

Mcoder Cloud Edition Rest APIs

Job Operations (Transcoding Server)

Create Job

Description

To Create a job, send a POST request to the "URI" resource.

Reqeusts

```
POST /v1/jobs HTTP/1.1

{
  "Input":{
    "Url":"Url of the input file"
  },
  "OutputUrlPrefix":"prefix for output url",
  "Outputs":[
    {
      "Key":"name of the transcoded file",
      "ThumbnailPattern":"","pattern",
      "PresetId":"preset to use for the job",
      "Captions":{
        "CaptionSources": {
          "Url":"name of the input caption file",
        }
      }
    },
    {...}
  ]
}
```

Responses

```
Status: 201 Created

{
  "Job":{
    "Id":"Id that assigns to the job",
    "Input":{
      "Url":"name of the file to transcode"
    },
    "OutputKeyPrefix":"prefix for file names in Amazon S3 bucket",
    "Outputs":[
      {
        "Id":"sequential counter",

```

```

    "Key": "name of the transcoded file",
    "Status": "Submitted|Progressing|Complete|Canceled|Error",
    "StatusDetail": "additional information about job status"
  },
  {...}
],
"Status": "Submitted|Progressing|Complete|Canceled|Error"
}
}

```

List Job order by Id

Description

To get a list of the jobs that order by Id, send a GET request to the /v1/jobs/ resource. Transcoder lists the jobs that you've created recently.

Requests

```
GET /v1/jobs?status=[Submitted|Progressing|Complete|Canceled|Error]&page=value for accessing the next page of results HTTP/1.1
```

Response

Status: 200 OK

```

{
  "Jobs": [
    {
      "Id": "Id that assigns to the job",
      "Input": {
        "Url": "name of the file to transcode"
      },
      "OutputKeyPrefix": "prefix for file names in Amazon S3 bucket",
      "Outputs": [
        {
          "Id": "sequential counter",
          "Key": "name of the transcoded file",
          "Status": "Submitted|Progressing|Complete|Canceled|Error",
          "StatusDetail": "additional information about job status"
        },
        {...}
      ],
      "Status": "Submitted|Progressing|Complete|Canceled|Error"
    },
    {...}
  ],
  "NextPage": "value for accessing the next page of results|null"
}

```

Read Job

Description

To get detailed information about a job, send a GET request to the `/v1/jobs/jobId` resource.

Reqeusts

```
GET /v1/jobs/jobId HTTP/1.1
```

Response

Status: 200 OK

```
{
  "Job":{
    "Id":"Id that assigns to the job",
    "Input":{
      "Url":"name of the file to transcode"
    },
    "OutputKeyPrefix":"prefix for file names in Amazon S3 bucket",
    "Outputs":[
      {
        "Id":"sequential counter",
        "Key":"name of the transcoded file",
        "Status":"Submitted|Progressing|Complete|Canceled|Error",
        "StatusDetail":"additional information about job status"
        "ThumbnailPattern":"","|pattern",
        "PresetId":"preset to use for the job",
        "SegmentDuration":"[1,60] seconds",
        "Composition":[
          {
            "StartTime":"starting place of the clip, in HH:mm:ss.SSS or sssss.SSS",
            "Duration":"duration of the clip, in HH:mm:ss.SSS or sssss.SSS"
          },
          {...}
        ],
        "Captions":{
          "CaptionSources":[
            {
              "Url":"name of the input caption file",
              "Language":"language of the input caption file",
              "TimeOffset":"starting place of the captions, in either [-+]SS.sss or [-+]HH:mm:SS.ss"
            },
            {...}
          ]
        }
      },
      {...}
    ],
    "Playlists":[
      {
        "Format":"HLSv3",
```

```
    "Name": "name, no / character allowed",
    "OutputKeys": [
      "Outputs:Key to include in this playlist",
      ...
    ]
  },
  {...}
],
"Status": "Submitted|Progressing|Complete|Canceled|Error"
}
}
```

Cancel Job

Description

To cancel a job that transcoder has not begun to process, send a DELETE request to the /v1/jobs/jobId resource.

Reqeusts

```
DELETE /v1/jobs/jobId HTTP/1.1
```

Response

```
Status: 202 Accepted

{
  "Success": "true"
}
```

Preset Operations

Create Preset

Description

To create a preset, send a POST request to the /v1/presets resource.

Reqeusts

POST /v1/presets HTTP/1.1

```
{
  "Name": "preset name",
  "Description": "preset description",
  "Container": "mp3|mp4|ogg|ts|webm",
  "Audio": {
    "Codec": "aac|mp3|vorbis",
    "SampleRate": "auto|22050|32000|44100|48000|96000",
    "BitRate": "audio bit rate of output file in kilobits/second",
    "Channels": "2",
  },
  "Video": {
    "Codec": "h264|vp8",
    "CodecOptions": {
      "Preset": "veryfast|faster|fast",
      "Profile": "baseline|main|high",
      "ExtraOptions": "maximum number of reference frames"
    },
    "Width": "[128,4096]",
    "Height": "[96,3072]",
    "BitRate": "auto|video bit rate of output file in kilobits/second",
    "FrameRate": "auto|10|15|23.97|24|25|29.97|30|50|60",
  },
  "Thumbnails": {
    "Format": "jpg|png",
    "StartTime": "first thumbnail position in seconds",
    "Interval": "number of seconds between thumbnails",
    "Width": "[128,4096]",
    "Height": "[96,3072]",
  }
}
```

Response

Status: 201 Created

```
{
  "Preset": {
    "Id": "Id for the new preset",
    "Type": "Custom|System",
    "Name": "preset name",
  }
}
```

```
},
"Success": "true"
}
```

List Preset

Description

To get a list of all presets, send a GET request to the /v1/presets resource. Per page has limit of 50.

Reqeusts

```
GET /v1/presets?page=value for accessing the next page of results HTTP/1.1
```

Response

Status: 200 OK

```
{
  "Presets": [
    {
      "Id": "preset ID",
      "Type": "Custom|System",
      "Name": "preset name",
      "Description": "preset description",
      "Container": "mp3|mp4|ogg|ts|webm",
      "Audio": {
        "Codec": "aac|mp3|vorbis",
        "CodecOptions": {
          "Profile": "auto|aac-lc|he-aac|he-aac-v2"
        },
        "SampleRate": "auto|22050|32000|44100|48000|96000",
        "BitRate": "audio bit rate of output file in kilobits/second",
        "Channels": "auto|0|1|2",
        "Gain": "[-60,60]",
        "Normalize": "true|false",
        "Base": "[-10,10]",
        "Treble": "[-10,10]",
        "FadeIn": "[+0,30.0]",
        "FadeOut": "[+0,30.0]"
      },
      "Video": {
        "Codec": "h264|vp8",
        "CodecOptions": {
          "Preset": "veryfast|faster|fast",
          "Profile": "baseline|main|high",
          "Level": "h264 level",
          "ExtraOptions": "maximum number of reference frames"
        },
        "Width": "[128,4096]",
        "Height": "[96,3072]",
        "AspectMode": "preserve|stretch|crop|pad",
      }
    }
  ]
}
```

```

        "BitRate": "auto|video bit rate of output file in kilobits/second",
        "FrameRate": "auto|10|15|23.97|24|25|29.97|30|50|60",
        "MaxFrameRate": "10|15|23.97|24|25|29.97|30|50|60",
        "KeyFrameInterval": "maximum frames between key frames",
        "Rotate": "0|90|180|270",
        "Deinterlace": "auto|on|off",
        "Sharpen": "true|false",
        "Denoise": "weak|medium|strong|strongest",
        "Autolevel": "true|false"
    },
    "Thumbnails": {
        "Format": "jpg|png",
        "StartTime": "first thumbnail position in seconds",
        "Interval": "number of seconds between thumbnails",
        "Width": "[128,4096]",
        "Height": "[96,3072]",
        "AspectMode": "preserve|stretch|crop|pad"
    },
    },
    {...},
],
"NextPage": "value for accessing the next page of results|null"
}

```

Read Preset

Description

To get detailed information about a preset, send a GET request to the `/v1/presets/presetId` resource.

Requests

```
GET /v1/presets/presetId HTTP/1.1
```

Response

```

Status: 200 OK

{
  "Preset": {
    "Id": "preset ID",
    "Type": "Custom|System",
    "Name": "preset name",
    "Description": "preset description",
    "Container": "mp3|mp4|ogg|ts|webm",
    "Audio": {
      "Codec": "aac|mp3|vorbis",
      "CodecOptions": {
        "Profile": "auto|aac-lc|he-aac|he-aac-v2"
      }
    },
    "SampleRate": "auto|22050|32000|44100|48000|96000",
    "BitRate": "audio bit rate of output file in kilobits/second",
  }
}

```

```

    "Channels": "auto|0|1|2",
    "Gain": "[-60,60]",
    "Normalize": "true|false",
    "Base": "[-10,10]",
    "Treble": "[-10,10]",
    "Fadeln": "[+0,30.0]",
    "FadeOut": "[+0,30.0]"
  },
  "Video": {
    "Codec": "h264|vp8",
    "CodecOptions": {
      "Preset": "veryfast|faster|fast",
      "Profile": "baseline|main|high",
      "Level": "h264 level",
      "ExtraOptions": "maximum number of reference frames"
    },
    "Width": "[128,4096]",
    "Height": "[96,3072]",
    "AspectMode": "preserve|stretch|crop|pad",
    "BitRate": "auto|video bit rate of output file in kilobits/second",
    "FrameRate": "auto|10|15|23.97|24|25|29.97|30|50|60",
    "MaxFrameRate": "10|15|23.97|24|25|29.97|30|50|60",
    "KeyFrameInterval": "maximum frames between key frames",
    "Rotate": "0|90|180|270",
    "Deinterlace": "auto|on|off",
    "Sharpen": "true|false",
    "Denoise": "weak|medium|strong|strongest",
    "Autolevel": "true|false"
  },
  "Thumbnails": {
    "Format": "jpg|png",
    "StartTime": "first thumbnail position in seconds",
    "Interval": "number of seconds between thumbnails",
    "Width": "[128,4096]",
    "Height": "[96,3072]",
    "AspectMode": "preserve|stretch|crop|pad"
  }
}
}
}

```

Delete Preset

Description

To delete a preset, send a DELETE request to the `/v1/presets/presetId` resource.

Requests

```
DELETE /v1/presets/presetId HTTP/1.1
```

Response

```
Status: 202 Accepted
```



```
{  
  "Success": "true"  
}
```