

KinetixFlow Frame Rate Converter API – Getting Started

KinetixFlow for Windows offers two APIs.

The task API allows to manage tasks, which consist of the frame rate conversion operation. A source file is converted to an output file at the specified output frame rate. Tasks are first queued, then will start running when resources are available, until they complete.

The hot folder API allows to manage hot folders. A hot folder is a location where a source file can be copied. An output file is then converted using that source, with frame rate conversion performed during the conversion.

Task API

Getting list of task IDs

GET `http://localhost:1877/tasks/`

Example:

```
>curl -i http://localhost:1877/tasks/  
HTTP/1.1 200 OK  
Content-Length: 196  
Content-Type: application/json  
Server: Microsoft-HTTPAPI/2.0  
Date: Thu, 11 Jan 2024 07:47:25 GMT
```

```
["3b64a21a-0350-44fe-832e-f18fe08fa431","89f115ca-9cd2-437f-ab71-468d2a3cd0c8","a7eeb4ff-7d18-4a0c-9bd9-3ea4c8ed13a9","abfdf225-8cab-4003-9266-1a9e5fe12ccc","dc2a2ab5-991b-4f9c-9bfc-da371539bb1c"]
```

Getting information about a task

GET `http://localhost:1877/tasks/[id]`

Example:

```
>curl -i http://localhost:1877/tasks/3b64a21a-0350-44fe-832e-f18fe08fa431  
HTTP/1.1 200 OK  
Content-Length: 619  
Content-Type: application/json  
Server: Microsoft-HTTPAPI/2.0  
Date: Thu, 11 Jan 2024 07:49:20 GMT
```

```
{"sourceCompletionFolder":"","sourceErrorFolder":"","taskType":"FRC","outputFrameRate":30.0,"timeReductionSec":0.0,"videoCodec":"H.264","audioCodec":"AAC","outputFilenameScheme":"{basename}.mov","maxAttempts":1,"TaskSummary":"Convert framerate to 30.00fps","sourceFilename":"C:\\temp\\srcproc\\25_Talk.mp4","outputFilename":"C:\\temp\\out\\25_Talk.mov","error":"","progressPct":"100","info":"","status":"all-done","attempts":"0","processID":"11220","dtCreation":"2024-01-10T21:17:28.131363-
```

```
08:00","dtStart":"1/10/2024 9:17:30 PM","dtEnd":"1/10/2024 9:18:00 PM","dtLastProgressSet":"1/10/2024 9:18:00 PM"}
```

Creating a task

POST <http://localhost:1877/tasks>

Example:

```
>curl -i -X POST http://localhost:1877/tasks/ -H "Content-Type: application/json" -d {"sourceFilename":"C:\\temp\\mysource\\src.mp4","outputFilename":"C:\\temp\\out.mp4","outputFrameRate":"50.0","taskType":"FRC"}
```

HTTP/1.1 200 OK

Content-Length: 36

Content-Type: text/plain

Server: Microsoft-HTTPAPI/2.0

Date: Fri, 12 Jan 2024 05:43:47 GMT

```
ef46e90b-3f2c-4228-9f93-69ada12be3d0
```

Deleting a task

DELETE [http://localhost:1877/tasks/\[id\]](http://localhost:1877/tasks/[id])

Example:

```
>curl -X DELETE http://localhost:1877/tasks/3b64a21a-0350-44fe-832e-f18fe08fa431
```

Entry deleted.

Hot Folder API

Getting list of hot folder IDs

GET <http://localhost:1888/hotfolders/>

Example:

```
>curl -i http://localhost:1888/hotfolders/
```

HTTP/1.1 200 OK

Content-Length: 40

Content-Type: application/json

Server: Microsoft-HTTPAPI/2.0

Date: Thu, 11 Jan 2024 08:06:43 GMT

```
["934976f8-5c75-4cae-8877-a3b60ff1af25"]
```

Getting information about a hot folder

GET [http://localhost:1888/hotfolders/\[id\]](http://localhost:1888/hotfolders/[id])

Example:

```
>curl -i http://localhost:1888/hotfolders/934976f8-5c75-4cae-8877-a3b60ff1af25
```

HTTP/1.1 200 OK

Content-Length: 451

Content-Type: application/json

Server: Microsoft-HTTPAPI/2.0

Date: Thu, 11 Jan 2024 08:08:07 GMT

```
{"sourceInboxFolder":"C:\\temp temp\\src in","sourceProcessingFolder":"C:\\temp\\src proc","sourceCompletionFolder":"","sourceErrorFolder":"","outputFolder":"C:\\temp\\out out","taskType":"FRC","outputFrameRate":30.0,"timeReductionSec":0.0,"videoCodec":"H.264","audioCodec":"AAC","outputFilenameScheme":"{basename}.mov","info":"","dtCreation":"2024-01-10T21:15:30.0935531-08:00","maxAttempts":1,"TaskSummary":"Convert framerate to 30.00fps"}
```

Creating a hot folder

POST <http://localhost:1888/hotfolders>

Example:

```
curl -i -X POST http://localhost:1888/hotfolders/ -H "Content-Type: application/json" -d '{"sourceInboxFolder":"C:\\temp\\srcInbox\\","sourceProcessingFolder":"C:\\temp\\srcProcessing\\","sourceCompletionFolder":"C:\\temp\\srcDone\\","sourceErrorFolder":"C:\\temp\\srcError\\","outputFolder":"C:\\temp\\output\\","taskType":"FRC","outputFrameRate":"50.0"}' HTTP/1.1 200 OK
```

Content-Length: 36

Content-Type: text/plain

Server: Microsoft-HTTPAPI/2.0

Date: Fri, 12 Jan 2024 05:45:09 GMT

4771701f-1273-450e-8fc7-18d7fc9a063c

Deleting a hot folder

DELETE [http://localhost:1888/hotfolders/\[id\]](http://localhost:1888/hotfolders/[id])

Example:

```
>curl -X DELETE http://localhost:1888/hotfolders/3b64a21a-0350-44fe-832e-f18fe08fa431
```

Entry deleted.