Cinegy Player PRO 22 HTTP API Manual

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Chapter 1 General Information

Cinegy Player PRO REST API allows using JSON data types.

The base URL to access the player via REST API has the following format:

`http://localhost:8123/Player`

The default URL can be changed in the PlayerPRO.exe.config file, which can be found in the Cinegy Player PRO installation folder:

`C:\Program Files\Cinegy\Cinegy Player PRO (x64)\PlayerPRO.exe.config`

Multiple instances of Cinegy Player PRO can be started simultaneously. To do so, you should specify an individual REST host for each instance with the following registry key before Player PRO startup:

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Cinegy LLC\Cinegy\Player]
"EnableWebApis"=dword:00000001
```

Chapter 2 Media-based Methods

2.1 Open Media

Name	LoadItem
Method	POST
URL	http://localhost:8123/Player/LoadItem?path={arg}

Description

Open media target.

Usage

```
function LoadMedia(arg) {
  $.ajax({
        url: "http://localhost:8123/Player/LoadItem?path=" + arg,
        type: "POST",
    });
}
```

2.2 Play Media

Name	Play
Method	POST
URL	http://localhost:8123/Player/Play

Description

Play loaded media target.

Usage

```
function PlayMedia() {
  $.ajax({
        url: "http://localhost:8123/Player/Play",
        type: "POST",
    });
}
```

2.3 Pause Media

Name	Stop
Method	POST
URL	http://localhost:8123/Player/Stop

Description

Stop playing media target at the current position.

Usage

```
function PauseMedia() {
  $.ajax({
        url: "http://localhost:8123/Player/Stop",
        type: "POST",
    });
}
```

2.4 Get Media

Name	CurrentItem
Method	GET
URL	http://localhost:8123/Player/CurrentItem
Response	Playlist xml

Description

Get the loaded media target.

Usage

```
function GetMediaTimeline() {
    var xml= $.ajax( {
        url: "http://localhost:8123/Player/CurrentItem",
        type: "GET",
        dataType: 'json',
        success: onGetCurrentItemSuccess,
        cache: false,
        crossDomain: true,
    });
    return xml;
}
function onGetCurrentItemSuccess(response) {
 if (response.responseJSON != null) {
  var timeline = response.responseJSON;

  console.log(timeline);
 }
}
```

Response Example

```
<timeline duration="30.0633667" version="5">
    <group type="video" width="1920" height="1080" aspect="16:9" framerate="29.97"
progressive="n">
        <track>
            <clip srcref="0" start="0" stop="30.0633667" mstart="0" mstop=
"30.0633667">
                <quality src="E:\Shared\T378238.mxf" id="0" />
            </clip>
        </track>
    </group>
    <group type="audio" channels="2">
        <track>
            <clip srcref="15" start="0" stop="30.0633667" mstart="0" mstop
="30.0633667">
                <quality src="E:\Shared\T378238.mxf" track="14" channels="0;_" id="0"
/>
            </clip>
        </track>
        <track>
            <clip srcref="16" start="0" stop="30.0633667" mstart="0" mstop
="30.0633667">
                <quality src="E:\Shared\T378238.mxf" track="15" channels="_;0" id="0"
/>
            </clip>
        </track>
    </group>
</timeline>
```

2.5 Set Aspect Ratio

Name	SetAspect
Method	POST
URL	http://localhost:8123/Player/SetAspect?Aspect={arg}

Description

Set aspect ratio (see table below) for media target.

Usage

```
function SetAspectRatio(arg) {
  $.ajax({
        url: "http://localhost:8123/Player/SetAspect?Aspect=" + arg,
        type: "POST",
    });
}
```

Table AspectType Enum Type Members

Origin
Aspect4x3
Aspect16x9

2.6 Reset Player Control

Name	Clear
Method	POST
URL	http://localhost:8123/Player/Clear

Description

Reset target media and player presets.

Usage

```
function ResetPlayer() {
  $.ajax({
        url: "http://localhost:8123/Player/Clear",
        type: "POST",
    });
}
```

Chapter 3 Timecode-based Methods

3.1 Get In Timecode

Name	In
Method	GET
URL	http://localhost:8123/Player/In
Response	Double

Description

Get initial media target timecode value.

Usage

```
function GetInTC() {
  var timecode = $.ajax({
        url: "http://localhost:8123/Player/In",
        type: "POST",
                    dataType: 'json',
                    success: onGetInSuccess,
                    cache: false,
                    crossDomain: true,
    });
    return timecode;
}
function onGetInSuccess(response) {
 console.log(response);
}
```

3.2 Set In Timecode

Name	SetIn
Method	POST
URL	http://localhost:8123/Player/SetIn?In={arg}

Description

Set initial media target timecode value.

Usage

```
function SetInTC(arg) {
  $.ajax({
        url: "http://localhost:8123/Player/SetIn?In=" + arg,
        type: "POST",
    });
}
```

3.3 Get Out Timecode

Name	Out
Method	GET
URL	http://localhost:8123/Player/Out
Response	Double

Description

Get the last media target timecode value.

Usage

```
function GetInTC() {
  var timecode = $.ajax({
        url: "http://localhost:8123/Player/Out",
        type: "POST",
                    dataType: 'json',
                    success: onGetOutSuccess,
                    cache: false,
                    crossDomain: true,
    });
    return timecode;
}
function onGetInSuccess(response) {
 console.log(response);
}
```

3.4 Set Out Timecode

Name	SetOut
Method	POST
URL	http://localhost:8123/Player/SetOut?Out={arg}

Description

Set the last media target timecode value.

Usage

```
function SetOutTC(arg) {
  $.ajax({
        url: "http://localhost:8123/Player/SetOut?Out=" + arg,
        type: "POST",
    });
}
```

3.5 Get Position Timecode

Name	Position
Method	GET
URL	http://localhost:8123/Player/Position
Response	Double

Description

Get playback media target timecode value.

Usage

```
function getPlaybackTC() {
    var timecode= $.ajax(
    {
        url: "http://localhost:8123/Player/Position",
        type: "GET",
        dataType: 'json',
        success: onGetPositionSuccess,
        cache: false,
        crossDomain: true,
    });
    return timecode;
}

function onGetPositionSuccess(response) {
 console.log(response);
}
```

3.6 Set Position Timecode

Name	SetPosition
Method	POST
URL	http://localhost:8123/Player/SetPosition?Pos={arg}

Description

Set playback media target timecode value.

Usage

```
function SetPositionTC(arg) {
  $.ajax({
        url: "http://localhost:8123/Player/SetPoisition?Pos=" + arg,
        type: "POST",
    });
}
```