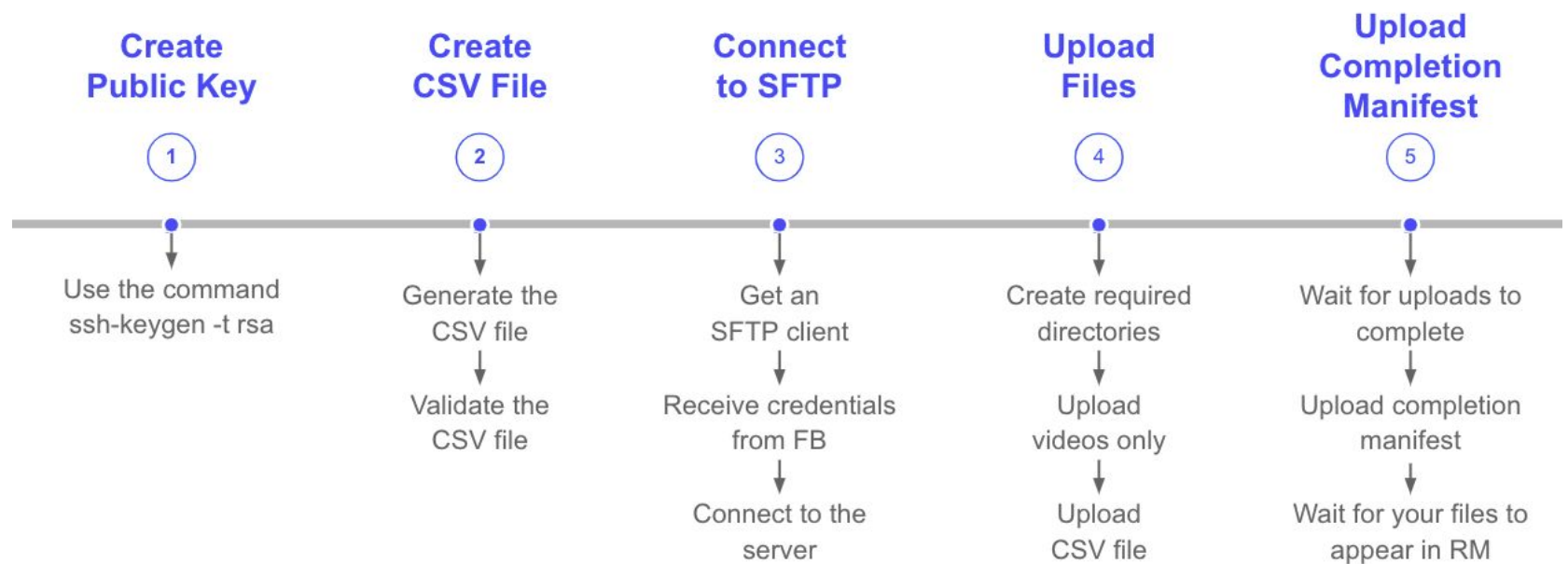# Rights Manager Scaled Ingestion

This document guides FB media partners through the process to upload video references in bulk for the Rights Manager. This process works for batches of up to 100,000 videos and uses SFTP.

Overview

This diagram illustrates the more general steps of the process. The details for each individual step can be found in the Steps section of this document.

Steps

Please follow these steps carefully to avoid issues during the uploading process.

1. **Creating a Public Key (RSA)**
   1.1.   Open a new terminal window
   1.2.   Enter the following into the command line: `ssh-keygen -t rsa`
   1.3.   Select the default values for all options
   1.4.   This command will generate two SSH key files - *id_rsa* and *id_rsa.pub* - in the directory /home/{username}/.ssh.
   1.5.   Send the file *id_rsa.pub* (the public key) to the FB team via email

2. **Creating the CSV file**
   2.1.   Create a CSV file in which you list all the videos that you will be uploading. Review the CSV Fields Reference section of this document for a detailed description of each field.
   2.2.   Review some CSV file examples:
      2.2.1.   Create
      2.2.2.   Update
      2.2.3.   Delete
   2.3.   **Validate** the CSV file using the following tool:
   https://developers.facebook.com/docs/rights-manager-video/csv-validator
   2.4.   Every video to be uploaded must appear in the CSV file
   2.5.   Every video in the CSV file must be uploaded (see step 5)

3. **Connecting to the SFTP Server**
   3.1.   Wait for us to send you the username and URL for the assigned SFTP server
   3.2.   You can use any SFTP client of your preference: CyberDuck, WinSCP, FileZilla, etc.
   3.3.   Use the username and URL sent to you and the SFTP client chosen to connect to the SFTP server
   3.4.   Use your generated key as authentication method

4. Uploading the files to the SFTP Server

4.1.   If this is the first time you connect to the SFTP server, **create a directory called *reference-files*** at the root level

4.2.   Inside the *reference-files* directory, **create a new subdirectory for the current package** of videos to be uploaded.

   4.2.1.   The package directory must be named using the current unix timestamp (ex: 1605524539). You can get this timestamp directly from the terminal using the command `date +%s` command, or from this website: https://www.unixtimestamp.com/

4.3.   Upload the videos into the package directory

   4.3.1.   There is a limit of 100,000 videos per package

   4.3.2.   Review the video formats allowed to upload: https://www.facebook.com/help/218673814818907

   4.3.3.   Review the video settings: https://www.facebook.com/help/1041366099316573

4.4.   Upload the CSV file into the same package

   4.4.1.   There is a limit of 100,000 video entries in the CSV file

   4.4.2.   Remember that for every video uploaded there must be exactly one entry in the CSV file.

5. Adding the completion manifest

5.1.   Wait for all the files to be completely uploaded

5.2.   Create an empty file named __*complete*__ (those are two underscores on each side) directly in the package directory, or upload it from your local computer

5.3.   Notice that the __*complete*__ manifest does not have any extension

5.4.   DO NOT UPLOAD THE MANIFEST UNTIL ALL THE OTHER FILES ARE SUCCESSFULLY UPLOADED

5.5.   DO NOT ADD OR EDIT ANY FILES ONCE THE COMPLETE MANIFEST IS UPLOADED

5.6.   WAIT for your files to appear in the Rights Manager tool that is part of the Creator Studio.

Troubleshooting

- ❏ The directory with the files (the batch directory) has to be named using a UNIX timestamp
- ❏ The batch directory must be uploaded as a *subdirectory of reference-files*
- ❏ Before uploading, *validate the CSV* to make sure the fields are valid
- ❏ For world-wide coverage you need to *use WW with capital letters*
- ❏ Upload the batch directory containing only the video files and the CSV, wait for a bit and then upload the completion manifest
- ❏ The completion manifest is an empty file named __complete__ (note the two underscores at the beginning and at the end of the word complete)
- ❏ Reach out to our FB team for assistance if needed.

CSV Fields Reference

Field	Description	Allowed Values	Optional?	Default Value	Maximum length
Filename	The filename of the reference file uploaded together with the CSV	Any string without spaces	Optional for updates and deletions		256
Territories	Countries in which copyright is held	Use "WW" for Worldwide Territories. For specific countries, use a list of ISO Alpha 2 Codes separated by a comma. The list must contain codes formed by two capital letters, and it must be surrounded by quotation marks. For example: "US, GB, NE"	Optional for creation		1000

Title	Title of the reference file	Any string	Optional		1000
Description	Self explanatory	Any string	Optional		3000
Category	Self explanatory	EPISODE, MOVIE, WEB	Required for creation and updates		-
Monitoring Type	Self explanatory	VIDEO_AND_AUDIO, VIDEO_ONLY, AUDIO_ONLY	Required for creation and updates		-
Match Rule ID	Self explanatory	ID of existing match rule	Optional		-
Reference Disabled	If matches should be created against this reference file	true, false	Optional	false	-
Whitelisted FB IDs	Which Facebook accounts should be whitelisted for usage	<empty list>, IDs of Facebook users	Optional on delete		1600
Whitelisted IG IDs	Which Instagram accounts should be whitelisted for usage	<empty list>, IDs of Instagram users	Optional on delete		1600
Tags	Self explanatory	Comma separated list of strings	Optional		2000
Copyright ID	ID of existing copyright	Must be valid copyright ID from data export	Optional for creation. Must be unique within the batch.		-
Action	The action to perform on the reference file / copyright	CREATE, UPDATE, DELETE	Optional	CREATE	-