

# Cue-iT API Specification

## Documentation for Cue-iT API

### Controllers

#### Controllers - Add Controller (GET)

Serves the widget data for adding a controller to an instance of Cue-iT

GET

```
http://localhost:4370/csapi/getControllerList/add
```

Permission: Read ☐

**C0000: OK**

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"

Field	Type	Description
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Controllers-AddControllerGet-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "formAction",
        "heading": "Form Action",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
            "type": "textInput",
            "heading": "Controller IP Address",
            "icon": "",
            "tooltip": "IP Address of the prompter to add",
            "attributes": {
              "name": "controllerAddress",
              "required": true,
              "pattern": "^(^s*(((0-9)|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5]
            }
          },
          {
            "type": "textInput",
            "heading": "Cue-iT IP Address",
            "icon": "",
            "tooltip": "IP Address of the prompter to add",
            "attributes": {
              "name": "cueitAddress",
              "required": true,
              "pattern": "^(^s*(((0-9)|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5]
            }
          },
          {
            "type": "buttonGroup",
            "heading": "",
            "icon": "",
            "tooltip": "",
            "childWidgets": [
              {
                "type": "button",
                "heading": "Add",
                "icon": "",
                "tooltip": "",
                "submit": true
              },
              {
                "type": "button",
                "heading": "Cancel",

```

```
        "icon": "",
        "tooltip": "",
        "cancel": true
      }
    ]
  },
  "attributes": {
    "method": "POST",
    "action": "getControllerList/add"
  }
}
```

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

Controllers - Add Controller (POST)

Add this controller to Cue iT  
Using this POST endpoint will submit information to attempt to add a controller to this instance of Cue iT.

POST

```
http://localhost:4370/csapi/getControllerList/add
```

Permission: ReadWrite ☐

Parameter

Field	Type	Description
controllerAddress	String	The IP address, or hostname, of the controller to add
cueitAddress	String	The IP address, or hostname, of the CueiT to add the controller to

## C0200: POST Success

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0200
name	ResponseName	POST Success, change applied successfully
value optional	ResponseValue	Human readable description of status

## C0400: Internal Function Failed

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0400
name	ResponseName	Internal Function Failed
value optional	ResponseValue	Human readable description of error

## C0003: Invalid Capability Parameter


Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

## Controllers - Controller Info

Displays the information page for this controller.

GET

http://localhost:4370/csapi/getControllerList/<serial-number>/info

Permission: Read 

Endpoint URL Parameter

Field	Type	Description
serial-number	String	The serial number of the scroll controller to access

Return Widgets

Field	Type	Description
Serial_Number	label	Serial Number of this device
Firmware_Version	label	String representation of firmware version, in hex, such as 0x11  Size range: 4  Allowed values: "0xNN"
Online	label	String displaying whether the device is currently connected  Allowed values: "Yes", "No"
Enabled	label	String displaying whether the device is currently enabled for use with prompting  Allowed values: "Yes", "No"

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error

Field	Type	Description
data	Object	Response payload data
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Controllers-ControllerInfo-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "label",
        "heading": "Serial Number",
        "icon": "",
        "tooltip": "Serial Number",
        "value": "<serial-number>"
      },
      {
        "type": "label",
        "heading": "Firmware Version",
        "icon": "",
        "tooltip": "Firmware Version",
        "value": "<firmware-version>"
      },
      {
        "type": "label",
        "heading": "Online",
        "icon": "",
        "tooltip": "Online",
        "value": "Yes"
      }
    ]
  }
}
```

```
    },
    {
      "type": "label",
      "heading": "Enabled",
      "icon": "",
      "tooltip": "Enabled",
      "value": "Yes"
    }
  ]
}
```

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

Controllers - Enable/Disable Controller (GET)

Enables or disables using this controller for scrolling.  
Using this GET endpoint will provide widgets to generate a self-validating form to enable or disable a controller to the POST endpoint of the same name.  
The top-level page widget will be a form, and the child page widgets will include toggle widget and a button group containing OK & cancel buttons.

GET

```
http://localhost:4370/csapi/getControllerList/<serial-number>/enable
```

Permission: Read ☐

Endpoint URL Parameter

Field	Type	Description
serial-number	String	The serial number of the scroll controller to access

C0000: OK

Field	Type	Description
response	ResponseObject	Response object

Field	Type	Description
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
pageWidgets	Widget[]	Array of page widget objects
type	String	Widget type
heading	String	Widget human readable label
icon	String	Widget icon URL
tooltip	String	Widget brief description
value	String	Widget display value

- C0000: OK [#success-examples-Controllers-EnableControllerGet-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "formAction",
        "heading": "Form Action",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
            "type": "toggle",
            "heading": "Enable",
            "icon": "",
            "tooltip": "Selects whether or not this controller will be used by tr",
            "attributes": {
              "name": "enable",
              "checked": true
            }
          }
        ]
      },
      {
        "type": "buttonGroup",
        "heading": "",

```



```
        "icon": "",
        "tooltip": "",
        "childWidgets": [
            {
                "type": "button",
                "heading": "OK",
                "icon": "",
                "tooltip": "",
                "submit": true
            },
            {
                "type": "button",
                "heading": "Cancel",
                "icon": "",
                "tooltip": "",
                "cancel": true
            }
        ]
    },
    "attributes": {
        "method": "POST",
        "action": "getControllerList/<serial-number>/enable"
    }
}
]
```

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

Controllers - Enable/Disable Controller (POST)

Enables or disables using this controller for scrolling.  
Using this POST endpoint will submit information to attempt to enable or disable a controller for use in prompting with this instance of Cue iT.



<http://localhost:4370/csapi/getControllerList/<serial-number>/enable>

Permission: ReadWrite ☐

## Endpoint URL Parameter

Field	Type	Description
serial-number	String	The serial number of the scroll controller to access

## Parameter

Field	Type	Description
enable	String	Whether or not to use this controller for prompting with this instance of Cue iT  Allowed values: "on", "off"

## C0200: POST Success

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0200
name	ResponseName	POST Success, change applied successfully
value optional	ResponseValue	Human readable description of status

## C0102: Invalid POST

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0102
name	ResponseName	Invalid POST, POST parameters invalid or unusable

## C0400: Internal Function Failed

Name	Type	Description
response	ResponseObject	Response object

Name	Type	Description
code	ResponseCode	C0400
name	ResponseName	Internal Function Failed
value optional	ResponseValue	Human readable description of error

### C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

## Controllers - Forget Controller (GET)

Removes this controller from Cue iT permanently. Using this POST endpoint will provide widgets to generate a self-validating form to forget a controller to the POST endpoint of the same name. The top-level page widget will be a form, and the child page widgets will include confirmation message and a button group containing yes & no buttons.

### GET

```
http://localhost:4370/csapi/getControllerList/<serial-number>/forget
```

Permission: Read ☐

### Endpoint URL Parameter

Field	Type	Description
serial-number	String	The serial number of the scroll controller to access

### C0000: OK

Field	Type	Description
response	ResponseObject	Response object

Field	Type	Description
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Controllers-ForgetControllerGet-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "formAction",
        "heading": "Form Action",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
            "type": "heading",
            "heading": "Are you sure?",
            "icon": "",
            "tooltip": "Are you sure you want to remove this device?",
            "title": "Are you sure?",
            "description": "Are you sure you want to remove this controller from
```

```
    },
    {
      "type": "buttonGroup",
      "heading": "",
      "icon": "",
      "tooltip": "",
      "childWidgets": [
        {
          "type": "button",
          "heading": "Yes",
          "icon": "",
          "tooltip": "",
          "submit": true
        },
        {
          "type": "button",
          "heading": "No",
          "icon": "",
          "tooltip": "",
          "cancel": true
        }
      ]
    }
  ],
  "attributes": {
    "method": "POST",
    "action": "getControllerList/<serial-number>/forget"
  }
}
]
```

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

Controllers - Forget Controller (POST)

Forget this controller to Cue iT permanently  
Using this POST endpoint will submit information to attempt to forget a controller to this instance of Cue iT.

POST

http://localhost:4370/csapi/getControllerList/<serial-number>/forget

Permission: ReadWrite ☐

Endpoint URL Parameter

Field	Type	Description
serial-number	String	The serial number of the scroll controller to access

C0200: POST Success

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0200
name	ResponseName	POST Success, change applied successfully
value optional	ResponseValue	Human readable description of status

C0400: Internal Function Failed

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0400
name	ResponseName	Internal Function Failed
value optional	ResponseValue	Human readable description of error

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003

Name	Type	Description
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

## Controllers - List All

Lists all scroll controllers currently added to this instance of Cue iT This capability will list all known controllers, followed by a capability to add a new controller.

GET

http://localhost:4370/csapi/getControllerList

Permission: Read ☐

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description

Field	Type	Description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Controllers-ListControllers-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "capabilities": [
      {
        "uri": "getControllerList/<serial-number>",
        "name": "<ControllerName>",
        "icon": "",
        "permissions": [
          "read",
          "show"
        ],
        "description": "Provides information and configuration for controller named <
        "hasChildren": true
      }
    ]
  }
}
```

## Controllers - View Controller

Provides functionality for managing scroll control device <serial-number> connected to this instance of Cue iT.

GET

```
http://localhost:4370/csapi/getControllerList/<serial-number>
```

Permission: Read ☐

### Endpoint URL Parameter

Field	Type	Description
serial-number	String	The serial number of the scroll controller to access

### C0000: OK

Field	Type	Description
response	ResponseObject	Response object



Field	Type	Description
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Controllers-ViewController-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "capabilities": [
      {
        "uri": "getControllerList/<serial-number>/info",
        "name": "Controller Information",
        "icon": "",
        "permissions": [
          "read",
          "show"
        ],
        "description": "Displays the information page for this controller",
        "hasChildren": false
      },
      {
        "uri": "getControllerList/<serial-number>/enable",
```

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```
      "name": "Enable/Disable Controller",
      "icon": "",
      "permissions": [
        "read",
        "show",
        "write"
      ],
      "description": "Enables or disables using this controller for scrolling",
      "hasChildren": false
    }
  ]
}
```

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

Device Information

Device Information - Get Cue iT Information

Provides information about this instance of Cue iT

GET

http://localhost:4370/csapi/deviceInformation

Permission: Read ☐

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000

Field name	Type ResponseName	Description
		OK, request did not produce an error
data	Object	Response payload data
pageWidgets	Widget[]	Array of page widget objects
type	String	Widget type
heading	String	Widget human readable label
icon	String	Widget icon URL
tooltip	String	Widget brief description
value	String	Widget display value

- C0000: OK [#success-examples-Device\_Information-DeviceInformation-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "label",
        "heading": "Manufacturer",
        "icon": "",
        "tooltip": "Device Manufacturer",
        "value": "CueScript, Inc."
      },
      {
        "type": "label",
        "heading": "Name",
        "icon": "",
        "tooltip": "Device Name",
        "value": "Cue iT none"
      },
      {
        "type": "label",
        "heading": "Version",
        "icon": "",
        "tooltip": "Device Version",
        "value": "3.0.0"
      },
      {
        "type": "label",
```

```
    "heading": "Currently Prompting",
    "icon": "",
    "tooltip": "Shows whether or not the device is currently prompting",
    "value": false
  }
]
```

# Prompt Controller

## Prompt Controller - Control prompting for Cue iT

Retrieve GUI form items for Toggling prompting ON or OFF for a Cue iT instance

GET

```
http://localhost:4370/csapi/promptController
```

Permission: Read ☐

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
pageWidgets	Widget[]	Array of page widget objects
type	String	Widget type
heading	String	Widget human readable label
icon	String	Widget icon URL

Field	Type	Description
tooltip	String	Widget brief description
value	String	Widget display value

- C0000: OK [#success-examples-Prompt\_Controller-PormptController-1\_0\_0-0]

```
{
  "response":{
    "code":"C0000",
    "name":"OK"
  },
  "data":{
    "pageWidgets":[{"type":"formAction",
      "heading":"Form Action",
      "icon":"Toggle Prompting",
      "tooltip":"",
      "childWidgets":[
        {
          "type":"buttonGroup",
          "heading":"",
          "icon":"",
          "tooltip":"",
          "childWidgets":[
            {
              "type":"button",
              "heading":"Toggle Prompting",
              "icon":"",
              "tooltip":"",
              "submit":true
            }
          ]
        }
      ]
    },
    "attributes":{"method":"POST",
      "action":"promptController/prompt"
    }
  ]
}
```

## Prompt Controller - Toggle Prompting ON/OFF (POST)

Allow user to toggle prompting ON/OFF for respective Cue iT instances

### POST

```
http://localhost:4370/csapi/promptController/prompt
```

Permission: ReadWrite ☐

**C0200: POST Success**

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0200
name	ResponseName	POST Success, change applied successfully
value optional	ResponseValue	Human readable description of status

**C0102: Invalid POST**

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0102
name	ResponseName	Invalid POST, POST parameters invalid or unusable

**C0400: Internal Function Failed**

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0400
name	ResponseName	Internal Function Failed
value optional	ResponseValue	Human readable description of error

**C0003: Invalid Capability Parameter**

Name	Type	Description
response	ResponseObject	Response object

Name	Type	Description
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

# Prompters

## Prompters - Add new (GET)

Manually adds a new prompter to this instance of Cue iT.  
Using this GET endpoint will provide widgets to generate a self-validating form to add a new prompter to the POST endpoint of the same name.  
The top-level page widget will be a form, and the child page widgets will include a text input, and a button group containing add & cancel buttons.

### GET

```
http://localhost:4370/csapi/getPrompterList/add
```

Permission: Read ☐

### C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
pageWidgets	Widget[]	Array of page widget objects
type	String	Widget type

Field	Type	Description
heading	String	Widget human readable label
icon	String	Widget icon URL
tooltip	String	Widget brief description
value	String	Widget display value
childWidgets	Widget[]	Child widgets of the widget
attributes	Object	Attributes of the widget

- C0000: OK [#success-examples-Prompters-AddPrompterGet-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "formAction",
        "heading": "Form Action",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
            "type": "textInput",
            "heading": "IP Address",
            "icon": "",
            "tooltip": "IP Address of the prompter to add",
            "attributes": {
              "name": "ipAddress",
              "required": true,
              "pattern": "<regular-expression>"
            }
          }
        ],
      },
      {
        "type": "buttonGroup",
        "heading": "",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
            "type": "button",
            "heading": "Add",
            "icon": "",
            "tooltip": "",
            "submit": true
          }
        ]
      }
    ]
  }
}
```



```
      },
      {
        "type": "button",
        "heading": "Cancel",
        "icon": "",
        "tooltip": "",
        "cancel": true
      }
    ]
  },
  ],
  "attributes": {
    "method": "POST",
    "action": "getPrompterList/add"
  }
}
]
```

## Prompters - Add new (POST)

Manually adds a new prompter to this instance of Cue iT.  
Using this POST endpoint will submit information to attempt to add a new prompter to this instance of Cue iT.

### POST

http://localhost:4370/csapi/getPrompterList/add

Permission: ReadWrite ☐

### Parameter

Field	Type	Description
ipAddress	String	The IP address, or hostname, of the prompter to add

### C0200: POST Success

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0200
name	ResponseName	POST Success, change applied successfully
value optional	ResponseValue	Human readable description of status

**C0102: Invalid POST**

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0102
name	ResponseName	Invalid POST, POST parameters invalid or unusable

**C0400: Internal Function Failed**

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0400
name	ResponseName	Internal Function Failed
value optional	ResponseValue	Human readable description of error

**Prompters - Enable/Disable Prompter (GET)**

Enables or disables using this prompter for prompting.

Using this GET endpoint will provide widgets to generate a self-validating form to enable or disable a prompter to the POST endpoint of the same name.

The top-level page widget will be a form, and the child page widgets will include toggle widget and a button group containing OK & cancel buttons.

**GET**

```
http://localhost:4370/csapi/getPrompterList/<serial-number>/enable
```

Permission: Read ☐

**Endpoint URL Parameter**

Field	Type	Description
serial-number	String	The serial number of the scroll prompter to access

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
pageWidgets	Widget[]	Array of page widget objects
type	String	Widget type
heading	String	Widget human readable label
icon	String	Widget icon URL
tooltip	String	Widget brief description
value	String	Widget display value

- C0000: OK [#success-examples-Prompters-EnablePrompterGet-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "formAction",
        "heading": "Form Action",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
            "type": "toggle",
            "heading": "Enable",
            "icon": "",
            "tooltip": "Selects whether or not this prompter will be used by this",
            "attributes": {
```

```
        "name": "enable",
        "checked": true
      },
    ],
    {
      "type": "buttonGroup",
      "heading": "",
      "icon": "",
      "tooltip": "",
      "childWidgets": [
        {
          "type": "button",
          "heading": "OK",
          "icon": "",
          "tooltip": "",
          "submit": true
        },
        {
          "type": "button",
          "heading": "Cancel",
          "icon": "",
          "tooltip": "",
          "cancel": true
        }
      ]
    }
  ],
  "attributes": {
    "method": "POST",
    "action": "getPrompterList/<serial-number>/enable"
  }
}
]
```

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

Prompters - Enable/Disable Prompter (POST)

Enables or disables using this prompter for prompting.  
Using this POST endpoint will submit information to attempt to enable or disable a prompter for use in prompting with this instance of Cue iT.

**POST**

```
http://localhost:4370/csapi/getPrompterList/<serial-number>/enable
```

Permission: ReadWrite ☐**Endpoint URL Parameter**

Field	Type	Description
serial-number	String	The serial number of the scroll prompter to access

**Parameter**

Field	Type	Description
enable	Boolean	Whether or not to use this prompter for prompting with this instance of Cue iT  Allowed values: true/false

**C0200: POST Success**

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0200
name	ResponseName	POST Success, change applied successfully
value optional	ResponseValue	Human readable description of status

**C0102: Invalid POST**

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0102
name	ResponseName	Invalid POST, POST parameters invalid or unusable

**C0400: Internal Function Failed**

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0400
name	ResponseName	Internal Function Failed
value optional	ResponseValue	Human readable description of error

**C0003: Invalid Capability Parameter**

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

**Prompters - Forget Prompter (GET)**

Removes this prompter from Cue iT permanently. Using this POST endpoint will provide widgets to generate a self-validating form to forget a prompter to the POST endpoint of the same name. The top-level page widget will be a form, and the child page widgets will include confirmation message and a button group containing yes & no buttons.

**GET**

```
http://localhost:4370/csapi/getPrompterList/<serial-number>/forget
```

Permission: Read ☐

**Endpoint URL Parameter**

Field	Type	Description
serial-number	String	The serial number of the scroll prompter to access

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Prompters-ForgetPrompterGet-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "formAction",
        "heading": "Form Action",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
```

```
    "type": "heading",
    "heading": "Are you sure?",
    "icon": "",
    "tooltip": "Are you sure you want to remove this device?",
    "title": "Are you sure?",
    "description": "Are you sure you want to remove this prompter from Cu
  },
  {
    "type": "buttonGroup",
    "heading": "",
    "icon": "",
    "tooltip": "",
    "childWidgets": [
      {
        "type": "button",
        "heading": "Yes",
        "icon": "",
        "tooltip": "",
        "submit": true
      },
      {
        "type": "button",
        "heading": "No",
        "icon": "",
        "tooltip": "",
        "cancel": true
      }
    ]
  },
],
"attributes": {
  "method": "POST",
  "action": "getPrompterList/<serial-number>/forget"
}
}
]
}
```

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

Prompters - Forget Prompter (POST)



Add this prompter to Cue iT permanently  
Using this POST endpoint will submit information to attempt to forget a prompter to this instance of Cue iT.

POST

http://localhost:4370/csapi/getPrompterList/<serial-number>/forget

Permission: ReadWrite ☐

Endpoint URL Parameter

Field	Type	Description
serial-number	String	The serial number of the scroll prompter to access

C0200: POST Success

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0200
name	ResponseName	POST Success, change applied successfully
value optional	ResponseValue	Human readable description of status

C0400: Internal Function Failed

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0400
name	ResponseName	Internal Function Failed
value optional	ResponseValue	Human readable description of error

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

## Prompters - List All

Lists all prompters currently added to this instance of Cue iT.  
This capability will list all known prompters, followed by a capability to add a new prompter.

GET

http://localhost:4370/csapi/getPrompterList

Permission: Read ☐

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL

Field	Type	Description
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Prompters-ListPrompters-1\_0\_0-0]


```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "capabilities": [
      {
        "uri": "getPrompterList/<serial-number>",
        "name": "<PrompterName>",
        "icon": "",
        "permissions": [
          "read",
          "show"
        ],
        "description": "Provides information and configuration for prompter named <Pr",
        "hasChildren": true
      },
      {
        "uri": "getPrompterList/add",
        "name": "Add New Prompter",
        "icon": "",
        "permissions": [
          "read",
          "show",
          "write"
        ],
        "description": "Manually adds a new prompter to this instance of Cue iT",
        "hasChildren": false
      }
    ]
  }
}
```

## Prompters - Prompter Info

Displays the information page for this prompter.

GET

```
http://localhost:4370/csapi/getPrompterList/<serial-number>/info
```

Permission: Read 

## Endpoint URL Parameter

Field	Type	Description
serial-number	String	The serial number of the scroll prompter to access

## Return Widgets

Field	Type	Description
Serial_Number	label	Serial Number of this device
Firmware_Version	label	String representation of the firmware version
Registration_Status	label	String containing registration end date and the current software flavor
Online	label	String displaying whether the device is currently connected  Allowed values: "Yes", "No"
Enabled	label	String displaying whether the device is currently enabled for use with prompting  Allowed values: "Yes", "No"

## C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
capabilities	Capability[]	Capabilities provided by this endpoint

Field	Type	Description
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Prompters-PrompterInfo-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "label",
        "heading": "Serial Number",
        "icon": "",
        "tooltip": "Serial Number",
        "value": "7334987229"
      },
      {
        "type": "label",
        "heading": "Firmware Version",
        "icon": "",
        "tooltip": "Firmware Version",
        "value": "2.5.3"
      },
      {
        "type": "label",
        "heading": "Online",
        "icon": "",
        "tooltip": "Online",
        "value": "Yes"
      },
      {
        "type": "label",
        "heading": "Registration Status",
        "icon": "",
        "tooltip": "Registration Status",
        "value": "Registered as 'news' until 5/1/2019"
      }
    ]
  }
}
```

```
{
  {
    "type": "label",
    "heading": "Enabled",
    "icon": "",
    "tooltip": "Enabled",
    "value": "Yes"
  }
}
```

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

Prompters - View Prompter

Provides functionality for managing scroll control device <serial-number> connected to this instance of Cue iT.

GET

```
http://localhost:4370/csapi/getPrompterList/<serial-number>
```

Permission: Read ☐

Endpoint URL Parameter

Field	Type	Description
serial-number	String	The serial number of the scroll prompter to access

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000

Field	Type	Description
name	ResponseName	OK, request did not produce an error
data	Object	Response payload data
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Prompters-ViewPrompter-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "capabilities": [
      {
        "uri": "getPrompterList/<serial-number>/info",
        "name": "Prompter Information",
        "icon": "",
        "permissions": [
          "read",
          "show"
        ],
        "description": "Displays the information page for this prompter",
        "hasChildren": false
      },
      {
        "uri": "getPrompterList/<serial-number>/enable",
        "name": "Enable/Disable Prompter",
        "icon": "",
        "permissions": [
          "read",

```

```
        "show",
        "write"
      ],
      "description": "Enables or disables using this prompter for scrolling",
      "hasChildren": false
    }
  ]
}
```

C0003: Invalid Capability Parameter

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0003
name	ResponseName	Invalid Capability Parameter, the endpoint URL parameter is not valid

Prompters - View Prompting Status (GET)

View prompting status of connected prompters and see if Cue-iT is prompting to them.

GET

```
http://localhost:4370/csapi/getPrompterList/promptStatus
```

Permission: Read ☐

- C0000: OK [#success-examples-Prompters-ViewPromptingStatus-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "promptStatusList": [
      {
        "serial": "0720673572",
        "friendlyName": "0720673572",
        "beingPromptedTo": false
      }
    ]
  }
}
```



```
}  
}
```

# Scripts

## Scripts - List All

Lists all currently opened scripts in Cue iT.

GET

```
http://localhost:4370/csapi/scripts
```

Permission: Read ☐

**C0000: OK**

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description

Field	Type	Description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Scripts-ScriptsListAll-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "capabilities": [
      {
        "uri": "scripts/<script-id>",
        "name": "<filename>",
        "icon": "",
        "permissions": [
          "read",
          "show"
        ],
        "description": "Provides access to the script with filename <filename>",
        "hasChildren": true
      }
    ]
  }
}
```

## Scripts - View Script

Gives access to the specific properties of a script <script-id>.

GET

```
http://localhost:4370/csapi/scripts/<script-id>
```

Permission: Read ☐

### Parameter

Field	Type	Description
script-id	Integer	The unique ID for this script in Cue iT. Note that this is number is sequential to the number of scripts opened, and may be reused if one script is closed and another is opened.

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Scripts-ScriptsListById-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "capabilities": [
      {
        "uri": "scripts/<script-id>/stories",
        {
          "title": "Stories",
          "pageNumber": "1"
        },
        "icon": "",
        "permissions": [
          "read",
          "show"
        ],
        "description": "Displays all stories within this script",
        "hasChildren": true
      }
    ]
  }
}
```


```
}
  ]
}
}
```

# Scripts - View Stories

Displays all stories within script <script-id>.

GET

```
http://localhost:4370/csapi/scripts/<script-id>/stories
```

Permission: Read 

## Parameter

Field	Type	Description
script-id	Integer	The unique ID for this script in Cue iT. Note that this is number is sequential to the number of scripts opened, and may be reused if one script is closed and another is opened.

## C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
capabilities	Capability[]	Capabilities provided by this endpoint
uri	String	The endpoint for this capability
name	String	The name of this capability
icon	String	Capability icon URL

Field	Type	Description
permissions	String[]	An array of strings listing permissions, ex. "read", "write", "show"
description	String	Capability brief description
hasChildren	Boolean	Whether or not this capability has sub-capabilities

- C0000: OK [#success-examples-Scripts-ScriptsViewStories-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "capabilities": [
      {
        "uri": "scripts/<script-id>/stories/<story-id>",
        "name": "New Story",
        "icon": "",
        "permissions": [
          "read",
          "show"
        ],
        "description": "Provides access to the story titled New Story",
        "hasChildren": false
      }
    ]
  }
}
```

## Scripts - View Story

Displays story <story-id> within script <script-id> This endpoint will return three label widgets, one with heading Slugline, one with heading Reference, and one with heading Body.

*Note that Reference is NOT necessarily the same as <story-id>; it is a human readable non-unique string used as a story identifier.*

GET

```
http://localhost:4370/csapi/scripts/<script-id>/stories/<story-id>
```

Permission: Read ☐

### Parameter

Field	Type	Description
script-id	Integer	The unique ID for this script in Cue iT. Note that this is number is sequential to the number of scripts opened, and may be reused if one script is closed and another is opened.
story-id	Integer	The unique ID for this story in the specified script. Note that this is number is sequential to the number of stories created, and may be reused if one story is removed and another is added. A story-id will only get recycled if a story is removed and added, not if it is moved within the script.

## C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error
pageWidgets	Widget[]	Array of page widget objects
type	String	Widget type
heading	String	Widget human readable label
icon	String	Widget icon URL
tooltip	String	Widget brief description
value	String	Widget display value

- C0000: OK [#success-examples-Scripts-ScriptsViewStory-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
```

```
    },
    "data": {
      "pageWidgets": [
        {
          "type": "label",
          "heading": "Slugline",
          "icon": "",
          "tooltip": "Slugline",
          "value": "<Story Slugline>"
        },
        {
          "type": "label",
          "heading": "Reference",
          "icon": "",
          "tooltip": "Reference",
          "value": "<Story Number>"
        },
        {
          "type": "label",
          "heading": "Body",
          "icon": "",
          "tooltip": "Body",
          "value": "<Story Content>"
        }
      ]
    }
  }
}
```

# Settings File

## Settings File - Capabilities

Provides some utilities for importing and exporting native Cue iT settings files

GET

```
http://localhost:4370/csapi/settingsFile
```

Permission: Read ☐

C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000

Field	Type	Description
name	ResponseName	OK, request did not produce an error

- C0000: OK [#success-examples-Settings\_File-SettingsFile-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "capabilities": [
      {
        "uri": "settingsFile/import",
        "name": "Import",
        "icon": "",
        "permissions": [
          "read",
          "show",
          "write"
        ],
        "description": "Import settings into Cue iT from a file",
        "hasChildren": false
      },
      {
        "uri": "settingsFile/export",
        "name": "Export",
        "icon": "",
        "permissions": [
          "read",
          "show",
          "write"
        ],
        "description": "Export settings from Cue iT into a file",
        "hasChildren": false
      }
    ]
  }
}
```

## Settings File - Export (GET)

Export settings from Cue iT into a file Using this GET endpoint will provide widgets to generate a self-validating form to export a file from a POST endpoint of the same name. The top-level page widget will be a form, and the child page widgets will include a button group containing export & cancel buttons.

### GET

```
http://localhost:4370/csapi/settingsFile/export
```

Permission: Read ☐



C0000: OK

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error

- C0000: OK [#success-examples-Settings\_File-SettingsFileExportGet-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "formAction",
        "heading": "Form Action",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
            "type": "buttonGroup",
            "heading": "",
            "icon": "",
            "tooltip": "",
            "childWidgets": [
              {
                "type": "button",
                "heading": "Export",
                "icon": "",
                "tooltip": "",
                "submit": true
              },
              {
                "type": "button",
                "heading": "Cancel",
                "icon": "",
                "tooltip": "",
                "cancel": true
              }
            ]
          }
        ]
      }
    ],
    "attributes": {
      "method": "POST",
      "action": "settingsFile/export"
    }
  }
}
```

# Settings File - Export (POST)

Export settings from Cue iT into a file Using this POST endpoint will submit information to attempt to export a settings file from this instance of Cue iT, and send the result as a downloaded file. A successful response will contain Content-Disposition, Content-Type, and Content-Length headers. The file should be saved as plain text, with the entire contents of the raw POST response body, using the filename specified in the Content-Disposition header

## POST

http://localhost:4370/csapi/settingsFile/export

Permission: ReadWrite ☐

## C0000: OK, Response Headers

Field	Type	Description
Content-Disposition	String	Downloaded file information, including the desired file name  Default value: attachment;filename=cueit-settings.cdb
Content-Type	String	Downloaded file content type  Default value: text/plain
Content-Length	String	Downloaded file size in bytes  Default value: file size in bytes

## C0000: OK

Field	Type	Description
data	String	Downloaded file text contents
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error

Field	Type	Description
-------	------	-------------

**C0007: OK**

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0007
name	ResponseName	File Or Resource Does Not Exist, settings file does not exist

**C0009: OK**

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0000
name	ResponseName	File Access Error, insufficient permissions to access settings file

## Settings File - Import (GET)

Import settings into Cue iT from a file Using this GET endpoint will provide widgets to generate a self-validating form to import a file to a POST endpoint of the same name. The top-level page widget will be a form, and the child page widgets will include a file input, and a button group containing import & cancel buttons.

**GET**

```
http://localhost:4370/csapi/settingsFile/import
```

Permission: Read ☐

**C0000: OK**

Field	Type	Description
response	ResponseObject	Response object

Field	Type	Description
code	ResponseCode	C0000
name	ResponseName	OK, request did not produce an error

- C0000: OK [#success-examples-Settings\_File-SettingsFileImportGet-1\_0\_0-0]

```
{
  "response": {
    "code": "C0000",
    "name": "OK"
  },
  "data": {
    "pageWidgets": [
      {
        "type": "formAction",
        "heading": "Form Action",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
            "type": "file",
            "heading": "Settings File",
            "icon": "",
            "tooltip": "The settings file to import",
            "attributes": {
              "name": "settingsFile",
              "required": true,
              "accept": ".cdb"
            }
          }
        ],
        "type": "buttonGroup",
        "heading": "",
        "icon": "",
        "tooltip": "",
        "childWidgets": [
          {
            "type": "button",
            "heading": "Import",
            "icon": "",
            "tooltip": "",
            "submit": true
          },
          {
            "type": "button",
            "heading": "Cancel",
            "icon": "",
            "tooltip": "",
            "cancel": true
          }
        ]
      }
    ],
    "attributes": {
      "method": "POST",
      "action": "settingsFile/import",
    }
  }
}
```

```
    "enctype": "multipart/form-data"
  }
}
]
```

## Settings File - Import (POST)

Import settings into Cue iT from a file Using this POST endpoint will submit information to attempt to import a settings file to this instance of Cue iT.

### POST

http://localhost:4370/csapi/settingsFile/import

Permission: ReadWrite ☐

### C0200: POST Success

Field	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0200
name	ResponseName	POST Success, change applied successfully
value optional	ResponseValue	Human readable description of status

### C0101: Invalid POST

Name	Type	Description
response	ResponseObject	Response object
code	ResponseCode	C0101
name	ResponseName	Invalid File Upload, POSTed file had a problem - maybe incorrect encoding or format.

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