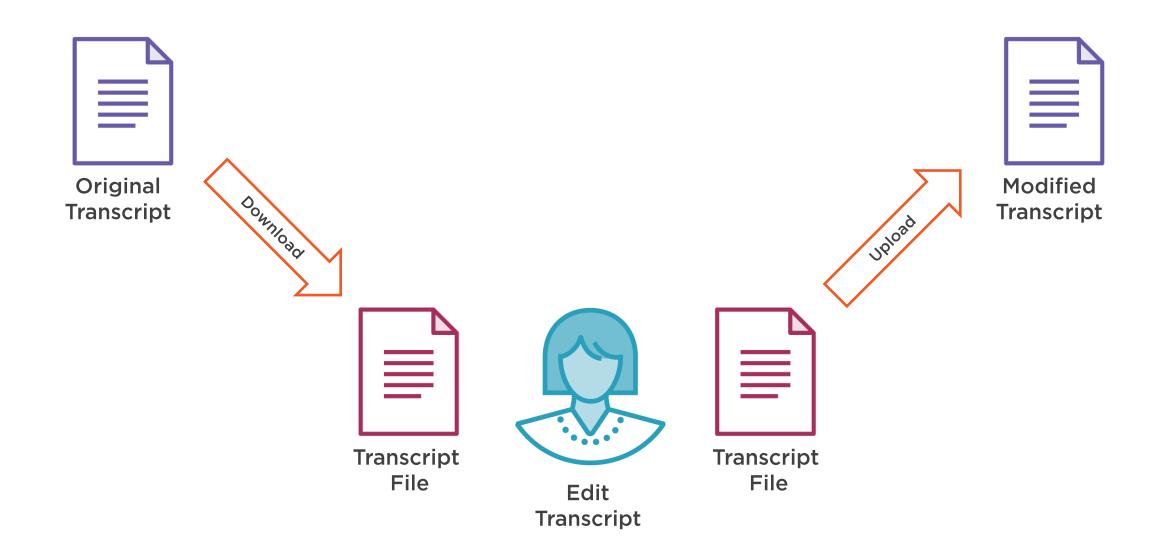
Demo: Face Detection using Python

Working with Transcripts

Generating a Transcript



Editing a Transcript



Get Video Captions

 $https://api.videoindexer.ai/\{location\}/Accounts/\{accountId\}/Videos/\{videoId\}/Captions[?indexId][\&format][\&language][\&accessToken] \\$

Parameter	Туре	Description	
location	string	Azure region hosting Video Indexer account, or "trial"	
accountId	string	Account ID, globally unique identifier (GUID)	
accessToken	string	API access token, requires account write authorization	
videold	string	ID of media asset	
indexId (optional)	string	ID of index to download captions from	
format (optional)	string	The captions file format. (Vtt/Ttml/Srt/Txt/Csv)	
language (optional)	string	The language of the captions.	

Update Video Transcript

 $https://api.videoindexer.ai/\{location\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Transcript?accessToken=\{accessToken\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Transcript?accessToken=\{accessToken\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Transcript?accessToken=\{accessToken\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Transcript?accessToken=\{accessToken\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Transcript?accessToken=\{accessToken\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Transcript?accessToken=\{accessToken\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Transcript?accessToken=\{accessToken\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Transcript?accessToken=\{accessToken\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Transcript?accessToken=\{accessToken\}/Accounts/Account$

Parameter	Туре	Description
location	string	Azure region hosting Video Indexer account, or "trial"
accountId	string	Account ID, globally unique identifier (GUID)
accessToken	string	API access token, requires account write authorization
videold	string	ID of media asset
Language (optional)	string	The language to update its transcription.
setAsSourceLanguage (optional)	boolean	If language will be set as source language
callbackUrl (optional)	string	Callback for when operation completes
sendSuccessEmail (optional)	string	Send email when operation completes

Demo



Managing Transcripts using C#

- Downloading a Transcript File
- Modifying a Transcript File
- Uploading a new Transcript File

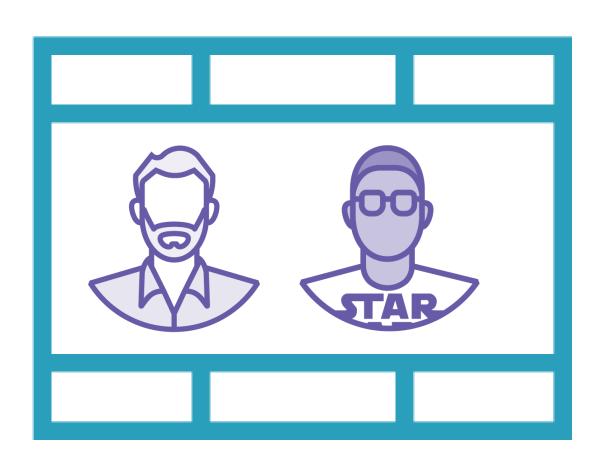
Celebrity Recognition



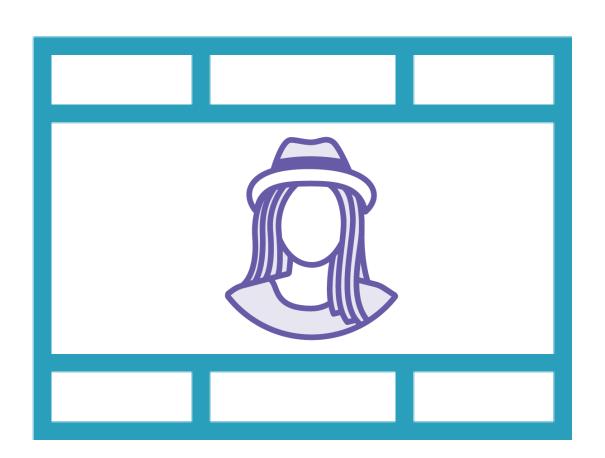
Around 1000 000 faces

Common data sources

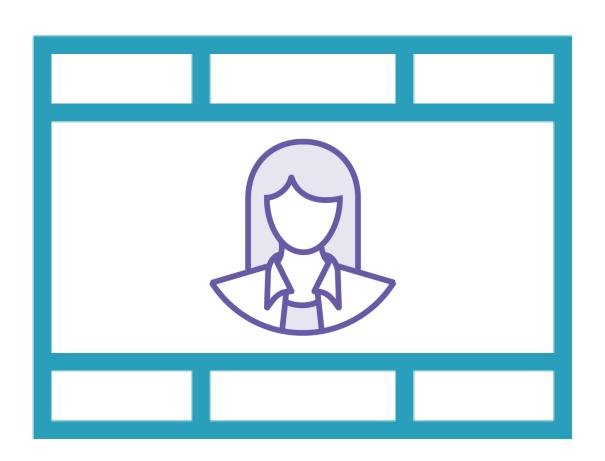
- IMDB
- Wikipedia







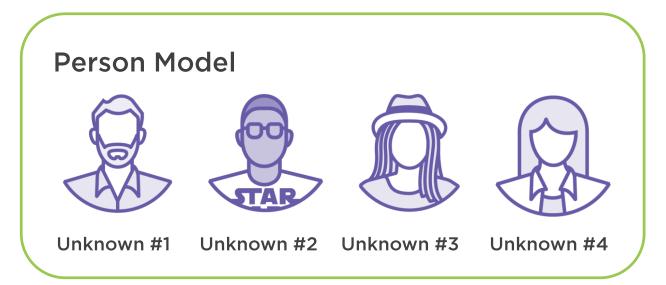


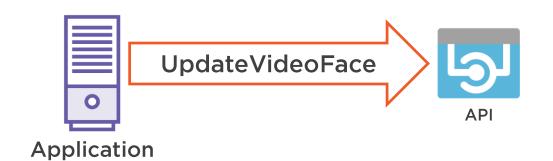


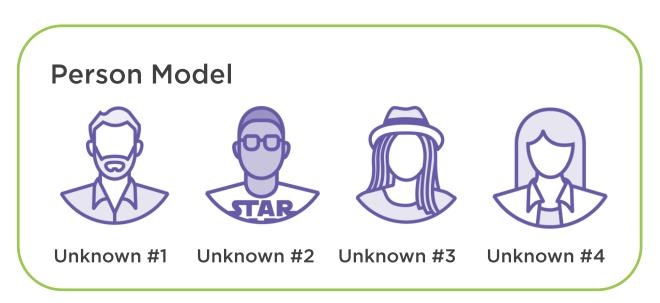


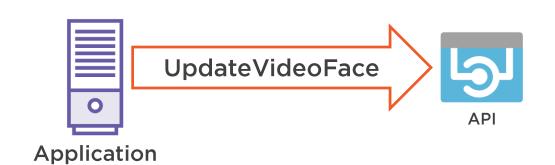


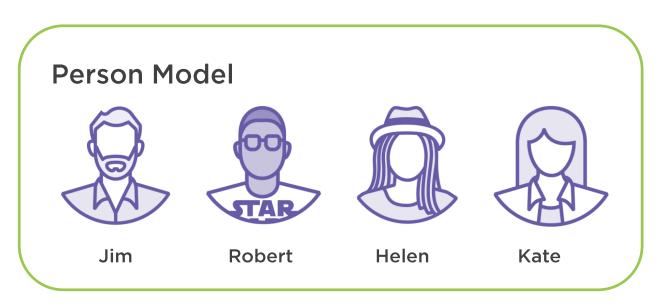


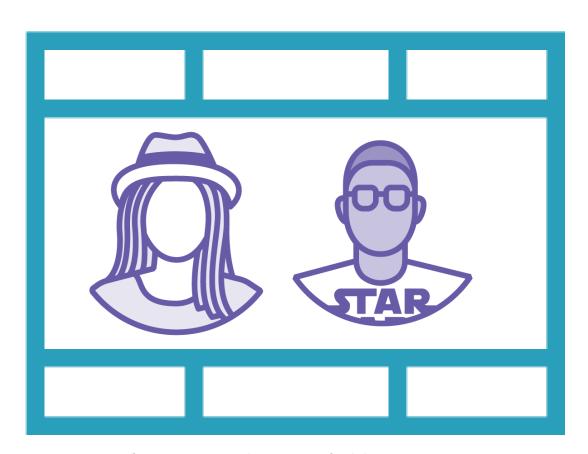


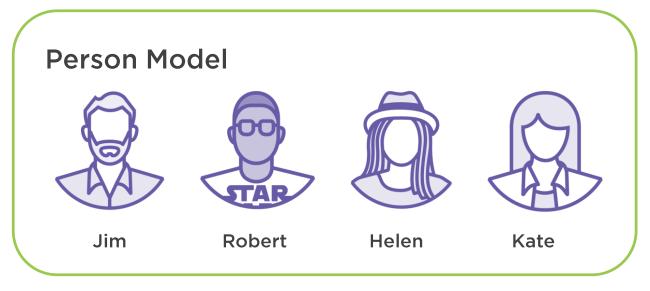






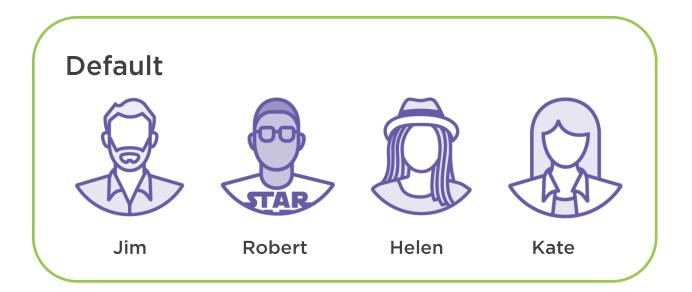






Helen appears in 63% of video Robert appears in 57% of video

Person Model





Update Video Face

 $https://api.videoindexer.ai/\{location\}/Accounts/\{accountId\}/Videos/\{videoId\}/Index/Faces/\{faceId\}[?newName][\&personId][\&createNewPerson][\&accessToken]] \\$

Parameter	Туре	Description
location	string	Azure region hosting Video Indexer account, or "trial"
accountId	string	Account ID, globally unique identifier (GUID)
accessToken	string	API access token, requires account write authorization
videold	string	ID of media asset
faceld	integer	Face ID to update
newName (optional)	string	Name of new face
personId (optional)	string	Person ID in GUID format
createNewPerson (optional)	boolean	Whether to create new person

Demo



Face Detection using C#

- Training Face Detection
- Testing Face Detection

Demo



Face Detection using Python

- Training Face Detection
- Testing Face Detection

Summary



Video Indexer API provides extensive management functionality

Management tasks can be automated using the API

Audio transcriptions can be edited to improve quality

Face recognition can be trained to recognize people