**vollken\_uploader**

*A Small tool to upload joined file to* [*vollken\_service*](https://github.com/MantisVision/vollken-service)

**Forms:**

* GUI
* CLI

**Description**

This tool will allow only to upload joined files to our S3 repository. The uploaded files will be automatically processed via our cloud distributed solution vollken\_service

**Configuration**

The tool looks for the ./config/vollken\_uploader.cfg file for the configurations.  
There's a sample configuration file vollken\_uploader.cfg.sample that can be copied and used as the starting point for the configurations.  
Alternatively you can make a similar file with [vollken\_uploader]section holding with these parameters:

[vollken\_uploader]  
username=\*\*\*\*\*\*\*\*\*\*\*\*  
password=\*\*\*\*\*\*\*\*\*\*\*\*  
timezone=America/Los\_Angeles

**Usage**

**GUI:** The usage in the GUI tool is hoepfully self-explanatory.  
**CLI:** The CLI tool must have only 1 argument -i/--input, which will be the joined file.

**CLI options:**

-i/--input: local input file (joined.mvx)  
-g/--local-graph: Local graph to upload (optional)  
-b/--build: Custom build to use (optional)   
-n/--num-slices: Number of instances to launch (default: 15) (num of secs)   
--rclone: Using rclone as an uploader (default)  
--aws-cli: Using aws-cli as an uploader  
--boto3: Using boto3 as an uploader

**NOTE:** When using the --build command, don't specify the extension.

**Examples:**

PS> .\VollkenUploader.exe -i "D:\devRing\studio\27\_frames\_dance\StudioDance\_joined.mvx" --boto3

In this example the UUID will be StudioDance (case-sensitive).

More complex:

PS> .\VollkenUploader.exe -i "D:\devRing\studio\27\_frames\_dance\StudioDance\_joined.mvx" --build v2011 --local-graph "D:\graphs\new\_HQ\_mesh.xml" --aws-cli

**Upload Method**

This tool has 3 uploding methods, and can be defined with a CLI param as above (boto3 doesn't need to be configured manually).  
In order to use either rclone or aws-cli, one must install it's binraies and configure them properly.

*AWS-CLI-V2*

aws-cli can be download from [here.](https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html) Then configure with the VollkenUploader credentials (provided by Mantis-Vision)

PS> aws configure set aws\_access\_key\_id \*\*\*\*\*\*\*\*\*\*\*\*  
PS> aws configure set aws\_secret\_access\_key \*\*\*\*\*\*\*\*\*\*\*\*  
PS> aws configure set region \*\*\*\*\*\*\*\*\*\*\*\*

*Rclone*

rclone can be download from [here.](https://rclone.org/downloads/) Then configure with the VollkenUploader credentials (provided by Mantis-Vision)  
Use rclone config command with a new remote named **s3**.

**Metadata file**

Each joined file must have a metadata JSON file, including information regariding the asset.  
The gile must be in the same directory as the joined file holding the same name except the suffix \_metadata.json.  
This metadata file must be in this format exactly, if not the tool will raise an excpetion.  
**NOTE:** the \*\_URI attributes are empty for a reason, so keep them that way.

[ **<-** **Note** **the** **brackets**  
 {  
 "AccountID": "<STRING>",  
 "groups": "<STRING>",  
 "tags": "<STRING>",  
 "UUID": "<STRING>",  
 "Title": "<STRING>",  
 "Description": "<STRING>",  
 "Privacy": "True | False",  
 "VID\_URI": "",  
 "DATA\_URI": "",  
 "THUMBNAIL\_URI": "",  
 "Quality": "HQ | RT",  
 "email": "<STRING>",  
 "Date": "<STRING %m/%d/%Y %H:%M:%S format>"  
 }  
]

**Audio files**

Each joined file can have audio files (.wav and .ts), which will be uploaded also and later will be merged by vollken-service.  
For a successful merge, both files must be present, but vollken-uploader wiil not raise any Exception or error upon missing either of them.

**Input directory example**

.  
├── <UUID>\_joined.mvx   
├── <UUID>\_joined.xml  
├── <UUID>\_metadata.json  
├── <UUID>.ts (optional)  
└── <UUID>.wav (optional)

**Limitations and conventions:**

* Asset UUID will be extracted from the MVX joined file name before the "\_joined.mvx".
* Do not use underscore (\_) in the name at all.
* Each MVX joined file must end with "\_joined.mvx".
* Each MVX joined must have a metadata file.
* Metadata file name must be with the same name as the joined file (without the suffix).