

Web API Examples (8.0.2.2) VITEC User Guide



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This document provides examples of calls that can be made to the EZ TV Web API. This document contains a subset of the available calls. Please refer to the most recently published EZ TV Web API documentation for a complete list of commands.

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Basic Usage

- 1. This API document is compatible with EZ TV Version 8.0.2.2
- 2. EZ TV Web API only supports SSL requests
- 3. This document uses a default server IP of "192.168.1.60" on all examples
 - a. This server address must be set to an EZ TV server
 - b. This server must be accessible from the device that is executing these API calls
- 4. Login must be executed to receive an authentication token
 - a. The token must be appended to all subsequent calls
 - i. Header attribute name: Authorization
 - ii. Header attribute value: Bearer {token}
 - iii. See Login for example token
 - b. By default, the token lasts 6000 seconds (100 minutes)
 - c. Prior to the token expiring, the renew command must be executed and new token will be supplied



Login

Description Authenticate and retrieve token for future calls

Type POST

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/login

Request Body

```
1. { "username" : "admin@dss-internal", "password" : "1qaz!QAZ" }
```

```
1. {
2.
        "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJVc2VyIjoiYWRtaW5AZHNzLWludGVybmFsIiwiRXhwaX
    J5IjoiXC9EYXR1KDE1MDcxMzEwOTc5NjEpXC8iLCJJc3N1ZXIiOiJWaXR1YyIsIkF1ZGllbmNlIjoiaHR0cHM6Ly93d3cudml
    0ZWMuY29tIiwiQ2xhaW1zIjpbIlN5c0FkbWluIl0sIkFER3JvdXBzRE4iOm51bGwsIlVzZXJUeXBlIjowfQ.RNxDMUtNXIgpR
    S-61eC_QwWoFHlTbITkVefpuY3e19A",
3.
        "expirationUTC": 1507131097961,
        "secondsToExpire": 6000,
4.
5.
        "roles": [
6.
            "SysAdmin"
7.
        ]
8. }
```



Renew

Description Renew expiring authentication token

Type POST

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/renew

Request Body None

```
1. {
2.
        "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJVc2VyIjoiYWRtaW5AZHNzLWludGVybmFsIiwiRXhwaX
   J5IjoiXC9EYXR1KDE1MDcxMzMyNjYyMDEpXC8iLCJJc3N1ZXIiOiJWaXR1YyIsIkF1ZGllbmNlIjoiaHR0cHM6Ly93d3cudml
   OZWMuY29tIiwiQ2xhaW1zIjpbIlN5c0FkbWluIl0sIkFER3JvdXBzRE4iOm51bGwsIlVzZXJUeXBlIjowfQ.jE9b1nWq2iv3u
   0LVYdIirvcyY4nD4e7y9ga4FVR9MYU",
        "expirationUTC": 1507133266201,
3.
        "secondsToExpire": 6000,
4.
        "roles": [
5.
            "SysAdmin"
6.
7.
8. }
```



Groups - Get All

Description Retrieve list of all Groups

Type GET

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/groups

Query String ?offset=0&limit=500&targetuseragent=PC_Mac

Request Body None

```
"link": {
2.
            "type": "self",
3.
            "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/groups?offset=0&limit=500&targetuseragen
4.
   t=PC_Mac"
5.
        },
        "offset": 0,
6.
        "limit": 2,
7.
        "total": 2,
8.
        "items": [
9.
10.
                 "id": "598a0fcf7d8eb70eb8143d09",
11.
                 "name": "All Endpoints",
12.
                 "description": "",
13.
                 "permittedToAll": true,
14.
                 "linkedObjects": null,
15.
                 "linkedObjectsLink": {
16.
                     "type": "href",
17.
                     "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/groups/598a0fcf7d8eb70eb8143d09/
18.
   links"
                },
"link": {
    """

19.
20.
                     "type": "self",
21.
                     "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/groups/598a0fcf7d8eb70eb8143d09"
22.
23.
                 }
24.
            },
25.
                 "id": "59d4feb87d8eb78a6c3fc2d5",
26.
27.
                 "name": "Office",
                 "description": "",
28.
                 "permittedToAll": true,
29.
                 "linkedObjects": null,
30.
                 "linkedObjectsLink": {
31.
32.
                     "type": "href",
33.
                     "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/groups/59d4feb87d8eb78a6c3fc2d5/
   links"
                },
"link": {
34.
35.
36.
                     "type": "self",
37.
                     "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/groups/59d4feb87d8eb78a6c3fc2d5"
```



```
38.
39.
40.
         "firstRef": {
    "" "}
41.
              "type": "href",
42.
              "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/groups?offset=0&limit=2"
43.
44.
       },
         "nextRef": {
    "type": "href",
45.
46.
              "ref": null
47.
48.
         "prevRef": {
    "type": "href",
49.
50.
              "ref": null
51.
         },
"lastRef": {
    "+vne": '
52.
53.
              "type": "href",
"ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/groups?offset=0&limit=2"
54.
55.
56.
57.}
```



Groups – Get By ID

Description Retrieve single Group by its ID

Type GET

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/groups/{ID}

Example Path https://192.168.1.60/DSS/api/v1/eztv/dss/groups/598a0fcf7d8eb70eb8143d09

Query String ?targetuseragent=PC_Mac

Request Body None

```
1. {
        "id": "598a0fcf7d8eb70eb8143d09",
2.
        "name": "All Endpoints",
3.
        "description": "",
4.
        "permittedToAll": true,
5.
        "linkedObjects": null,
6.
7.
        "linkedObjectsLink": {
8.
            "type": "href",
            "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/groups/598a0fcf7d8eb70eb8143d09/links"
9.
       },
"link": {
    "+ype
10.
11.
            "type": "self",
12.
            "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/groups/598a0fcf7d8eb70eb8143d09"
13.
14.
15.}
```



Endpoints - Get All

Description Retrieve list of all Endpoints

Type GET

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints

Query String ?offset=0&limit=500&targetuseragent=PC_Mac

Request Body None

```
1. {
        "link": {
2.
            "type": "self",
3.
            "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints?offset=0&limit=500&targetusera
4.
   gent=PC Mac"
5.
        },
        "offset": 0,
6.
        "limit": 2,
7.
8.
        "total": 2,
        "items": [
9.
10.
            {
                "id": "5989ea2c7d8eb70eb8143ce1",
11.
12.
                "endpointId": 1000,
                "name": "H150_Wall",
13.
                "iPAddress": "192.168.1.177",
14.
                "description": "LG 37\"",
15.
                "location": "Office",
16.
17.
                "mode": "IPTV",
                "reportedMode": "IPTV",
18.
                "iREnabled": true,
19.
                "tVBrand": "",
20.
21.
                "reportedTVBrand": "Unknown",
22.
                "model": "H150",
23.
                "rS232Link": false,
                "decoderFirstState": true,
24.
                "decoderSecondState": false,
25.
                "outputResolution": "1080i",
26.
                "ePStatus": "ON",
27.
28.
                "tVStatus": null,
                "playingSign": "eztv.signcreator.030.xml",
29.
                "currentSignInfo": null,
30.
                "lastUpdate": "2017-10-04T16:59:34.7980000Z",
31.
                "lastContentUpdate": "1970-01-01T06:00:00.00000000Z",
32.
33.
                "contentDownloadState": "Idle",
34.
                "endpointInternalId": null,
                "serialNo": "KN0917D0022643",
35.
                "mAC": "00:02:02:65:E4:00",
36.
                "firmware": "VITEC-EZTV-8.0.12.9-S-LL",
37.
                "dHCPEnabled": false,
38.
39.
                "volumeTV": 0,
                "volumeEndpoint": 70,
40.
                "tVInput": "",
41.
```



```
"mOE": false,
42.
43.
                 "erroneous": false,
44.
                 "errorReason": "",
45.
                 "unreachable": false,
                 "playingChannel1Number": "109",
46.
                 "playingChannel1Name": "Navy Drone",
47.
                 "playingChannel1IP": "225.2.1.109",
48.
                 "playingChannel1Port": 1234,
49.
                 "playingChannel2Number": ""
50.
                 "playingChannel2Name": "",
"playingChannel2IP": "",
51.
52.
53.
                 "playingChannel2Port": null,
                 "fullscreen": true,
54.
55.
                 "linkedObjectsLink": {
56.
                     "type": "href",
                     "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints/5989ea2c7d8eb70eb8143c
57.
    e1/links"
                },
"link": {
    "-yne"
58.
59.
                     "type": "self",
60.
                     "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints/5989ea2c7d8eb70eb8143c
61.
    e1"
62.
                }
63.
            },
64.
65.
                 "id": "59cd21187d8eb78358266eee",
                 "endpointId": 1006,
66.
                 "name": "EP4 01",
67.
                 "iPAddress": "192.168.1.134",
68.
                 "description": "DHCP",
69.
                 "location": "Office",
70.
                 "mode": "IPTV",
71.
                 "reportedMode": "IPTV",
72.
                 "iREnabled": true,
73.
                 "tVBrand": "",
74.
                 "reportedTVBrand": "Unknown",
75.
                 "model": "H150",
76.
                 "rS232Link": false,
77.
78.
                 "decoderFirstState": true,
                 "decoderSecondState": false,
79.
80.
                 "outputResolution": "1080i",
                 "ePStatus": "ON",
81.
                 "tVStatus": null,
82.
                 "playingSign": ""
83.
                 "currentSignInfo": null,
84.
85.
                 "lastUpdate": "2017-10-04T16:59:37.6120000Z",
                 "lastContentUpdate": "1970-01-01T06:00:00.0000000Z",
86.
                 "contentDownloadState": "Idle",
87.
                 "endpointInternalId": null,
88.
89.
                 "serialNo": "KN2117D0028073",
                 "mAC": "00:02:02:69:0C:A0",
90.
                "firmware": "VITEC-EZTV-8.0.12.9-S-LL",
91.
                "dHCPEnabled": true,
92.
                "volumeTV": 0,
93.
94.
                 "volumeEndpoint": 70,
```



```
"tVInput": "",
95.
                 "mOE": false,
96.
                 "erroneous": false,
97.
                 "errorReason": "",
98.
99.
                 "unreachable": false,
                    "playingChannel1Number": "9",
100.
                    "playingChannel1Name": "Golf",
101.
                    "playingChannel1IP": "225.2.1.9",
102.
                    "playingChannel1Port": 1234,
103.
                    "playingChannel2Number": "",
104.
                    "playingChannel2Name": "",
105.
                    "playingChannel2IP": "",
106.
                    "playingChannel2Port": null,
107.
                    "fullscreen": true,
108.
                    "linkedObjectsLink": {
109.
                         "type": "href",
110.
                        "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints/59cd21187d8eb78358
111.
    266eee/links"
                    },
"link": {
112.
113.
                        "type": "self",
114.
115.
                        "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints/59cd21187d8eb78358
    266eee"
116.
                    }
                }
117.
118.
             firstRef": {
119.
                "type": "href",
120.
                "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints?offset=0&limit=2"
121.
122.
            "nextRef": {
123.
                "type": "href",
124.
125.
                "ref": null
126.
             prevRef": {
127.
                "type": "href",
128.
                "ref": null
129.
130.
           },
"lastRef": {
131.
132.
                "type": "href",
                "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints?offset=0&limit=2"
133.
134.
            }
135.
       }
```



Endpoints – Get By ID

Description Retrieve single Endpoint by its ID

Type GET

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints/{ID}

Example Path https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints/59cd21187d8eb78358266eee

Query String ?targetuseragent=PC_Mac

Request Body None

```
"id": "59cd21187d8eb78358266eee",
2.
3.
        "endpointId": 1006,
        "name": "EP4_01",
4.
5.
        "iPAddress": "192.168.1.134",
        "description": "DHCP",
6.
        "location": "Office",
7.
8.
        "mode": "IPTV",
        "reportedMode": "IPTV",
9.
        "iREnabled": true,
10.
        "tVBrand": "",
11.
        "reportedTVBrand": "Unknown",
12.
        "model": "H150",
13.
        "rS232Link": false,
14.
        "decoderFirstState": true,
15.
16.
        "decoderSecondState": false,
17.
        "outputResolution": "1080i",
        "ePStatus": "ON",
18.
        "tVStatus": null,
19.
20.
        "playingSign": ""
        "currentSignInfo": null,
21.
        "lastUpdate": "2017-10-04T17:05:10.6110000Z",
22.
        "lastContentUpdate": "1970-01-01T06:00:00.0000000Z",
23.
        "contentDownloadState": "Idle",
24.
        "endpointInternalId": null,
25.
        "serialNo": "KN2117D0028073",
26.
27.
        "mAC": "00:02:02:69:0C:A0",
        "firmware": "VITEC-EZTV-8.0.12.9-S-LL",
28.
        "dHCPEnabled": true,
29.
        "volumeTV": 0,
30.
        "volumeEndpoint": 70,
31.
32.
        "tVInput": "",
        "mOE": false,
33.
        "erroneous": false,
34.
        "errorReason": "",
35.
        "unreachable": false,
36.
        "playingChannel1Number": "9".
37.
        "playingChannel1Name": "Golf",
38.
        "playingChannel1IP": "225.2.1.9",
39.
        "playingChannel1Port": 1234,
40.
```



```
"playingChannel2Number": "",
41.
        "playingChannel2Name": "",
"playingChannel2IP": "",
42.
43.
44.
        "playingChannel2Port": null,
45.
        "fullscreen": true,
        "linkedObjectsLink": {
46.
47.
             "type": "href",
48.
             "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints/59cd21187d8eb78358266eee/links
        },
"link": {
49.
50.
             "type": "self",
51.
             "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/endpoints/59cd21187d8eb78358266eee"
52.
53.
        }
54.}
```



Channels - Get All

Description Retrieve all channels

Type GET

Request Path https://192.168.1.60/eztvwebapi/api/v1/eztv/channels

Query String ?offset=0&limit=100&targetuseragent=PC_Mac

Request Body None

```
1. {
        "link": {
2.
            "type": "self",
3.
            "ref": "https://192.168.1.60/EZTVWebAPI/api/v1/eztv/channels?offset=0&limit=100&targetuse
4.
   ragent=PC_Mac"
5.
        },
        "offset": 0,
6.
7.
        "limit": 2,
        "total": 2,
8.
        "items": [
9.
10.
                "id": "2",
11.
                "displayNumber": 1,
12.
                "displayName": "MGW Premium",
13.
                "description": "",
14.
                "dynamic": false,
15.
                "iPAddress": "225.1.1.1",
16.
                "port": 30120,
17.
                "encoderId": 1,
18.
                "enabled": true,
19.
                "deleted": false,
20.
                "lastUpdate": null,
21.
                "type": "IPV4",
22.
                "recordable": false,
23.
24.
                "mobileSupported": false,
25.
                "encryptionType": "None",
26.
                "encryptionKey": null,
                "cachingBufferMS": 300,
27.
                "ePGPrgSvcId": 57708,
28.
                "ePGAssigned": true,
29.
30.
                "monitoringEnabled": false,
                "securityClearance": "None"
31.
                "textObverlayPosition": null,
32.
                "textOverlay": null,
33.
                "clusterId": null,
34.
35.
                "sSMIP": null,
                "hasStationData": false,
36.
37.
                "stationOnDate": "1800-01-01T00:00:00.0000000-06:00",
                "stationOffDate": "1800-01-01T00:00:00.0000000-06:00",
38.
39.
                "contentGroups": [
40.
                     "Main"
41.
                ],
```



```
42.
                 "link": {
                     "type": "self",
43.
                     "ref": "https://192.168.1.60/EZTVWebAPI/api/v1/eztv/channels/2"
44.
                 }
45.
            },
46.
47.
                 "id": "4911",
48.
                 "displayNumber": 9,
49.
50.
                 "displayName": "Golf",
                 "description": "",
51.
52.
                 "dynamic": false,
                 "iPAddress": "225.2.1.9",
53.
                 "port": 1234,
54.
                 "encoderId": 1,
55.
                 "enabled": true,
56.
                 "deleted": false,
57.
                 "lastUpdate": null,
58.
                 "type": "IPV4",
59.
                 "recordable": false,
60.
                 "mobileSupported": false,
61.
                 "encryptionType": "None",
62.
63.
                 "encryptionKey": null,
64.
                 "cachingBufferMS": 300,
65.
                 "ePGPrgSvcId": 31786,
                 "ePGAssigned": false,
66.
                 "monitoringEnabled": true,
67.
                 "securityClearance": "None",
68.
69.
                 "textObverlayPosition": 1,
70.
                 "textOverlay": null,
                 "clusterId": null,
71.
                 "sSMIP": null,
72.
                 "hasStationData": false,
73.
74.
                 "stationOnDate": "1800-01-01T00:00:00.0000000-06:00",
                 "stationOffDate": "1800-01-01T00:00:00.0000000-06:00",
75.
                 "contentGroups": [
76.
                     "Main"
77.
                ],
"link": {
""me'
78.
79.
                     "type": "self",
80.
                     "ref": "https://192.168.1.60/EZTVWebAPI/api/v1/eztv/channels/4911"
81.
                 }
82.
83.
            },
84.
        "firstRef": null,
85.
86.
        "nextRef": null,
87.
        "prevRef": null,
        "lastRef": null
88.
89.}
```



Channels - Get By ID

Description Retrieve single channel by ID

Type GET

Request Path https://192.168.1.60/eztvwebapi/api/v1/eztv/{ID}

Example Path https://192.168.1.60/eztvwebapi/api/v1/eztv/4911

Query String ?targetuseragent=PC_Mac

Request Body None

```
"id": "4911",
2.
        "displayNumber": 9,
3.
        "displayName": "Golf",
4.
        "description": "",
5.
        "dynamic": false,
6.
7.
        "iPAddress": "225.2.1.9",
8.
        "port": 1234,
        "encoderId": 1,
9.
        "enabled": true,
        "deleted": false,
        "lastUpdate": null,
12.
        "type": "IPV4",
13.
        "recordable": false,
14.
        "mobileSupported": false,
15.
16.
        "encryptionType": "None",
        "encryptionKey": null,
17.
        "cachingBufferMS": 300,
18.
        "ePGPrgSvcId": 31786,
19.
        "ePGAssigned": false,
20.
        "monitoringEnabled": true,
21.
        "securityClearance": "None",
22.
        "textObverlayPosition": 1,
23.
        "textOverlay": null,
24.
        "clusterId": null,
25.
        "sSMIP": null,
26.
27.
        "hasStationData": false,
        "stationOnDate": "1800-01-01T00:00:00.0000000-06:00",
28.
        "stationOffDate": "1800-01-01T00:00:00.0000000-06:00",
29.
        "contentGroups": [
30.
            "Main"
31.
32.
        "link": {
33.
            "type": "self",
34.
            "ref": "https://192.168.1.60/EZTVWebAPI/api/v1/eztv/channels/4911"
35.
36.
        }
37. }
```



EPG Channels - Get All

Description Retrieve all channels

Optional EPG API required

Type GET

Request Path https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/{ID}

Example Path https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels

Query String ?limit=2&offset=5&targetuseragent=PC_Mac

Request Body None

```
1. {
        "link": {
2.
            "type": "self",
3.
            "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/?limit=2&offset=5&targetu
4.
   seragent=PC Mac"
5.
        },
6.
        "offset": 5,
        "limit": 2,
7.
        "total": 9,
8.
        "items": [
9.
10.
            {
                "id": 4911,
11.
                "displayNumber": 9,
12.
                "displayName": "Golf",
13.
                "description": "",
14.
                "dynamic": false,
15.
                "iPAddress": "225.2.1.9",
16.
                "port": 1234,
17.
                "encoderId": 1,
18.
                "enabled": true,
19.
                "lastUpdate": null,
20.
                "type": "IPV4",
21.
                "recordable": false,
22.
                "mobileSupported": false,
23.
                "encryptionType": "None",
24.
                "encryptionKey": null,
25.
                "encryptionKeyType": "None",
26.
                "cachingBufferMS": 300,
27.
                "ePGPrgSvcId": 61854,
28.
                "ePGAssigned": true,
29.
30.
                "monitoringEnabled": true,
                "securityClearance": "None",
31.
                "textOverlayPosition": 1,
32.
                "textOverlay": null,
33.
                "clusterId": null,
34.
                "sSMIP": null,
35.
                "rtspUrl": null,
36.
                "iOSUrl": null,
37.
                "hasStationData": false,
38.
```



```
39.
                 "stationOnDate": "1800-01-01T00:00:00.0000000-06:00",
                 "stationOffDate": "1800-01-01T00:00:00.0000000-06:00",
40.
41.
                 "backupChannelId": null,
42.
                 "backupCustomChannelIP": null,
43.
                 "backupCustomChannelPort": null,
                 "backupCustomChannelType": null,
44.
                 "contentGroupLinks": [
45.
46.
                     {
47.
                         "id": "1_CONTENTGROUP_4911_CHANNEL",
                         "linkId": "1_CONTENTGROUP_4911_CHANNEL",
48.
                         "parentId": \overline{}1",
49.
                         "parentName": "Dynamic Channels",
50.
                         "parentType": "CONTENTGROUP",
51.
52.
                         "linkedObjectId": "4911",
                         "linkedObjectName": "Golf"
53.
                         "linkedObjectType": "CHANNEL",
54.
55.
                         "linkedObjectProp1": null,
56.
                         "linkedObjectProp2": null,
57.
                         "linkedObjectProp3": null,
                         "parentObjectProp1": null,
58.
                         "parentObjectProp2": null,
59.
                         "parentObjectProp3": null,
60.
                         "isLinked": false,
61.
                         "link": {
62.
63.
                             "type": "self",
                             "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/1?ta
64.
    rgetuseragent=PC_Mac"
65.
66.
                     },
67.
                     {
                         "id": "2 CONTENTGROUP 4911 CHANNEL",
68.
                         "linkId": "2_CONTENTGROUP_4911_CHANNEL",
69.
                         "parentId": "2",
70.
                         "parentName": "Unattached",
71.
                         "parentType": "CONTENTGROUP",
72.
                         "linkedObjectId": "4911",
73.
                         "linkedObjectName": "Golf"
74.
                         "linkedObjectType": "CHANNEL",
75.
                         "linkedObjectProp1": null,
76.
                         "linkedObjectProp2": null,
77.
78.
                         "linkedObjectProp3": null,
                         "parentObjectProp1": null,
79.
                         "parentObjectProp2": null,
80.
                         "parentObjectProp3": null,
81.
                         "isLinked": false,
82.
                         "link": {
83.
                             "type": "self",
84.
                             "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/2?ta
85.
    rgetuseragent=PC_Mac"
86.
87.
                     },
88.
                         "id": "3 CONTENTGROUP 4911 CHANNEL".
89.
                         "linkId": "3 CONTENTGROUP 4911 CHANNEL",
90.
91.
                         "parentId": "3",
```



```
92.
                         "parentName": "Main",
                         "parentType": "CONTENTGROUP",
93.
                         "linkedObjectId": "4911",
94.
                         "linkedObjectName": "Golf"
95.
                         "linkedObjectType": "CHANNEL",
96.
                         "linkedObjectProp1": null,
97.
98.
                         "linkedObjectProp2": null,
                         "linkedObjectProp3": null,
99.
100.
                             "parentObjectProp1": null,
                             "parentObjectProp2": null,
101.
                             "parentObjectProp3": null,
102.
                             "isLinked": true,
103.
                             "link": {
104.
                                 "type": "self",
105.
                                 "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/
106.
    3?targetuseragent=PC Mac"
107.
                             }
108.
                        },
109.
                        {
                             "id": "4 CONTENTGROUP 4911 CHANNEL",
110.
                             "linkId": "4_CONTENTGROUP_4911_CHANNEL",
111.
                             "parentId": "4",
112.
                             "parentName": "Videos",
113.
                             "parentType": "CONTENTGROUP",
114.
                             "linkedObjectId": "4911",
115.
                             "linkedObjectName": "Golf"
116.
                             "linkedObjectType": "CHANNEL",
117.
118.
                             "linkedObjectProp1": null,
                             "linkedObjectProp2": null,
119.
120.
                             "linkedObjectProp3": null,
121.
                             "parentObjectProp1": null,
                             "parentObjectProp2": null,
122.
                             "parentObjectProp3": null,
123.
                             "isLinked": false,
124.
                             "link": {
125.
                                 "type": "self",
126.
                                 "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/
127.
    4?targetuseragent=PC_Mac"
128.
                             }
                        }
129.
130.
131.
                     "linkedObjectsLink": {
132.
                         "type": "href",
                        "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/"
133
134
                     ,
"link": {
135
                         "type": "self",
136.
                         "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/"
137.
138.
                    }
139.
                },
140.
                    "id": 4912,
141.
                    "displayNumber": 69,
142.
                    "displayName": "FS1",
143.
                    "description": "",
144.
```



```
145.
                    "dynamic": false,
146.
                    "iPAddress": "225.2.1.69",
147.
                    "port": 1234,
                    "encoderId": 1,
148.
                    "enabled": true,
149.
                    "lastUpdate": null,
150.
                    "type": "IPV4",
151.
                    "recordable": false,
152.
153.
                    "mobileSupported": false,
                    "encryptionType": "None",
154.
                    "encryptionKey": null,
155.
                    "encryptionKeyType": "None",
156.
                    "cachingBufferMS": 300,
157.
158.
                    "ePGPrgSvcId": 31786,
159
                    "ePGAssigned": false,
                    "monitoringEnabled": true,
160.
                    "securityClearance": "None",
161.
162.
                    "textOverlayPosition": 1,
163.
                    "textOverlay": null,
                    "clusterId": null,
164.
165.
                    "sSMIP": null,
                    "rtspUrl": null,
166.
                    "iOSUrl": null,
167.
                    "hasStationData": false,
168.
169.
                    "stationOnDate": "1800-01-01T00:00:00.0000000-06:00"
                    "stationOffDate": "1800-01-01T00:00:00.0000000-06:00",
170.
                    "backupChannelId": null,
171.
172.
                    "backupCustomChannelIP": null,
                    "backupCustomChannelPort": null,
173.
174.
                    "backupCustomChannelType": null,
                    "contentGroupLinks": [
175.
176.
                        {
                             "id": "1_CONTENTGROUP_4912_CHANNEL",
177.
                             "linkId": "1_CONTENTGROUP_4912_CHANNEL",
178.
179.
                             "parentId": "1",
                             "parentName": "Dynamic Channels",
180.
                             "parentType": "CONTENTGROUP",
181.
                             "linkedObjectId": "4912",
182.
                             "linkedObjectName": "FS1"
183.
                             "linkedObjectType": "CHANNEL",
184.
185.
                             "linkedObjectProp1": null,
                             "linkedObjectProp2": null,
186.
                             "linkedObjectProp3": null,
187.
                             "parentObjectProp1": null,
188.
                             "parentObjectProp2": null,
189.
190.
                             "parentObjectProp3": null,
                             "isLinked": false,
191.
                             "link": {
192.
193.
                                 "type": "self",
                                 "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/
194.
    1?targetuseragent=PC_Mac"
195.
196.
                        },
197.
198.
                             "id": "2 CONTENTGROUP 4912 CHANNEL",
```



```
"linkId": "2_CONTENTGROUP_4912_CHANNEL",
199.
                             "parentId": "2",
200.
                             "parentName": "Unattached",
201.
                             "parentType": "CONTENTGROUP",
202.
                             "linkedObjectId": "4912",
203.
                             "linkedObjectName": "FS1",
204.
                             "linkedObjectType": "CHANNEL",
205.
                             "linkedObjectProp1": null,
206.
                             "linkedObjectProp2": null,
207.
                             "linkedObjectProp3": null,
208.
                             "parentObjectProp1": null,
209.
                             "parentObjectProp2": null,
210.
                             "parentObjectProp3": null,
211.
                             "isLinked": false,
212.
                             "link": {
213.
                                 "type": "self",
214.
                                 "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/
215.
    2?targetuseragent=PC_Mac"
216.
217.
                         },
218.
219.
                             "id": "3 CONTENTGROUP 4912 CHANNEL",
                             "linkId": "3_CONTENTGROUP_4912_CHANNEL",
220.
                             "parentId": "3",
221.
                             "parentName": "Main",
222.
                             "parentType": "CONTENTGROUP",
223.
                             "linkedObjectId": "4912",
224.
                             "linkedObjectName": "FS1",
225.
                             "linkedObjectType": "CHANNEL",
226.
                             "linkedObjectProp1": null,
227.
228.
                             "linkedObjectProp2": null,
                             "linkedObjectProp3": null,
229.
230.
                             "parentObjectProp1": null,
231.
                             "parentObjectProp2": null,
                             "parentObjectProp3": null,
232.
                             "isLinked": true,
233.
                             "link": {
234.
235.
                                 "type": "self",
                                 "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/
236.
    3?targetuseragent=PC_Mac"
237.
                             }
238.
                         },
239.
                             "id": "4 CONTENTGROUP_4912_CHANNEL",
240.
241.
                             "linkId": "4_CONTENTGROUP_4912_CHANNEL",
242.
                             "parentId": "4",
                             "parentName": "Videos",
243.
                             "parentType": "CONTENTGROUP",
244.
245.
                             "linkedObjectId": "4912",
246.
                             "linkedObjectName": "FS1"
                             "linkedObjectType": "CHANNEL",
247.
                             "linkedObjectProp1": null,
248.
                             "linkedObjectProp2": null,
249.
250.
                             "linkedObjectProp3": null,
                             "parentObjectProp1": null,
251.
```



```
252.
                             "parentObjectProp2": null,
                             "parentObjectProp3": null,
253.
254.
                             "isLinked": false,
255.
                             "link": {
                                 "type": "self",
256.
                                 "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/
257.
   4?targetuseragent=PC_Mac"
258.
259.
                        }
260.
                    ],
261.
                    "linkedObjectsLink": {
262.
                        "type": "href",
                        "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/"
263.
264.
                    "link": {
265.
                        "type": "self",
266.
                        "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/"
267.
268.
                    }
269.
                }
270.
            "firstRef": {
271.
                "type": "href",
272.
                "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/?offset=0&limit=2"
273.
274.
275.
            "nextRef": {
276.
                "type": "href",
                "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/?offset=7&limit=2"
277.
278.
            "prevRef": {
279.
                "type": "href",
"ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/?offset=3&limit=2"
280.
281.
282.
            "lastRef": {
283.
                "type": "href",
284.
                "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/?offset=8&limit=2"
285.
286.
            }
287.
       }
```



EPG Channels – Get By ID

Description Retrieve single channel by ID

Optional EPG API required

Type GET

 $\textbf{Request Path} \qquad \text{https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/{ID}}$

Example Path https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/4911

Query String ?targetuseragent=PC_Mac

Request Body None

```
1. {
        "id": 4911,
2.
        "displayNumber": 9,
3.
4.
        "displayName": "Golf",
        "description": "",
5.
        "dynamic": false,
6.
7.
        "iPAddress": "225.2.1.9",
        "port": 1234,
8.
        "encoderId": 1,
9.
10.
        "enabled": true,
        "lastUpdate": null,
11.
        "type": "IPV4",
12.
        "recordable": false,
13.
14.
        "mobileSupported": false,
15.
        "encryptionType": "None",
        "encryptionKey": null,
16.
        "encryptionKeyType": "None",
17.
        "cachingBufferMS": 300,
18.
        "ePGPrgSvcId": 61854,
19.
        "ePGAssigned": true,
20.
21.
        "monitoringEnabled": true,
        "securityClearance": "None",
22.
        "textOverlayPosition": 1,
23.
        "textOverlay": null,
24.
        "clusterId": null,
25.
        "sSMIP": null,
26.
        "rtspUrl": null,
27.
        "iOSUrl": null,
28.
        "hasStationData": false,
29.
        "stationOnDate": "1800-01-01T00:00:00.0000000-06:00",
30.
        "stationOffDate": "1800-01-01T00:00:00.0000000-06:00",
31.
32.
        "backupChannelId": null,
        "backupCustomChannelIP": null,
33.
34.
        "backupCustomChannelPort": null,
        "backupCustomChannelType": null,
35.
36.
        "contentGroupLinks": [
37.
                "id": "1_CONTENTGROUP_4911_CHANNEL",
38.
                "linkId": "1_CONTENTGROUP_4911_CHANNEL",
39.
```



```
40.
                 "parentId": "1",
                 "parentName": "Dynamic Channels",
41.
                 "parentType": "CONTENTGROUP",
42.
                "linkedObjectId": "4911",
43.
                 "linkedObjectName": "Golf"
44.
                "linkedObjectType": "CHANNEL",
45.
                "linkedObjectProp1": null,
46.
                "linkedObjectProp2": null,
47.
                "linkedObjectProp3": null,
48.
                "parentObjectProp1": null,
49.
                "parentObjectProp2": null,
50.
                "parentObjectProp3": null,
51.
                "isLinked": false,
52.
53.
                 "link": {
54
                     "type": "self",
55.
                     "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/1?targetuser
    agent=PC_Mac"
56.
                }
57.
            },
58.
                "id": "2_CONTENTGROUP_4911_CHANNEL",
59.
                "linkId": "2_CONTENTGROUP_4911_CHANNEL",
60.
                "parentId": "2",
61.
                "parentName": "Unattached"
62.
                 "parentType": "CONTENTGROUP",
63.
                 "linkedObjectId": "4911",
64.
                 "linkedObjectName": "Golf"
65.
                 "linkedObjectType": "CHANNEL",
66.
                 "linkedObjectProp1": null,
67.
                 "linkedObjectProp2": null,
68.
                "linkedObjectProp3": null,
69.
70.
                "parentObjectProp1": null,
                "parentObjectProp2": null,
71.
                "parentObjectProp3": null,
72.
73.
                "isLinked": false,
                "link": {
74.
75.
                     "type": "self",
                     "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/2?targetuser
76.
    agent=PC_Mac"
77.
                }
78.
            },
79.
                 "id": "3 CONTENTGROUP 4911 CHANNEL",
80.
                 "linkId": "3 CONTENTGROUP 4911 CHANNEL",
81.
                "parentId": "3",
82.
                "parentName": "Main",
83.
                 "parentType": "CONTENTGROUP",
84.
                 "linkedObjectId": "4911",
85.
                 "linkedObjectName": "Golf"
86.
87.
                 "linkedObjectType": "CHANNEL",
                 "linkedObjectProp1": null,
88.
89.
                 "linkedObjectProp2": null,
                "linkedObjectProp3": null,
90.
                 "parentObjectProp1": null,
91.
92.
                "parentObjectProp2": null,
```



```
93.
                 "parentObjectProp3": null,
                 "isLinked": true,
94.
                "link": {
95.
                     "type": "self",
96.
                     "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/3?targetuser
97.
    agent=PC_Mac"
98.
                }
99.
            },
100.
                    "id": "4 CONTENTGROUP 4911 CHANNEL",
101.
                    "linkId": "4_CONTENTGROUP_4911_CHANNEL",
102.
                    "parentId": "4",
103.
                    "parentName": "Videos",
104.
                    "parentType": "CONTENTGROUP",
105.
                    "linkedObjectId": "4911",
106.
                    "linkedObjectName": "Golf"
107.
                    "linkedObjectType": "CHANNEL",
108.
                    "linkedObjectProp1": null,
109.
                    "linkedObjectProp2": null,
110.
                    "linkedObjectProp3": null,
111.
                    "parentObjectProp1": null,
112.
113.
                    "parentObjectProp2": null,
114.
                    "parentObjectProp3": null,
                    "isLinked": false,
115.
                    "link": {
116.
                        "type": "self",
117.
                        "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/contentgroups/4?target
118.
    useragent=PC_Mac"
119.
                    }
120.
                }
121.
            "linkedObjectsLink": {
122.
123.
                "type": "href",
                "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/4911"
124.
           },
"link": {
125.
126.
                "type": "self",
127.
128.
                "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/4911"
129.
            }
130.
       }
```



EPG – Get All Channels By Date Range

Description Retrieve EPG data for all channels within a date range

Set "from" and "to" parameters to be the current time to retrieve currently

playing EPG data

Optional EPG API required

Type GET

Request Path https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/epg

Query String ?limit=1&offset=0

&from=2017-10-08T12:00:00 &to=2017-10-08T15:00:00 &targetuseragent=PC Mac

Request Body None

```
1. {
        "link": {
2.
            "type": "self",
3.
            "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/epg?limit=1&offset=0&from=2017-10-
4.
    08T12:00:00&to=2017-10-08T15:00:00&targetuseragent=PC_Mac"
5.
6.
        "offset": 0,
        "limit": 1,
7.
        "total": 9,
8.
        "items": [
9.
10.
            {
                 "id": 2,
11.
                 "number": 1,
12.
                 "name": "MGW Premium",
13.
                "encKey": null,
14.
                "encType": null,
15.
16.
                "encKeyType": null,
17.
                "hasNoPrograms": false,
                 "prgSvcId": 57708,
18.
                "channelType": "IPV4",
19.
                 "programs": [
20.
21.
                         "description": "A 1967 Pontiac GTO; Harley-
    Davidson Fat Boy; a 1968 Camaro SS 350.",
23.
                         "start": "2017-10-08T12:00:00.0000000+00:00",
                         "end": "2017-10-08T12:30:00.0000000+00:00",
24.
                         "episodeDescription": "G-T-Whoa!",
25.
26.
                         "episodeNumber": "1",
                         "episodeSeason": "3",
27.
                         "genre": "Auto",
28.
                         "id": "EP015899250003",
29.
                         "name": "Counting Cars",
30.
                         "originalGenre": "Other",
31.
                         "scheduleId": "725414"
32.
33.
                     },
```



```
34.
                     {
                         "description": "Danny and Shannon restore an old VW van; a '69 Ford Bronco fo
35.
    r a single mother."
                         "start": "2017-10-08T12:30:00.0000000+00:00",
36.
                         "end": "2017-10-08T13:00:00.0000000+00:00",
37.
                         "episodeDescription": "Van Haulin",
38.
39.
                         "episodeNumber": "2",
                         "episodeSeason": "26",
40.
                         "genre": "Auto",
41.
                         "id": "EP015899250039",
42.
                         "name": "Counting Cars",
43.
                         "originalGenre": "Other",
44.
                         "scheduleId": "725415"
45.
46.
                    },
47.
                         "description": "Danny can't part with a classic car; a homeowner calls the po
48.
    lice on Danny and Horny Mike; Danny runs into a friend and his 1959 Corvette gasser; Mike and Sha
    nnon find a Cadillac owned by one of the Superfly builders; extended; includes new footage.",
                         "start": "2017-10-08T13:00:00.0000000+00:00",
49.
                         "end": "2017-10-08T16:00:00.0000000+00:00",
50.
                         "episodeDescription": "Drive: Change of Heart",
51.
                         "episodeNumber": "7",
52.
                         "episodeSeason": "",
53.
                         "genre": "Auto",
54.
                         "id": "EP015899250194",
55.
                         "name": "Counting Cars",
56.
                         "originalGenre": "Other",
57.
58.
                         "scheduleId": "725416"
59.
                     }
60
                 ],
                 "link": null
61
            }
62.
63.
         'firstRef": {
64.
            "type": "href",
65.
            "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/epg?offset=0&limit=1&filter="
66.
67.
        "nextRef": {
68.
            "type": "href",
69.
70.
            "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/epg?offset=1&limit=1&filter="
71.
         "prevRef": {
72.
73.
            "type": "href",
            "ref": null
74
       },
"lastRef": {
75.
76.
            "type": "href",
77.
78.
            "ref": "https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/epg?offset=8&limit=1&filter="
79.
        }
80.}
```



EPG – Get By Channel ID and Date Range

Description Retrieve EPG data for a single channel by ID within a date range

Set "from" and "to" parameters to be the current time to retrieve currently

playing EPG data

Optional EPG API required

Type GET

Request Path https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/{ID}/epg

Example Path https://192.168.1.60/EZTVEPGWebAPI/api/v1/eztv/channels/4911/epg

Query String ?from=2017-10-05T11:00:00

&to=2017-10-05T16:00:00 &targetuseragent=PC_Mac

Request Body None

```
1. {
2.
        "id": 4911,
3.
        "number": 9,
        "name": "Golf"
4.
        "encKey": null,
5.
        "encType": null,
6.
        "encKeyType": null,
8.
        "hasNoPrograms": false,
9.
        "prgSvcId": 61854,
        "channelType": "IPV4",
10.
11.
        "programs": [
12.
13.
                 "description": "Golfing news and interviews.",
14.
                 "start": "2017-10-05T11:00:00.0000000+00:00",
                 "end": "2017-10-05T12:00:00.0000000+00:00",
15.
                 "episodeDescription": null,
16.
                 "episodeNumber": ""
17.
                 "episodeSeason": ""
18.
                 "genre": "Golf",
19.
                 "id": "SH013557080000",
20.
21.
                 "name": "Morning Drive"
                 "originalGenre": "Other",
22.
                 "scheduleId": "631110"
23.
24.
            },
25.
                "description": "From the Old Course at St. Andrews in Scotland.",
26.
27.
                 "start": "2017-10-05T12:00:00.0000000+00:00",
                 "end": "2017-10-05T16:00:00.0000000+00:00",
28.
29.
                 "episodeDescription": null,
                 "episodeNumber": "",
30.
                 "episodeSeason": "",
31.
                 "genre": "Golf",
32.
                 "id": "EP005544753071",
33.
                 "name": "Alfred Dunhill Links Championship, First Round",
34.
```





Activities – Immediate – Set Channel

Description Execute an activity immediately

Set channel on an array of targets; endpoints or groups

Type POST

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/events/immediate/activities

Required Fields actionParameters: "IP": the IP address of the channel

actionParameters: "Port": the port number of the channel

actionTargets: "cmdTargetType": type of target ("Endpoint" or "Group")

actionTargets: "id": the ID of the target object

Request Body

```
1. {
        "action": "LoadChannel",
2.
3.
        "actionCluster": "DSS",
        "actionParameters": [{
4.
                 "name": "Emergency",
5.
                 "value": "false"
6.
7.
                 "name": "Fullscreen",
8.
                 "value": "true"
9.
10.
             }, {
                 "name": "Type",
11.
                 "value": "UDP"
12.
13.
                 "name": "IP",
14.
                 "value": "225.2.1.9"
15.
16.
             }, {
                 "name": "Port",
17.
                 "value": "1234"
18.
19.
                 "name": "EncryptionKey",
20.
                 "value": "null"
21.
            }, {
    "name": "DecoderIndex",
22.
23.
                 "value": "0"
24.
25.
                 "name": "URL",
26.
                 "value": ""
27.
28.
            }
29.
30.
         "actionTargets": [{
                 "id": "59cd21187d8eb78358266eee",
31.
                 "cmdTargetType": "Endpoint"
32.
33.
             }
        ]
34.
35.}
```

Response Body

1. {



```
2.
        "activityId": "59d53d107d8eb78a6c3fc313",
        "action": "LoadChannel",
3.
        "actionCluster": "EZTV",
4.
5.
        "actionTargets": [
6.
             {
                 "id": "59cd21187d8eb78358266eee",
7.
8.
                 "cmdTargetType": "Endpoint"
9.
             }
10.
         "state": "Queued",
11.
        "actionParameters": [
12.
13.
             {
                 "name": "Emergency",
14.
                 "value": "false"
15.
16.
             },
17.
                 "name": "Fullscreen",
18.
                 "value": "true"
19.
            },
20.
21.
                 "name": "Type",
"value": "IPV4"
22.
23.
            },
24.
25.
                 "name": "IP",
26.
                 "value": "225.2.1.9"
27.
28.
             },
29.
                 "name": "Port",
30.
                 "value": "1234"
31.
32.
             },
33.
34.
                 "name": "EncryptionKey",
                 "value": "null"
35.
36.
             },
37.
                 "name": "DecoderIndex",
38.
                 "value": "0"
39.
40.
             },
41.
                 "name": "URL",
42.
43.
                 "value": ""
44.
             }
45.
         "scheduledRunTime": "2017-10-04T19:57:04.3382819Z",
46.
        "mOE": false,
47.
        "runOK": null,
48.
         "runEPStatus": null,
49.
50.
        "link": null
51.}
```



Activities – Immediate – Set Action (On, off, reboot, etc...)

Description Execute an activity immediately

Initiate action on an array of targets; endpoints or groups

Type POST

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/events/immediate/activities

Required Fields action: the action to execute on each target

TVOn – Turn on TV via RS232 TVOff – Turn off TV via RS232 EndpointOn – Turn on endpoint EndpointOff – Turn off endpoint Reboot – Reboot endpoint

ReloadEZTV - Reloads EZ TV software running on endpoint

TechScreenOn – Displays device info page on TV attached to endpoint actionTargets: "cmdTargetType": type of target ("Endpoint" or "Group")

actionTargets: "id": the ID of the target object

Request Body

```
1. {
        "action": "TVOn",
2.
        "actionCluster": "DSS",
3.
        "actionParameters": [],
4.
        "actionTargets": [{
5.
                 "id": "59cd21187d8eb78358266eee",
6.
                 "cmdTargetType": "Endpoint"
7.
8.
            }
9.
        ]
10.}
```

```
1. {
2.
        "activityId": "59d541bb7d8eb78a6c3fc323",
        "action": "TVOn",
"actionCluster": "EZTV",
3.
4.
5.
        "actionTargets": [
6.
             {
7.
                 "id": "59cd21187d8eb78358266eee",
8.
                 "cmdTargetType": "Endpoint"
9.
             }
10.
        "state": "Queued",
11.
        "actionParameters": [],
12.
        "scheduledRunTime": "2017-10-04T20:16:59.6110782Z",
13.
        "mOE": false,
14.
        "runOK": null,
15.
        "runEPStatus": null,
16.
17.
        "link": null
18. }
```



Activities - Immediate - Set Volume

Description Execute an activity immediately

Set volume on an array of targets; endpoints or groups

Type POST

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/events/immediate/activities

Required Fields action: the action to execute on each target

TVVolume – Set volume on TV via RS232 EndpointVolume – Set volume on endpoint

actionParameters: "Volume" – set volume on target (integer: 0 to 100) actionTargets: "cmdTargetType": type of target ("Endpoint" or "Group")

actionTargets: "id": the ID of the target object

Request Body

```
1. {
        "action": "TVVolume",
2.
        "actionCluster": "DSS",
3.
        "actionParameters": [{
4.
                 "name": "Volume",
5.
                 "value": "70"
6.
            }
7.
8.
        ],
        "actionTargets": [{
9.
                 "id": "59cd21187d8eb78358266eee",
10.
11.
                 "cmdTargetType": "Endpoint"
12.
13.
14. }
```

```
15. {
       "activityId": "59d543af7d8eb78a6c3fc328",
16.
        "action": "TVVolume",
17.
        "actionCluster": "EZTV",
18.
       "actionTargets": [
19.
20.
                "id": "59cd21187d8eb78358266eee",
21.
22.
                "cmdTargetType": "Endpoint"
23.
       24.
25.
       "actionParameters": [
26.
27.
           {
                "name": "Volume",
28.
                "value": "70"
29.
30.
31.
32.
        "scheduledRunTime": "2017-10-04T20:25:19.8115022Z",
       "mOE": false,
33.
```



```
34. "runOK": null,
35. "runEPStatus": null,
36. "link": null
37. }
```



Activities – Immediate – Set TV Input

Description Execute an activity immediately

Set TV input via RS232 on an array of targets; endpoints or groups

Type POST

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/events/immediate/activities

Required Fields actionParameters: "Input" – set TV input (TV dependent: "HDMI1", "HDMI2",

"HDMI3", "HDMI4", "DVI1", "INPUT_PC1", "Component1", "Component2", "AV1", "AV2", "AV3", "CableTV", "AntennaTV", "CableDTV", "AntennaDTV")

actionTargets: "cmdTargetType": type of target ("Endpoint" or "Group")

actionTargets: "id": the ID of the target object

Request Body

```
1. {
        "action": "SetTVInput",
2.
        "actionCluster": "DSS",
3.
        "actionParameters": [{
4.
                "name": "Input"
5.
                 "value": "HDMI1"
6.
7.
            }
8.
9.
        "actionTargets": [{
                 "id": "59cd21187d8eb78358266eee",
10.
                 "cmdTargetType": "Endpoint"
11.
12.
            }
        ]
13.
14.}
```

```
1. {
2.
        "activityId": "59d545b77d8eb78a6c3fc32c",
        "action": "SetTVInput",
3.
        "actionCluster": "EZTV",
4.
5.
        "actionTargets": [
6.
7.
                 "id": "59cd21187d8eb78358266eee",
                 "cmdTargetType": "Endpoint"
8.
9.
            }
10.
        "state": "Queued",
11.
        "actionParameters": [
12.
13.
            {
14.
                 "name": "Input",
                 "value": "HDMI1"
15.
            }
16.
17.
        "scheduledRunTime": "2017-10-04T20:33:59.9428198Z",
18.
        "mOE": false,
19.
20.
        "runOK": null,
```



```
21. "runEPStatus": null,
22. "link": null
23. }
```



Events - Start Now By ID

Description Execute a stored event immediately

Type POST

Request Path https://192.168.1.60/DSS/api/v1/eztv/dss/events/{ID}/start_now

Example Path https://192.168.1.60/DSS/api/v1/eztv/dss/events/59ac510d7d8eb755c46b4aa4/start_now

Request Body None

```
2.
        "id": "59ac510d7d8eb755c46b4aa4",
        "name": "Set channel",
3.
        "description": "",
4.
        "creationDate": "2017-09-03T18:59:25.0200000Z",
5.
        "lastUpdate": "2017-09-03T18:59:25.0200000Z",
6.
7.
        "status": "Ended",
        "start": null,
8.
9.
        "nextRunEndTime": null,
10.
        "end": null,
        "recurrenceRule": null,
11.
        "activitiesCount": 1,
12.
13.
        "nextRunTime": null,
        "lastRunEndTime": "2017-10-04T20:39:05.1960000Z",
14.
        "lastRunStartTime": "2017-10-04T20:38:49.2040000Z",
15.
        "duration": 2,
16.
17.
        "quickLauncherSlot": null,
        "linkedObjectsLink": {
18.
            "type": "href",
19.
            "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/events/59ac510d7d8eb755c46b4aa4/links"
20.
21.
22.
        "hasAllActivitiesWithEffectiveTargets": true,
        "lastRunOK": null,
23.
24.
        "lastRunActivitiesStatus": null,
        "link": {
25.
            "type": "self",
26.
            "ref": "https://192.168.1.60/DSS/api/v1/eztv/dss/events/59ac510d7d8eb755c46b4aa4"
27.
28.
        }
29. }
```