FrameIO for Flame

January 2024

What the scripts do:

1. The Uploader scripts can search for the right FrameIO project or automatically create one based on the **Name** of your Flame Project.
2. They create a “CONFORMS” folder and a “SHOTS” folder in that project.
3. They export h264 mp4’s.
4. They upload the mp4’s into the appropriate folder.
5. They automatically create or update version stacks assuming you use v## or V#### for your versions.
6. The Get Comments script can grab all comments directly from FrameIO and make timeline or segment markers. Names including version# must match exactly. This works well for selecting multiple clips for sequences and creating timeline segments.
7. Contain updates to the “csv to markers” script found here.

What the scripts don’t do:

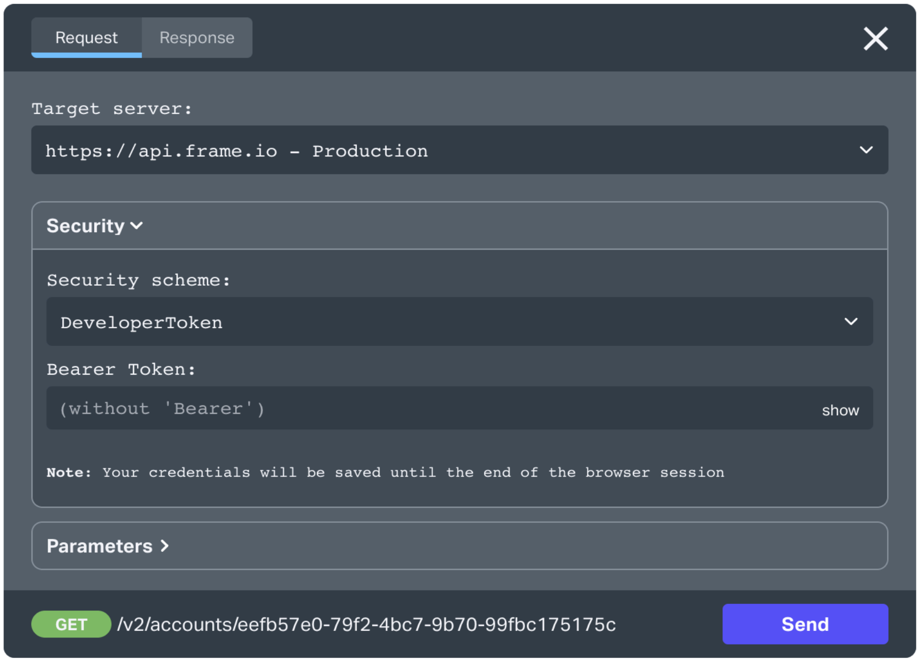
1. They don’t delete anything. But as an extra precaution, the tokens you’ll need to generate shouldn’t let you delete anything either.
2. They don’t open browsers.
3. They don’t retrieve annotations (aka red pens).
4. They don’t make Review Links. But if you’re using automatic version stacking, links will update automatically.
5. They don’t make Presentation Links.

Installation:

1. Download Scripts here or through the Logik Portal
2. Make sure you have the sudo password. This is necessary to install the python packages required by the scripts.
3. Copy the “frame_io” folder to /opt/Autodesk/shared/python/
4. Create an API token here.
   Warning - this part is fickle and may not generate the first time you hit “Submit,” but it’ll work eventually.
   I recommend turning everything on and then turning off all of the delete options. Once that’s set, give it a name and hit “Submit.” If you’re working with multiple artists, they’ll all

need to generate their own tokens. This is important if you want things to show up as uploaded by the right person.

5. Open /opt/Autodesk/shared/python/frame_io/config/config.xml and replace the token: <token>fio-x-xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx-xxxxxxxxxxx-xxxxxxxxxxx</token>. Leave this file open.
6. Go here to get your account id. This only needs to be done once.
   In the upper right hand corner, hit the button that says “Try it.” Next change the Security scheme to DeveloperToken, paste your API token, and hit “Send.”



Target server:
https://api.frame.io - Production

Security scheme:
DeveloperToken

Bearer Token:
(without 'Bearer')

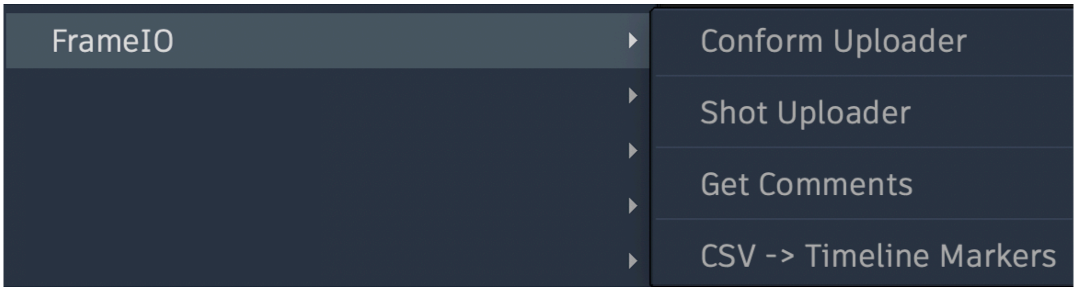
Note: Your credentials will be saved until the end of the browser session

GET /v2/accounts/eefb57e0-79f2-4bc7-9b70-99fbc175175c

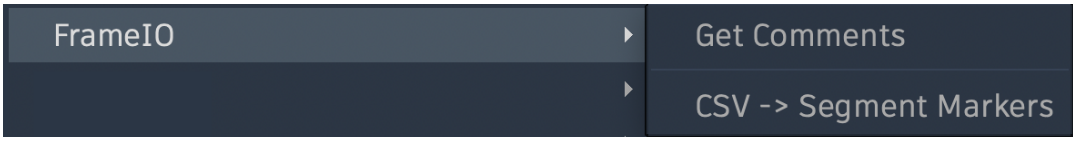
7. Look at the results and find "account_id": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
8. Go back to the config file (/opt/Autodesk/shared/python/frame_io/config/config.xml) and replace the token:
   <account_id>xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx</account_id>
9. Go here to get your team id. Like before, hit “Try this” in the upper right corner. Your developer token should still be set, but if it isn't, enter it again. Next expand Parameters and enter your account id and hit send.
10. In the response, scroll down and look for your FrameIO team name and id like this:

```
"name": "Your VFX Team",
"frames": 99999,
"resource_id": null,
"project_count": X,
"dark_theme": false,
"id": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
```

11. Copy your id and paste it into the config file. Replace this token:
    <team_id>xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx</team_id>
12. With the config file still open, replace this token with the path to your job folder:
    <jobs_folder>/Volumes/vfx/UC_Jobs</jobs_folder>
13. *Optional* - Replace the preset token if you like:
    <preset_path_h264>/opt/Autodesk/shared/python/frame_io/presets/H264_10Mbits.xml</preset_path_h264>
14. Launch Flame, select a clip or sequence, right click and look for these scripts:

    Or look for these when you right-click segment(s) in a timeline:

15. *Optional* - For frame_io_conform_uploader.py and frame_io_shot_uploader.py, you might want to modify the example I left in there for your users and tokens. Search for “if user_nickname ==” and replace the user nicknames and tokens with the ones for your team. Otherwise, everything will appear to have been uploaded by the same user.
16. *Optional* - You might want to change the name of the FrameIO menu. That must be done manually across all 4 python scripts.