

# Azure Video OCR

- About
  - Azure Video OCR utilizes the results produced by Azure Video Indexer, including the main indexer file and the video OCR artifacts, and generates the standard AMP Video OCR JSON.
  - It has been added as a tool on AMP's Galaxy and performs video OCR on the input videos.
  - The output produced by this tool is a JSON consisting of the text and the corresponding bounding box information on each frame in the input.
- Source Code
  - **galaxy/tools/amp\_vocr/azure\_video\_ocr.xml** : This is the configuration file that details the tools usage, its inputs, outputs, version, and other things.
  - **galaxy/tools/amp\_vocr/azure\_video\_ocr.py** : This is a python wrapper to generate AMP Video OCR JSON based on Azure Video indexer JSON and Video OCR Artifacts JSON output from Azure Video Indexer.
  - **galaxy/tools/amp\_schema/video\_ocr.py** : Classes used to construct AMP Video OCR json output.
- Running
  - The tool can be invoked from Galaxy UI as other tools, it needs be used as the next MGM taking outputs from Azure Video Indexer with the include\_ocr flag set to true.
- Parameters
  - **input\_video**: The same input video file used by Azure Video Indexer
  - **azure\_video\_index**: Azure Video Index JSON output from Azure Video Indexer
  - **azure\_artifact\_ocr**: Azure Artifact OCR JSON output from Azure Video Indexer
- Outputs
  - **amp\_vocr**: The standardized AMP Video OCR JSON