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Select a definition

Controller Service

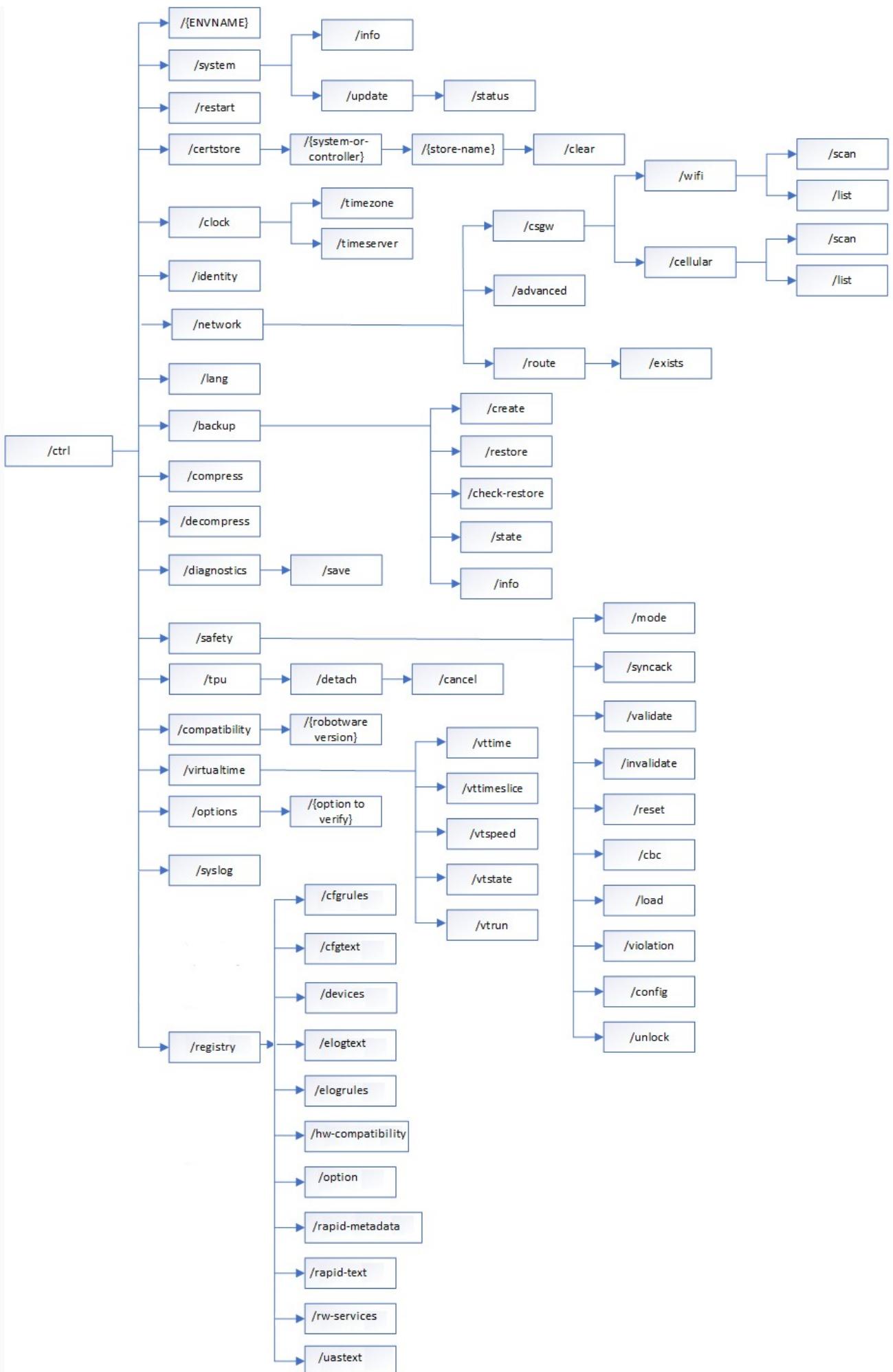


Robot Web Services

3HAC073675-001 Revision:1

https://developercenter.robotstudio.com/api/RWS/Swagger_Doc/Controller_Service.yaml

Controller Service



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Schemes

HTTPS



Operations on Controller Environment Variable Resource



GET

/ctrl/\${ENVNAME} Get Controller Environment Variable

"Returns the environment variable value."

Parameters

Try it out

Name	Description
------	-------------

ENVNAME * required

string

(path)

{ENVNAME}

ENVNAME

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code	Description
------	-------------

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <base href="https://localhost/ctrl/%24TEMP/" />
  </head>
  <body>
    <div class="state">
      <ul>
        <li class="ctrl-env" title="$TEMP">
          <span class="value">/TEMP</span>
        </li>
      </ul>
    </div>
  </body>
</html>
```

406

The server can only generate a response that is not accepted by the client

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Operations on Set Controller Language Resource ^

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POST

/ctrl/lang Set Controller Language



"Set controller language."

Parameters

Try it out

Name	Description
------	-------------

request-body object (body)	Data parameter(s) Example Value Model
----------------------------------	--

```
lang=string
```

Parameter content type

application/x-www-form-urlencoded;v=2.0 ▾

Responses

Response content type

application/json ▾

Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
415	The server will not accept the request, because the media type is not supported

OPTIONS /ctrl/lang Get Forms ^

"Returns the operations allowed to set controller language."

Parameters Try it out

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▾

Code	Description
200	Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/lang/" />
</head>
<body>
<div class="state">
<form id="set-ctrl-lang" method='post' action="lang">
<input type="text" name="lang"/>
</form>
</div>
</body>
</html>
```

Operations

OPTIONS /ctrl/lang ^

Code	Description
406	"Returns the operations allowed to restart controller."
	The server can only generate a response that is not accepted by the client
Parameters	
Try it out	
No parameters	
Responses	
Response content type application/xhtml+xml;v=2.0 ▾	
Code	Description
200	Standard response for successful HTTP requests
Example Value Model <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/restart/" /> </head> <body> <div class="state"> <form id="ctrl-restart" method='post' action=""> <select name="restart-mode"> <option value="restart"></option> <option value="shutdown"></option> <option value="xstart"></option> <option value="istart"></option> <option value="pstart"></option> <option value="bstart"></option> </select> </form> </div> </body> </html></pre>	
406	The server can only generate a response that is not accepted by the client

POST

/ctrl/restart Restart Controller



"Restart the controller.
Mastership is required for all domains."

Parameters

Try it out

Name	Description
mastership string (query)	{implicit explicit} by default mastership is explicit mastership
request-body object (body)	Data parameter(s) Example Value Model restart-mode:string

Parameter content type
application/x-www-form-urlencoded;v=2.0 ▾

Responses

Response content type

application/json ▾

Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

Operations on Certificate Store Resource

Operations on
Certificate Store
Resource

GET

/ctrl/certstore Get Certificate Store



"List all certificate stores, available under specified store.

At high level, there are two groups (controller and system) of certificate stores. Each of these groups can contain one or more certificate stores.

In case, there is no certificate store, NO_CONTENT(204) will be returned.

UAS grant is required for this operation."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/certstore/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-certstore-li" title="0">
<a href="controller" rel="self"/>
<span class="store-name">controller</span>
</li>
<li class="ctrl-certstore-li" title="1">
<a href="system" rel="self"/>
<span class="store-name">system</span>
</li>
</ul>
</div>
</body>
</html>
```

204

The request has been successfully processed, but is not returning any content

401

The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided

403

The request was a legal request, but the server is refusing to respond to it

Code	Description
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/certstore/{system-or-controller}
/{store-name}

Get Content of Certificate



"Retrieve content of the certificate(s) stored under specific certificate-store. The certificate will be in PEM format.

In case, there is no certificate, NO_CONTENT(204) will be returned.
UAS grant is required for this operation."

Parameters

[Try it out](#)

Name Description

system-or-controller * required {system-or-controller}

string

(path)

system-or-controller

store-name * required {store-name}

string

(path)

store-name

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html>
<head>
<base href="https://localhost/ctrl/certstore/system/device_store" />
</head>
<body>
<div class="state">
<a href="" rel="self"/>
<ul>
```

Code	Description
	<pre><li class="ctrl-certstore-cert" title="certificate"> n-----BEGIN CERTIFICATE REQUEST----- MIIB9TCCAWACAQAwgbgxGTAXBgNVBAoMEFF1b1ZhZG1zIExpbWl0ZWQxHDAaBgNV BAsME0RvY3VtZW50IERlcGFydG1lbNQxOTA3BgNVBAMMFdoeSBhcmUgeW91IGR1 Y29kaW5nIG1lPyAgVGhpcyBpcyBvbmx5IGEgdGVzdCEhITERMA8GA1UEBwwISGFT aWx0b24xETAPBgNVBAgMCFB1bWJyb2t1MQswCQYDVQQGEwJCTTEPMA0GCSqGSIb3 DQEJARYAMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCJ9WRanG/fUvcfKiG1 EL4aRLjGt537mZ28UU9/3eiJeJznNSouNLnF+hmabAu7H0LT4K7Edqff+F+XUZW/2j RKRYcvOUDGF9A70jW7UFKK1In3+6QDCi7X34RE161jqoaJjm/T18TOKcgkkhRzE apQnIDm0Ea/HVzX/PiSOGuertwIDAQABMAAsGCSqGSIb3DQEBBQOBgQBzMJdAV4QP Awe18LzGx5uMoShezF/Kfp67wJ93UW+N7zXY6AwPgoLj4Kjw+WtU684JL8Dtr9FX ozakE+8p06BpxegR4BR3FMHf6p+0jQxUEAkAyb/mVgm66TyghDGC6/YkiKoZptXQ 98TwDIK/39WEB/V607As+KoYazQG8drorw== -----END CERTIFICATE REQUEST----- </div></pre>

204

The request has been successfully processed, but is not returning any content

401

The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided

403

The request was a legal request, but the server is refusing to respond to it

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/certstore/{system-or-controller}
/{store-name}

Add Certificate



"Add a certificate (PEM formatted) to a certificate store.
UAS grant is required for this operation."

Parameters

Try it out

Name

Description

system-or-controller * required

{system-or-controller}

string

(path)

system-or-controller

Name	Description
store-name * required string (path)	{store-name} store-name
request-body object (body)	Data parameter(s) Example Value Model filepath=string
Parameter content type	
application/x-www-form-urlencoded;v=2.0 ▾	
Responses	Response content type
	application/json ▾
Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

OPTIONS/ctrl/certstore/{system-or-controller}
{store-name}

Get Forms



"Options on a certificate."

Parameters

Try it out

Name	Description
------	-------------

system-or-controller * required {system-or-controller}

string
(path)

system-or-controller

store-name * required {store-name}

string
(path)

store-name

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code	Description
------	-------------

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/certstore/controller/trust_ca_store/" />
</head>
<body>
<div class="state">
<form id="ctrl-certstore-add" method="post" action="">
<input name="filepath" type="text"/>
</form>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/certstore/{system-or-controller}
{store-name}/clear

Remove Certificate



"Delete all certificates from the certificate store.
UAS grant is required for this operation."

Parameters

[Try it out](#)

Name	Description
------	-------------

system-or-controller * required {system-or-controller}

string

(path)

system-or-controller

store-name * required {store-name}

string

(path)

store-name

Responses

Response content type

application/json



Code	Description
------	-------------

204

The request has been successfully processed, but is not returning any content

401

The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided

403

The request was a legal request, but the server is refusing to respond to it

415

The server will not accept the request, because the media type is not supported

[OPTIONS](#)

/ctrl/certstore/{system-or-controller}
/{store-name}/clear

Get Forms



"Options to clear certificate store."

Parameters

[Try it out](#)

Name Description

system-or-controller * required {system-or-controller}

string

(path)

system-or-controller

store-name * required {store-name}

string

(path)

store-name

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/certstore/controller/trust_ca_store/clear
/" />
</head>
<body>
<div class="state">
<form id="ctrl-certstore-clear" method="post" action="">
</form>
</div>
</body>
</html>
```

Operations

GET

"Returns the current state of the certificate store."

406

Parameters The server can only generate a response that is not accepted by the client

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾**Code****Description**

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://10.140.120.1/ctrl/clock/" />
</head>
<body> <div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-clock-info" title="clock">
<span class="datetime">2021-06-15 T 14:00:51</span>
</li>
<li class="ctrl-timezone-li" title="timezone">
<a href="timezone" rel="self"></a>
</li>
<li class="ctrl-timeserver-li" title="timeserver">
<a href="timeserver" rel="self"></a>
</li>
</ul>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

OPTIONS

/ctrl/clock Get Forms



"Returns the form to be used for setting the system clock. Available only for RC."

Parameters**Try it out**

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code	Description
200	<p>Standard response for successful HTTP requests</p> <p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://10.140.120.1/ctrl/clock/" /> </head> <body> <div class="state"> <form id="set-system-clock" method='put' action=""> <input type="number" name="sys-clock-year" min="1900"/> <input type="number" name="sys-clock-month" min="1" max="12" /> <input type="number" name="sys-clock-day" min="1" max="31" /> <input type="number" name="sys-clock-hour" min="0" max="23" /> <input type="number" name="sys-clock-min" min="0" max="59" /> <input type="number" name="sys-clock-sec" min="0" max="59" /> </form> </div> </body> </html></pre>

406

The server can only generate a response that is not accepted by the client

PUT
/ctrl/clock Set the Clock of the Controller
^

"Sets the clock of the controller.
Instead of explicitly setting the time, one can use "set time server" which will cause the controller to retrieve the UTC time from the specified server.
The time set and returned from this resource is always from UTC. One can set the time zone by calling set time zone. A client that wants to present a timestamp, for example from an eventlog message, in a user interface, can call Get time zone in addition to get clock in order to present a time in that time zone. Please note that the value returned from get clock is always UTC.
Available only for RC."

Parameters
Try it out

Name	Description
request-body object (body)	<p>Data parameter(s)</p> <p>Example Value Model</p> <pre>sys-clock-year=string&sys-clock-month=string&sys-clock-day=string&sys-clock-hour=string&sys-clock-min=string&sys-clock-sec=string</pre>

Name	Description
Parameter content type	
<code>application/x-www-form-urlencoded;v=2.0</code> ▾	
Responses	
Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

GET	/ctrl/clock/timezone	Get Timezone Resource	^
"Returns the timezone resource. Available only for RC."			
Parameters		Try it out	
No parameters			
Responses	Response content type		
	<code>application/xhtml+xml;v=2.0</code> ▾		

Code	Description
200	Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://10.140.120.1/ctrl/clock/timezone/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-timezone" title="timezone">
<span class="timezone">Asia/Kolkata</span>
</li>
</ul>
</div>
</body>
</html>
```

OPTIONS /ctrl/clock/timezone Get Forms ^

"Returns the form to be used for setting the timezone. Available only for RC.
Available only for RC."

Parameters Try it out

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▾

Code	Description
200	Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://10.140.120.1/ctrl/clock/timezone/" />
</head>
<body>
```

Code	Description
	<pre><div class="state"> <form id="set-timezone" method='post' action=""> <input type="text" name="timezone"/> </form> </div> </body> </html></pre>

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/clock/timezone Set the Time Zone



"Set the time zone which shall be used by the controller.
Available only for RC."

Parameters

Try it out

Name	Description
request-body object (body)	Data parameter(s) Example Value Model <code>timezone=string</code>

Parameter content type

application/x-www-form-urlencoded;v=2.0 ▾

Responses

Response content type

application/json ▾

Code	Description
204	The request has been successfully processed, but is not returning any content

Code	Description
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

GET

/ctrl/clock/timeserver Get Time Server Resource



"Returns the time server resource.
 Available only for RC.
 Response will be NO_CONTENT(204) when user will not provide the url param and not even the time server is set in the controller"

Parameters

[Try it out](#)

Name	Description
------	-------------

server-ip string (query)	{server ip} If present, will return details of given server IP. In absence of this optional input, default time-server details will be returned.
--------------------------------	--

server-ip

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code	Description
------	-------------

200	Standard response for successful HTTP requests
-----	--

Example Value | Model

Code	Description
	<pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://10.140.120.1/ctrl/clock/timeserver/" /> </head> <body> <div class="state"> <li class="ctrl-timeserver" title="timeserver"> 1.1.1.1 1499154042 </div> </body> </html></pre>

204

The request has been successfully processed, but is not returning any content

406

The server can only generate a response that is not accepted by the client

OPTIONS /ctrl/clock/timeserver Get Forms ^

"Returns the form to be used for setting the time server.
Available only for RC."

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
```

Code	Description
	<pre><base href="https://localhost/ctrl/clock/timeserver/" /> </head> <body> <div class="state"> <form id="set-timeserver" method='post' action=""> <input type="text" name="timeserver"/> </form> </div> </body> </html></pre>

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/clock/timeserver Set the Time Server



"Set the time server to be used by the controller.
Available only for RC."

Parameters

Try it out

Name	Description
request-body object (body)	<p>Data parameter(s)</p> <p>Example Value Model</p> <pre>server-ip=string</pre>

Parameter content type

application/x-www-form-urlencoded;v=2.0 ▾

Responses

Response content type

application/json ▾

Code	Description
204	The request has been successfully processed, but is not returning any content

Code

Description

Operations on Identity Resource

Operations on Identity Resource



The request cannot be fulfilled due to bad syntax

GET

/ctrl/identity Get Identity Resource



The request was a legal request, but the server is refusing to respond to it.

For use when authentication is possible but has failed or not yet been

"Returns the controller identity.

provided"

The ctrl-mac tag is supported from RW version 7.4."

403

The request was a legal request, but the server is refusing to respond to it

Parameters

Try it out

415

No parameters The server will not accept the request, because the media type is not supported

Responses

Response content type

application/xhtml+xml;v=2.0



Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/identity/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-identity-info" title="identity">
<span class="ctrl-name">IN-W-7002229</span>
<span class="ctrl-id">CSE-20-IN-T06</span>
<span class="ctrl-type">Real Controller</span>
<span class="ctrl-mac">00:30:64:45:d9:5a</span>
</li>
</ul>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

OPTIONS

/ctrl/identity Get Forms



"Returns the form to be used for setting the system identity. Available only for RC."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/identity" />
</head>
<body>
<div class="state">
<form name="set-ctrl-identity" method='put' action="">
<input type="text" name="ctrl-name"/>
</form>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

PUT

/ctrl/identity Set the Identity of the Controller

⌞

"Set the identity of the controller.
Available only for RC."

Parameters

[Try it out](#)

Name

Description

request-body
object

Data parameter(s)

[Example Value](#) | [Model](#)

Name	Description
(body)	<code>ctrl-name=string</code>
Parameter content type	<code>application/x-www-form-urlencoded;v=2.0</code> ▾
Responses	Response content type
	<code>application/json</code> ▾
Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
415	The server will not accept the request, because the media type is not supported

Operations on System Resource

Operations on System Resource ^

POST	<code>/ctrl/system/update</code> Update System ^
<p>"Specified update package shall be applied to this RobotWare system. Location header /ctrl/system/update/status will be returned after successful completion of the API.</p> <p>Supported only in RC.</p> <p>UAS grant is required for System update.</p> <p>Mastership should be taken for all domains.</p> <p>If this API returns success response, than API shall perform the work asynchronously.</p> <p>To check for progress of the operation, client should use the URL which is received from the location header.</p> <p>During update process, the controller shall restart one or more times. Once the controller is restarted, it is responsibility of the client to reconnect to the controller.</p> <p>If this API fails, it is responsibility of the caller to remove the update package directory which is passed by caller."</p>	
Parameters	Try it out

Name	Description
request-body object (body)	<p>Data parameter(s)</p> <p>Example Value Model</p> <pre>path=string</pre>
	<p>Parameter content type</p> <div style="border: 1px solid #ccc; padding: 2px;">application/x-www-form-urlencoded;v=2.0 ▾</div>
Responses	
<p>Response content type</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">application/json ▾</div>	
Code	Description
202	The request has been accepted for processing, but the processing has not been completed
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

OPTIONS	/ctrl/system/update Get Forms	^
"Returns the form to be used for update system."		
Parameters		Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://192.168.125.1/ctrl/system/update/" />
</head>
<body>
<div class="state">
<form id="update-system" method='post' action="/ctrl/system/update">
<input type="text" name="path"></input>
</form>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

GET

/ctrl/system/update/status Get Update System Status



"Get the update system progress.

Supported only in RC.

This API should be called after a successful call to update system API."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

Code	Description
200	Standard response for successful HTTP requests
	<p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html> <head> <base href= "https://192.168.125.1/ctrl/system/update/status/" /> </head> <body> <div class="state"> <li class="ctrl-system" title="update-status"> inprogress </div> </body> </html></pre>

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/system/info Get Installed System Info



"Retrieve a number of essential system installation configuration files.

Supported only in RC.

UAS grant is required for write access.

Files shall be copied to the specified location (Ram disk should be used preferably) which is passed by caller and caller needs to remove them."

Parameters

Try it out

Name	Description
request-body object (body)	<p>Data parameter(s)</p> <p>Example Value Model</p> <pre>path=string&file-type=string</pre>
Parameter content type	
<code>application/x-www-form-urlencoded;v=2.0</code> ▾	
Responses	Response content type
200	<p>Standard response for successful HTTP requests</p> <p>Example Value </p> <pre><?xml version="1.0" encoding="UTF-8"?> <notagname>&lt;?xml version="1.0"; encoding="utf-8";?&gt;; &lt;html&gt;; &lt;head&gt;; &lt;base href= "https://192.168.125.1/ctrl/system/info/"; /&gt;; &lt;/head&gt;; &lt;body&gt;; &lt;div class="state"&gt;; &lt;a href=""; rel="self"/&gt;; &lt;ul&gt;; &lt;li class="ctrl-system-info-li"; title="abb.robotics.robotcontrol_7.0.298.rmf"&gt;; &lt;a href="/fileservice/RAMDISK/ALPHA_29/abb.robotics.robotcontrol_7.0.298.rmf"; rel="self"/&gt;; &lt;/li&gt;; &lt;li class="ctrl-system-info-li"; title="abb.robotics.robotos.rmf"&gt;; &lt;a href="/fileservice/\$RAMDISK/ALPHA_29/abb.robotics.robotos.rmf"; rel="self"/&gt;; &lt;/li&gt;; &lt;li class="ctrl-system-info-li"; title="controller.rsf"&gt;; &lt;a href="/fileservice/\$RAMDISK/ALPHA_29/controller.rsf"; rel="self"/&gt;; &lt;/li&gt;; &lt;li class="ctrl-system-info-li"; title="virtual.abb.robotics.robotcontrol.rlf"&gt;;</pre>
400	The request cannot be fulfilled due to bad syntax

Code	Description
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
406	The server can only generate a response that is not accepted by the client
415	The server will not accept the request, because the media type is not supported

OPTIONS

/ctrl/system/info Get Forms



"Returns the form to be used for installed system info."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://192.168.125.1/ctrl/system/info/" />
</head>
<body>
<div class="state">
<form id="system-info" method='post' action="/ctrl/system/info">
<input type="text" name="path"></input>
<input type="text" name="file-type"></input>
</form>
</div>
```

Code	Description
</body> </html>	
406	The server can only generate a response that is not accepted by the client

GET /ctrl/system Get Installed System ^

"Get installed system.
Supported only in RC."

Parameters **Try it out**

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▼

Operations on Network Resource Operations on Network Resource ^

200 Standard response for successful HTTP requests

GET /ctrl/network Get Network Resource ^

"Returns a list of network resources." Not applicable

Parameters

No parameters

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/system"/>
</head>
<body>
<div class="state">
<a href="" rel="self"/>
<ul>
<li class="ctrl-system-li" title="RW6_TEST">
</li>
</ul>
</div>
</body>
</html>
```

Responses Response content type application/xhtml+xml;v=2.0 ▼

406 The server can only generate a response that is not accepted by the client

Code	Description
------	-------------

Code	Description
200	<p>Standard response for successful HTTP requests</p> <p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/network/" /> </head> <body> <div class="state"> <li class="ctrl-netw-adv-li" title="advanced"> <li class="ctrl-netw" title="X23"> WAN Public 10.140.198.101 255.255.255.0 10.140.46.66 10.140.70.66 enabled 10.140.198.1 <li class="ctrl-netw" title="X6"> LAN1 Private 192.168.125.1 </pre>

406	The server can only generate a response that is not accepted by the client
-----	--

OPTIONS
/ctrl/network Get Forms
^

"Get possible actions with forms on network setting.
Not supported by VC.
Controller must be restarted to reflect the changes."

Parameters
Try it out

No parameters

Responses
Response content type
application/xhtml+xml;v=2.0 ▾

Code	Description
200	<p>Standard response for successful HTTP requests</p> <p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://10.140.120.1/ctrl/network/" /> </head> <body> <div class="state"> <form id="setipcfg" method='post' action=""> <select name="method"> <option value="fixip"></option> <option value="dhcp"></option> <option value="noip"></option> </select> <input type="text" name="address" value="" /> <input type="text" name="mask" value="" /> <input type="text" name="gateway" value="" /> </form> </div> </body> </html></pre>
406	<p>The server can only generate a response that is not accepted by the client</p>

POST
/ctrl/network Set Network Configuration
▲

"Set network configuration of LAN adaptor. Location header /ctrl/restart will be returned after successful completion of the API.
Not supported by VC.
Controller must be restarted to reflect the changes.
Requires the UAS grant UAS_CONTROLLER_PROPERTIES_WRITE"

Parameters
Try it out

Name	Description
request-body object (body)	<p>Data parameter(s)</p> <p>Example Value Model</p> <pre>method=string&address=string&mask=string&gateway=string</pre>

Parameter content type

Name	Description
<code>application/x-www-form-urlencoded;v=2.0</code>	
Responses	
Code	Description
202	The request has been accepted for processing, but the processing has not been completed
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

GET	/ctrl/network/advanced	Get Advanced Network Properties	^
"Returns the advance features of the network. Not applicable for VC."			
Parameters	Try it out		
No parameters			
Responses	Response content type		
<code>application/xhtml+xml;v=2.0</code>			▼

Code	Description
200	<p>Standard response for successful HTTP requests</p> <p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://192.168.125.1:80/ctrl/network/advanced/" /> </head> <body> <div class="state"> <li class="ctrl-netw-adv" title="X23"> 00:30:64:18:88:f3 unplugged true 0 <li class="ctrl-netw-adv" title="X6"> 00:30:64:18:88:f3 plugged true 100 Mbps <li class="ctrl-netw-adv" title="X4"> 00:30:64:18:88:f3 unplugged true 0 </div> </body> </html></pre>
406	<p>The server can only generate a response that is not accepted by the client</p>

GET /ctrl/network/route/exists Check a Route Table Entry ^

"Check whether a route table entry already exists or not.
Not supported by VC."

Parameters Try it out

Name	Description
destination * required string (query)	{destination}

destination

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/network/route/exists/" />
</head>
<body>
<div class="state">
<a href="?destination=192.168.125.10" rel="self"></a>
<ul>
<li class="ctrl-network-route-check" title="route-status">
<span class="route-exist">false</span>
</li>
</ul>
</div>
</body>
</html>
```

400

The request cannot be fulfilled due to bad syntax

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/network/csgw/cellular/scan Cellular Scan from CSGW



"Scan Cellular. Location header /progress/{id} will be returned after successful completion of the API.

Since scan cellular is an asynchronous task, the location header can be subscribed on to get information about the status of the task.

Not supported by VC.

NOT_FOUND(404) when M19 3G Module is not detected."

The resource can be subscribed to get events with current status of Cellular Scan.

The resource URI for this subscription will be /progress/{id}, where /progress/{id} is the "location header" returned after successful completion of "Cellular Scan from CSGW" API.

If the subscription is created when Scan Operation is not completed(scan operation is in progress), the state will be in "pending".

Sample response for Cellular Scan subscription

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
<base href="https://localhost/">
</head>
<body>
<div class="state">
  <a href="subscription/1" rel="group"></a>
  <a href="ws://localhost/poll/1" rel="self"></a>
  <ul>
    <li class="progress-ev" title="scan-cellular">
      <a href="/progress/1" rel="self"/>
      <span class="state">pending</span>
      <span class="code">294914</span>
    </li>
  </ul>
</div>
</body>
</html>
```

An event will look like

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/">
</head>
<body>
<div class="state">
  <a href="subscription/7" rel="group"/>
  <a href="/progress/3" rel="self"/>
  <ul>
    <li class="progress-ev" title="scan-cellular">
      <span class="state">ready</span>
      <span class="code">294913</span>
    </li>
  </ul>
</div>
</body>
</html>
```

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/json



Code

Description

202

The request has been accepted for processing, but the processing has not been completed

Code	Description
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
404	The requested page could not be found but may be available again in the future
415	The server will not accept the request, because the media type is not supported

OPTIONS
/ctrl/network/csgw/cellular/scan Get Forms
^

"Returns the form to be used to Scan Cellular.
Not supported by VC.
NOT_FOUND(404) when M19 3G Module is not detected."

Parameters
Try it out

No parameters

Responses
Response content type
application/xhtml+xml;v=2.0 ▾

Code
Description

200
Standard response for successful HTTP requests

Example Value
Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/network/csgw/cellular/scan/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<form id="scan-cellular" method="post" action=""> </form>
```

Code	Description
	</div> </body> </html>
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
404	The requested page could not be found but may be available again in the future

GET /ctrl/network/csgw/cellular/list Cellular List from CSGW ^

"Get Cellular List.
Not supported by VC.
NOT_FOUND(404) when M19 3G Module is not detected.
NO_CONTENT(204) when operator list is empty."

Parameters Try it out

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▾

Code	Description
200	Standard response for successful HTTP requests
	Example Value Model
	<?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/network/csgw/cellular/list/" /> </head> <body> <div class="state"> <li class="ctrl-csgw-cellular-list" title="0"> 45 available 404

Code	Description
	<pre>airtel gsm,umts <li class="ctrl-csgw-cellular-list" title="1"> 71 available 404 CellOne gsm,umts <li class="ctrl-csgw-cellular-list" title="2"> 86 available 404</pre>
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
404	The requested page could not be found but may be available again in the future
415	The server will not accept the request, because the media type is not supported

POST

/ctrl/network/csgw/wifi/scan Wifi Scan from CSGW

^

"Scan Wifi. Location header /progress/{id} will be returned after successful completion of the API. Since scan wifi is an asynchronous task, the location header can be subscribed on to get information about the status of the task.

Not supported by VC.

NOT_FOUND(404) when M19 WIFI Module is not detected."

The resource can be subscribed to get events with current status of Wifi Scan.

The resource URI for this subscription will be /progress/{id}, where /progress/{id} is the "location header" returned after successful completion of "Wifi Scan from CSGW" API. If the subscription is created when Scan Operation is not completed(scan operation is in progress), the state will be in "pending".

Sample response for Wifi Scan subscription

```

<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/" />
</head>
<body>
  <div class="state">
    <a href="subscription/1" rel="group"></a>
    <a href="ws://localhost/poll/1" rel="self"></a>
    <ul>
      <li class="progress-ev" title="scan-wifi">
        <a href="/progress/1" rel="self"/>
        <span class="state">pending</span>
        <span class="code">294914</span>
      </li>
    </ul>
  </div>
</body>
</html>

```

An event will look like

```

<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/" />
</head>
<body>
  <div class="state">
    <a href="subscription/7" rel="group"/>
    <a href="/progress/3" rel="self"/>
    <ul>
      <li class="progress-ev" title="scan-wifi">
        <span class="state">ready</span>
        <span class="code">294913</span>
      </li>
    </ul>
  </div>
</body>
</html>

```

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/json



Code

Description

202

The request has been accepted for processing, but the processing has not been completed

Code	Description
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
404	The requested page could not be found but may be available again in the future
415	The server will not accept the request, because the media type is not supported

OPTIONS

/ctrl/network/csgw/wifi/scan Get Forms



"Returns the form to be used to Scan Wifi.
Not supported by VC.
NOT_FOUND(404) when M19 WIFI Module is not detected."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/network/csgw/wifi/scan/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<form id="scan-wifi" method="post" action=""> </form>
```

Code	Description
	</div> </body> </html>
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
404	The requested page could not be found but may be available again in the future

GET
/ctrl/network/csgw/wifi/list Wifi List from CSGW
^

"Get Wifi list.
Not supported by VC.
NOT_FOUND(404) when M19 WIFI Module is not detected.
Second Sample Response when wifi is disabled.
NO_CONTENT(204) when wifi list is empty."

Parameters
Try it out

No parameters

Responses
Response content type
application/xhtml+xml;v=2.0 ▾

Code
Description

200	Standard response for successful HTTP requests
Example Value Model	
<pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/network/csgw/wifi/list/" /> </head> <body> <div class="state"> <li class="ctrl-csgw-wifi-list" title="0"> IoT projects -21 </pre>	

Code	Description
	<pre>psk,wps </div> </body> </html></pre>

Operations on Backup Resource Operations on Backup Resource ^

204 The request has been successfully processed, but is not returning any content

GET /ctrl/backup/info Get Backup System Information ^

400

The request cannot be fulfilled due to bad syntax

"Contains information of a backup system."

401 Parameters The request was a legal request, but the server is refusing to respond to it. Try it out

403 Name Description

backup-path	The request was a legal request, but the server is refusing to respond to it {path}
404 string (query)	The requested page could not be found but may be available again in the future backup-path

415

The server will not accept the request, because the media type is not supported

Responses Response content type application/xhtml+xml;v=2.0 ^

Code	Description
------	-------------

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/backup/info/" />
</head>
<body>
<div class="state">
<a href="?backup-path=/fileservice/%24temp/new" rel="self"></a>
<ul>
<li class="sys-system" title="system">
<span class="name">RobotWare.7.0.0-271.Internal</span>
<span class="RobotControl">7.0.0-330.Internal+330</span>
<span class="RobotOS">1.0.0-465.Internal+465</span>
</li>

```

Code	Description
	<pre><li class="sys-options" title="options"> RobotWare Base English 3122-1 Robot Web Services IRB 14050-0.5/0.5 Drive System IRB 14050 </div> </body> </html></pre>

400

The request cannot be fulfilled due to bad syntax

406

The server can only generate a response that is not accepted by the client

GET

/ctrl/backup/state Get Backup State



"Get status of backup."

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/backup/state" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-backup-state" title="backup-state">
<span class="backup-state">Init State</span>
</li>
</ul>
</div>
</body>
</html>
```

Code	Description
	<pre></div> </body> </html></pre>
406	The server can only generate a response that is not accepted by the client

POST

/ctrl1/backup/restore Restore a Backup



"Restore a backup. If the request is well formed and if the backup can be restored, a success response will be returned and the controller will restart.
Requires UAS grant to restore a backup."

Parameters

[Try it out](#)

Name	Description
request-body	Data parameter(s)
object (body)	Example Value Model <pre>backup=string&ignore=string&delete-dir=string&include-cs=string&include-ss=string&include=string</pre>

Parameter content type

application/x-www-form-urlencoded;v=2.0 ▾

Responses

Response content type

application/json ▾

Code	Description
202	The request has been accepted for processing, but the processing has not been completed
400	The request cannot be fulfilled due to bad syntax

Code	Description
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

OPTIONS

/ctrl/backup/restore Get Forms



"Returns the form to be used for restore."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code	Description
200	Standard response for successful HTTP requests
	<p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/backup/restore" /> </head> <body> <div class="state"> <form id="restore" method='post' action=""> <input type="text" name="backup"> </input> <input type="text" name="ignore"> </input> <input type="text" name="delete-dir"> </input> <input type="text" name="include-cs"> </input> <input type="text" name="include"> </input> </form> </div> </body> </html></pre>

406 The server can only generate a response that is not accepted by the client

POST /ctrl/backup/create Create a Backup ^

"Create a backup on a disk (mounted or fix disk) on the controller. The method is asynchronous. Location header /progress/{id} will be returned after successful completion of the API.

Requires UAS grant UAS_BACKUP.

It is not possible to create backup with the same path and name as an environment variable directory and under the HOME directory.

Backup may affect RAPID execution and can cause system stops."

The current state of the backup are sent as events.

The resource URI for this subscription will be /progress/{id}.

If the subscription is created during backup creation of the system (backup.log is in progress), the state will be in "pending".

This subscription is not supported on virtual controller.

Sample response for Backup System Information subscription

```
<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <base href="https://localhost/" />
  </head>
  <body>
    <div class="state">
      <a href="subscription/4" rel="group"/>
      <ul>
        <a href="/progress/1" rel="self"/>
        <li class="progress-ev" title="backup">
```

```
<a href="/fileservice/$TEMP/Demo" rel="resource"/>
<span class="state">ready</span>
<span class="code">294912</span>
</li>
</ul>
</div>
</body>
</html>
```

An event will look like

- [pending 294912](#)

Parameters

[Try it out](#)

Name	Description
request-body	Data parameter(s)
object (body)	Example Value Model <code>backup=string&archive=string</code>

Parameter content type

[application/x-www-form-urlencoded;v=2.0](#) ▾

Responses

Response content type

[application/json](#) ▾

Code	Description
202	The request has been accepted for processing, but the processing has not been completed
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it

Code	Description
415	The server will not accept the request, because the media type is not supported

OPTIONS

/ctrl/backup/create Get Forms



"Returns the form to be used for create backup."

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code**Description**

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/backup/create" />
</head>
<body>
<div class="state">
</a>
<form id="backup" method='post' action="">
<input type="text" name="backup" value="0" />
</form>
</div> </body>
</html>
```

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/backup/check-restore Check Restore



"Check for possible mismatches and other problems with a given backup."

Use the method @ref rwsystem_get_system to receive system information regarding the current system and @ref ctrl_backup_system_get_page to get system information for the backup. By comparing system information from current system and system information from backup, it is possible to see differences in robot types, options, languages, etc."

Parameters

Try it out

Name	Description
request-body	Data parameter(s)
object (body)	<p>Example Value Model</p> <pre>backup=string&ignore=string&include-cs=string&include-ss=string&include=strin g</pre>

Parameter content type

application/x-www-form-urlencoded;v=2.0 ▾

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code	Description
200	<p>Standard response for successful HTTP requests</p> <p>Example Value Model</p> <pre><?xml version="1.0" encoding="UTF-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/backup/check-restore"/> </head> <body> <div class="state"> <li class="ctrl-checkrestore" title="checkrestore"> DIR_NOT_COMPLETE /TEMP/EIO.cfg </div> </body> </html></pre>

Code	Description
400	The request cannot be fulfilled due to bad syntax
406	The server can only generate a response that is not accepted by the client
415	The server will not accept the request, because the media type is not supported

OPTIONS /ctrl/backup/check-restore Get Forms ^

"Returns the form to be used for create backup."

Parameters **Try it out**

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▼

Code	Description
200	Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/backup/check-restore" />
</head>
<body>
<div class="state">
<form id="check-restore" method='post' action="/ctrl/backup/check-restore">
<input type="text" name="backup"> </input>
<input type="text" name="ignore"> </input>
<input type="text" name="include-cs"></input>
<input type="text" name="include-ss"></input>
<input type="text" name="include"></input>
</form>
</div>
</body>
</html>
```

Code	Description
406	The server can only generate a response that is not accepted by the client

OPTIONS /ctrl/backup Get Forms ^

"Returns the form to be used for backup."

Parameters **Try it out**

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▼

Code	Description
200	Standard response for successful HTTP requests
406	The server can only generate a response that is not accepted by the client

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/backup/" />
</head>
<body>
<div class="state">
<form id="sub-subscribe" method='post' action="/subscription">
<fieldset class="backupsysinfo-ev">
<input type="checkbox" name="resources" value="1"/>
<input class="res" type="text" name="1" value="/progress/1;state" maxlength="500"/>
<select class="priority" name="1-p"> <option value="0" selected="selected">
</option> <option value="1">
</option> </select> </fieldset>
</form>
</div> </body>
</html>
```

GET /ctrl/backup Get Backup Resource ^

Operations on Compress Resource

Operations on Compress Resource



OPTIONS /rs/ctrl/compress Get Forms

Try it out



No parameters

"Returns the form to be used for compress."

Parameters

Responses

Response content type

Try it out

application/xhtml+xml;v=2.0

No parameters

Code **Description**

200

Responses Standard response for successful HTTP requests

Response content type

application/xhtml+xml;v=2.0

Example Value | Model

Code

```
<?xml version="1.0" encoding="UTF-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/backup/" />
</head>
<body>
<div class="state">
<a href="" rel="self"/>

<?xml version="1.0" encoding="UTF-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/compress/" />
</head>
<body>
<div class="state">
<form id="comp" method='post' action="">
<input type="text" name="srcpath" value="0" />
<input type="text" name="dstpath" value="0" />
</form>
</div>
</body>
</html>
```

200

The server can only generate a response that is not accepted by the client
The server can only generate a response that is not accepted by the client

406

406

POST

/ctrl/compress Compress Operation



"Enables the user to compress resources i.e. files or directories. Location header /progress/{id} will be returned after successful completion of the API.

Compression of HOME folder, its sub directories, and SYSTEM folder is not allowed.

While decompressing a compressed file or a folder to a destination path, if a file or a folder with the

same name as the compressed file name is already existing, it will be overwritten by the contents of the decompressed file or folder.

Since compression of resources are asynchronous tasks, the location header can be subscribed on to get information about the status of the tasks."

The resource can be subscribed to get events with current status of compress operation.

The resource URI for this subscription will be /progress/{id}, where /progress/{id} is the "location header" returned after successful completion of "Compress Operation" API.

Sample response for Backup Compress Operation subscription

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost:443/">
</head>
<body>
  <div class="state">
    <a href="subscription/3" rel="group"></a>
    <a href="wss://localhost:443/poll/3" rel="self"></a>
    <ul>
      <a href="/progress/3" rel="self"/>
        <li class="progress-ev" title="compress">
          <span class="state">pending</span>
          <span class="code">294912</span>
        </li>
    </ul>
  </div>
</body>
</html>
```

An event will look like

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <base href="https://localhost:443/">
</head>
<body>
  <div class="state">
    <a href="subscription/1" rel="group"></a>
    <ul>
      <a href="/progress/1" rel="self"/>
        <li class="progress-ev" title="compress">
          <a href="/fileService/$temp/TEMP.rzo" rel="resource"/>
          <span class="state">ready</span>
          <span class="code">-1073414146</span>
        </li>
    </ul>
  </div>
</body>
</html>
```

Parameters

Try it out

Name	Description
------	-------------

Name	Description
request-body	Data parameter(s)
object (body)	Example Value Model <pre>srcpath=string&dstpath=string</pre>
Parameter content type	
<code>application/x-www-form-urlencoded;v=2.0</code> ▾	
Responses	Response content type
	<code>application/json</code> ▾
Code	Description
202	The request has been accepted for processing, but the processing has not been completed
400	The request cannot be fulfilled due to bad syntax
415	The server will not accept the request, because the media type is not supported

OPTIONS	/ctrl/decompress	Get Forms	^
"Returns the form to be used for decompress."			
Parameters	Try it out		
No parameters			
Responses	Response content type		
<code>application/xhtml+xml;v=2.0</code> ▾			

Code	Description
200	<p>Standard response for successful HTTP requests</p> <p>Example Value Model</p> <pre><?xml version="1.0" encoding="UTF-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/decompress/"> </head> <body> <div class="state"> <form id="dcomp" method='post' action=""> <input type="text" name="srcpath" value="0" /> <input type="text" name="dstpath" value="0" /> </form> </div> </body> </html></pre>
406	<p>The server can only generate a response that is not accepted by the client</p>

POST

/ctrl/decompress Decompress Operation



"Enables the user to decompress resources i.e. files or directories. Location header /progress/{id} will be returned after successful completion of the API.

While decompressing a compressed file or a folder to a destination path, if a file or a folder with the same name as the compressed file name is already existing, it will be overwritten by the contents of the decompressed file or folder.

Since decompression of resources are asynchronous tasks, the location header can be subscribed on to get information about the status of the tasks."

The resource can be subscribed to get events with current status of decompress operation.

The resource URI for this subscription will be /progress/{id}, where /progress/{id} is the "location header" returned after successful completion of "Decompress Operation" API.

Sample response for Backup decompress Operation subscription

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost:443/">
</head>
<body>
<div class="state">
<a href="subscription/1" rel="group"></a>
<a href="wss://localhost:443/poll/1" rel="self"></a>
<ul>
<a href="/progress/1" rel="self"/>
<li class="progress-ev" title="compress">
<span class="state">pending</span>
<span class="code">294912</span>
</li>
</ul>
</div>
</body>
</html>
```

```
</div>
</body>
</html>
```

An event will look like

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost:443/">
</head>
<body>
  <div class="state">
    <a href="subscription/1" rel="group"></a>
    <ul>
      <a href="/progress/1" rel="self"/>
        <li class="progress-ev" title="compress">
          <a href="/fileService/$temp/test21/TEMP" rel="resource"/>
          <span class="state">ready</span>
          <span class="code">294912</span>
        </li>
      </ul>
    </div>
  </body>
</html>
```

Parameters

Try it out

Name	Description
------	-------------

request-body Data parameter(s)

object
(body) Example Value | Model

```
srcpath:string&dstpath:string
```

Parameter content type

application/x-www-form-urlencoded;v=2.0 ▾

Responses

Response content type

application/json ▾

Code	Description
------	-------------

202

The request has been accepted for processing, but the processing has not been completed

Code	Description
400	The request cannot be fulfilled due to bad syntax

Operations on Diagnostics Resource

The server will not accept the request, because the media type is not supported

Operations on
Diagnostics Resource



OPTIONS /ctrl/diagnostics Get Forms



"Returns the form to be used for diagnostics.
Not supported on Virtual Controller."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code	Description
200	Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="UTF-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/diagnostics"/>
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<form id="subscribe" method="post" action="/subscription">
<fieldset class="sub-diagnostics">
<input type="checkbox" name="resources" value="1"/>
<input type="text" name="1" value="/ctrl/diagnostics" maxlength="500"/>
<select class="priority" name="1-p">
<option value="0" selected="selected"/>
<option value="1"/>
</select>
</fieldset>
</form>
<form id="subscribe" method="post" action="/subscription">
<fieldset class="sub-diagnostics-states">
<input type="checkbox" name="resources" value="1"/>
<input type="text" name="1" value="/progress/1;state" maxlength="500"/>
<select class="priority" name="1-p">
<option value="0" selected="selected"/>
<option value="1"/>
</select>
</fieldset>
</form>

```

Code	Description
</select>	
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/diagnostics Get Diagnostics Resources



"Get diagnostics resources.

Not supported on Virtual Controller."

The resource can be subscribed (system dump) using /subscription with resource uri /ctrl/diagnostics

Subscribe on "/ctrl/diagnostics" to get events with a path to the new system dump folder, which has been created on the controller.

If there is no system dump available in the controller, the initial response will be empty.

Also, if the subscription is created when a system dump is in progress, the initial response will be empty.

If an client has already subscribed on the system dump resource(/ctrl/diagnostics), and the existing system dump folder has been deleted or moved, Path sent in the initial response can be invalid for the new client's subscribing on this resource since the folder has been deleted after the dump was created.

Sample response for system dump subscription

```
<?xml version="1.0" encoding="UTF-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
</head>
<body>
<div class="state">
<a href="subscription/7" rel="group" />
<a href="ws://localhost/poll/7" rel="self" />
<a href="subscription/7?action=show" rel="action" />
<ul>
<li class="ctrl-diagnostics-ev" title="sysdump">
<a href="/fileService/temp/SYSDMP/2" rel="resource" />
</li>
</ul>
</div>
</body>
</html>
```

The resource can also be subscribed to get events with current status of System Diagnostics.

The resource URI for this subscription will be /progress/{id}, where /progress/{id} is the "location header" returned after successful completion of "Save system diagnostics" API. If the subscription is created when save System Diagnostics(diagnostic.log is in progress), the state will be in "pending".

Sample response for Save system diagnostics subscription

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/">
</head>
<body>
```

```

<div class="state">
  <a href="subscription/4" rel="group"/>
  <a href="ws://localhost/poll/4" rel="self"/>
  <a href="subscription/4?action=show" rel="action"/>
</div>
</body>
</html>

```

An event will look like

```

<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/">
</head>
<body>
  <div class="state">
    <a href="subscription/4" rel="group"/>
    <a href="/progress/1" rel="self"/>
    <ul>
      <li class="progress-ev" title="save-diagnostics">
        <a href="/fileservice/$TEMP/diagnostics.log" rel="resource"/>
        <span class="state">pending</span>
        <span class="code">294913</span>
      </li>
    </ul>
  </div>
</body>
</html>

```

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value |

```

<?xml version="1.0" encoding="UTF-8"?>
<notagname>&lt;?xml version="1.0" encoding="UTF-8"?&gt;
  &lt;html xmlns="http://www.w3.org/1999/xhtml"&gt;
    &lt;head&gt;
      &lt;base href="https://localhost/ctrl/diagnostics/&gt;
    &lt;/head&gt;
    &lt;body&gt;
      &lt;div class="state"&gt;
        &lt;a href="https://localhost/ctrl/diagnostics/&quot; rel="self"&gt;
      &lt;/div&gt;
    &lt;/body&gt;
  &lt;/html&gt;

```

Code	Description
	<pre>&lt;/html&gt; </notagname></pre>
406	The server can only generate a response that is not accepted by the client

POST

/ctrl/diagnostics/save Save System Diagnostics



"Save diagnostics log to a given file. Location header /progress/{id} will be returned after successful completion of the API.
Since saving a diagnostic log is an asynchronous task, the location header can be subscribed on to get information about the status of the task.
Not supported on Virtual Controller."

Parameters

Try it out

Name	Description
request-body	Data parameter(s)
object (body)	Example Value Model <code>dstpath=string</code>

Parameter content type

application/x-www-form-urlencoded;v=2.0 ▾

Responses

Response content type

application/json ▾

Code	Description
202	The request has been accepted for processing, but the processing has not been completed
400	The request cannot be fulfilled due to bad syntax

Code	Description
415	The server will not accept the request, because the media type is not supported

OPTIONS /ctrl/diagnostics/save Get Forms ^

"Returns the form to be used for diagnostics save.
Not supported on Virtual Controller."

Parameters **Try it out**

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▼

Code	Description
200	Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <base href="https://localhost/ctrl/diagnostics/save/" />
  </head>
  <body>
    <div class="state">
      <form id="save" method='post' action=""></form>
    </div>
  </body>
</html>
```

Operations

POST /ctrl/safety/config Load Safety Configuration File ^

"Load configuration file in the controller. The configuration file should exist inside the controller."

Parameters **Try it out**

Name	Description
request-body	Data parameter(s)
object (body)	Example Value Model
	<code>filepath=string</code>
	Parameter content type
	<code>application/x-www-form-urlencoded;v=2.0</code> ▾
Responses	Response content type
	<code>application/json</code> ▾
Code	Description
200	Standard response for successful HTTP requests
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

GET

/ctrl/safety/config Get Safety Configurations



"Gets information about the safety-supervision configurations."

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html
    xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/safety/config"/>
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="safety-ctrl-configuration-status" title="status">
<span class="config-status">SCORCH_CONFIG_LOADED</span>
</li>
<li class="safety-ctrl-configuration" title="configuration">
<span class="sw-major-ver">1</span>
<span class="sw-minor-ver">4</span>
<span class="sw-rev">0</span>
<span class="file-major-ver">1</span>
<span class="file-minor-ver">4</span>
<span class="file-rev">0</span>
<span class="creation-date">2015-10-26T14:42:00.000000+01:00</span>
<span class="created-by">ABB</span>
<span class="config-name"></span>
<span class="checksum">QZaTkDB3rOxDPPCM+FswQY+bf1fW2BZybkToTvufUuI=</span>
</li>
</ul>
</div>
```

406

The server can only generate a response that is not accepted by the client

OPTIONS

/ctrl/safety/config Get Forms



"Returns possible options under safety config."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/safety/config" />
</head>
<body>
<div class="state">
<form id="load" method='post' action="">
<input type="text" name="filepath"/>
</form>
</div> </body>
</html>
```

406

The server can only generate a response that is not accepted by the client

GET

/ctrl/safety/config/default Get Default Safety Configurations Status



"Gets default status information about the safety configuration. This api is supported from RW 7.2"

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
```

Code	Description
	<pre><html xmlns="http://www.w3.org/1999/xhtml"> <head><base href="https://localhost/ctrl/safety/config/default/" /> </head> <body> <div class="state"> <li class="safety-ctrl-config" title="status"> TRUE </div> </body> </html></pre>

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/safety/mode Set Safety Mode



"Set safety mode of the controller.
Controller should be in manual mode."

Parameters

[Try it out](#)

Name	Description
request-body object (body)	<p>Data parameter(s)</p> <p>Example Value Model</p> <pre>mode=string</pre>

Parameter content type

[application/x-www-form-urlencoded;v=2.0](#) ▾

Responses

Response content type

[application/json](#)



Code

Description

Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

GET
/ctrl/safety/mode Get Safety Mode Status
^

"Get safety mode status."

Parameters
Try it out

No parameters

Responses
Response content type
application/xhtml+xml;v=2.0 ▾

Code	Description
200	Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/safety/mode" /> </head>
<body>
<div class="state">
<a href="" rel="self"></a>
```

Code	Description
406	<pre> <li class="safetymodestatus" title="status"> 119 active </div> </body> </html></pre>

406

The server can only generate a response that is not accepted by the client

OPTIONS /ctrl/safety/mode Get Forms ^

"Returns possible options under safety mode."

Parameters **Try it out**

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▼

Code	Description
200	Standard response for successful HTTP requests
	<p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/safety/mode" /> </head> <body> <div class="state"> <form id="safety-mode" method='post' action=""> <input type="text" name="mode"/> </form> </div> </body> </html></pre>

406	The server can only generate a response that is not accepted by the client
-----	--

POST	/ctrl/safety/unlock	Unlock the Safety Configuration	^
"Unlock the safety configuration of the safety controller."			
Parameters		Try it out	
No parameters			
Responses		Response content type	application/json ▾
Code	Description		
204	The request has been successfully processed, but is not returning any content		
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided		

Code	Description
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

OPTIONS /ctrl/safety/unlock Get Forms ^

"Returns possible options under safety unlock."

Parameters **Try it out**

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▼

Code	Description
200	Standard response for successful HTTP requests
406	The server can only generate a response that is not accepted by the client

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/safety/unlock" />
</head>
<body>
<div class="state">
<form id="unlock" method='post' action="">
</form>
</div> </body>
</html>
```

POST /ctrl/safety/syncack Software Sync Acknowledgement ^

"Syncronize the actual positions with sync positions for individual joints.
Controller should be in manual mode."

Parameters

Try it out

Name	Description
request-body object (body)	Data parameter(s) Example Value Model <code>index=string</code>
	Parameter content type <code>application/x-www-form-urlencoded;v=2.0</code> ▾

Responses

Response content type

application/json ▾

Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

OPTIONS

/ctrl/safety/syncack Get Forms



"Returns possible options under safety sync acknowledgement."

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/safety/syncack" />
</head>
<body>
<div class="state">
<form id="sync-ack" method='post' action="">
<input type="index" value="0"/>
</form>
</div> </body>
</html>
```

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/safety/validate Add Validation Info

^

"Add validation info to the configuration file.

Must have grant UAS_SAFETY_SERVICES for method to succeed."

Parameters

Try it out

Name

Description

request-body

Data parameter(s)

object
(body)

[Example Value](#) | [Model](#)

```
validated-by:string
```

Name	Description
	Parameter content type application/x-www-form-urlencoded;v=2.0 ▾
Responses	Response content type application/json ▾
Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

OPTIONS /ctrl/safety/validate Get Forms		^
"Returns possible options under safety validate."		
Parameters		Try it out
No parameters		
Responses		Response content type application/xhtml+xml;v=2.0 ▾
Code	Description	
200	Standard response for successful HTTP requests	

Code	Description
	<p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/safety/validate/" /> </head> <body> <div class="state"> <form id="add-validation-info" method='post' action=""> <input type="text" name="validated-by"/> </form> </div> </body> </html></pre>

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/safety/invalidate Remove Validation Info



"Remove validation info from the configuration file.
Must have grant UAS_SAFETY_SERVICES for method to succeed."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/json



Code

Description

204

The request has been successfully processed, but is not returning any content

401

The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided

Code	Description
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

OPTIONS /ctrl/safety/invalidate Get Forms ^

"Returns possible options under safety invalidate."

Parameters **Try it out**

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▼

Code	Description
200	Standard response for successful HTTP requests
	Example Value Model
	<pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/safety/invalidate/" /> </head> <body> <div class="state"> <form id="remove-validation-info" method='post' action=""></form> </div> </body> </html></pre>
406	The server can only generate a response that is not accepted by the client

POST /ctrl/safety/reset Set Reset Safety Controller ^

"Request a factory restore of the Safety Controller's configuration.
User should have Safety services privileges."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/json



Code

Description

204

The request has been successfully processed, but is not returning any content

401

The request was a legal request, but the server is refusing to respond to it.
For use when authentication is possible but has failed or not yet been provided

403

The request was a legal request, but the server is refusing to respond to it

415

The server will not accept the request, because the media type is not supported

OPTIONS

/ctrl/safety/reset Get Forms



"Return possible options under safety reset."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0



Code	Description
200	<p>Standard response for successful HTTP requests</p> <p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost:443/ctrl/safety/reset/" /> </head> <body> <div class="state"> <form id="reset-safety-controller" method='post' action=""></form> </div> </body> </html></pre>
406	<p>The server can only generate a response that is not accepted by the client</p>

GET	/ctrl/safety/cbc Get Safety Cyclic Brake Check Status	Try it out
"Get safety cyclic brake check status."		
Parameters		
Name	Description	
drivenum * required string (query)	{mech unit drive number}	drivenum
Responses		Response content type application/xhtml+xml;v=2.0 ▾
Code		Description
200		Standard response for successful HTTP requests

Code	Description
Example Value Model	
	<pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/safety/cbc" /> </head> <body> <div class="state"> <li class="cbc-status" title="status"> 0 ok required </div> </body> </html></pre>
400	The request cannot be fulfilled due to bad syntax
406	The server can only generate a response that is not accepted by the client

GET
/ctrl/safety/load Get LoadOperation Status
^

"Check if allowed to load new configuration.
User should have safety service privileges."

Parameters
Try it out

No parameters

Responses
Response content type
application/xhtml+xml;v=2.0 ▾

Code	Description
200	Standard response for successful HTTP requests
Example Value Model	
<pre><?xml version="1.0" encoding="utf-8"?></pre>	

Code	Description
	<pre><html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/safety/load" /> </head> <body> <div class="state"> <li class="scorch-load-status" title="status"> OK </div> </body> </html></pre>

- 403 The request was a legal request, but the server is refusing to respond to it
- 406 The server can only generate a response that is not accepted by the client

GET /ctrl/safety/violation Get Safety Violation Info ^

"Get safety violation details from safety controller.
User should have Safety service privileges."

Parameters Try it out

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▾

Code	Description
200	<p>Standard response for successful HTTP requests</p> <p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/safety/violation" /> </head> <body> <div class="state"> </pre>

Code	Description
	<pre> <li class="safety-violationinfo" title="violation-info"> 0 none 0 0 0 0 48 0 0 0 0 0 0 0 </div></pre>

403

The request was a legal request, but the server is refusing to respond to it

406

The server can only generate a response that is not accepted by the client

Operations on Options Resource Operations on Options Resource ^

GET

/ctrl/safety Get Safety Resources
 /ctrl/options Get Options Resource



"Returns a list of controller safety resources. Currently, the following six resources are available -
 "Verifies if a given option is present in the controller."
 Config Status, Safety Mode Status, Safety Cyclic Break Check Status, LoadOperation Status,
 Safety Configurations, Safety Violation Info."

Parameters

Parameters

No parameters

No parameters

Try it out

Try it out

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

Code

Description

200

Standard response for successful HTTP requests

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/options" />
</head>
```

Code	Description
406	<pre> <body> <div class="state"> </div> </body> </html> <li class="ctrl-cyclicbreakcheckstatus-li" title="cyclicbreakcheckstatus"> <li class="ctrl-loadoperation-status-li" title="loadoperation-status"> <li class="ctrl-safety-configuration-li" title="safety-configuration"> <li class="ctrl-safety-violationinfo-li" title="safety-violationinfo"> </div> </pre> <p>"Verifies if a given option to verify exists. The option to verify can be a string or a path. For example: /cbc?drivenum=1 User can explore the following links:</p>

406 The server can only generate a response that is not accepted by the client

Parameters

[Try it out](#)

Name	Description
option to verify * required	{option to verify}
string (path)	option to verify

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Operations on Compatabile Resource

Operations on
Compatabile Resource



Code

Description

GET

/ctrl/compatibility/{robotware version} Check Robotware Version Compatibility
The request has been successfully processed, but is not returning any content



"Get robotware version compatibility status with controller hardware.

\$04ported only in RC."

The requested page could not be found but may be available again in the future

Parameters

406

Try it out

The server can only generate a response that is not accepted by the client

Name	Description
------	-------------

robotware
version * required {robotware version}

string

(path)

robotware version

Responses

Response content type

application/xhtml+xml;v=2.0



Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html>
<head>
<base href= "https://localhost/ctrl/compatibility/6.03.0101/" />
</head>
<body>
<div class="state">
<a href= "" rel="self"/>
<ul>
<li class="ctrl-compatibility" title="compatibility">
<span class="status">true</span>
</li>
</ul>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

Operation on Virtual Time

Operation on Virtual Time



GET

/ctrl/virtualtime Get Virtual Time Resources



"Get virtual time resources.

Supported only in VC."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/virtualtime/" />
</head>
<body>
<div class="state">
<ul>
<li class="ctrl-vttimeslice-li" title="vttimeslice"><a href="/ctrl/virtualtime/vttimeslice" rel="self"/>
</li>
<li class="ctrl-vttime-li" title="vttime"><a href="/ctrl/virtualtime/vttime" rel="self"/>
</li>
<li class="ctrl-vtspeed-li" title="vtspeed"><a href="" rel="self"/>
</li>
<li class="ctrl-vtstate-li" title="vtstate"><a href="/ctrl/virtualtime/vtstate" rel="self"/>
</li>
</ul>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

OPTIONS

/ctrl/virtualtime/vtspeed Get Forms



"Options to set the speed of virtual time.
Supported only in VC."

Parameters**Try it out**

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code**Description**

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/virtualtime/vtspeed/" />
</head>
<body>
<div class="state">
<form id="vtspeed" method='post' action="">
<input type="number" name="vtcurrsped" value="100" />
</form>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

GET

/ctrl/virtualtime/vtspeed Get Speed of Virtual Time



"Get the speed of virtual time in percent relative to real time.
Supported only in VC."

Parameters**Try it out**

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/virtualtime/vtspeed"/>
</head>
<body>
<div class="state">
<a href="" rel="self"/>
<ul>
<li class="ctrl-vtspeed" title="vtspeed">
<span class="vtcurrentspeed">100</span>
</li>
</ul>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/virtualtime/vtspeed Set Speed of Virtualtime



"Set the speed of virtual time in percent relative to real time. Setting the speed to 100 percent makes virtual time run approximately at the same speed as in real time. Setting the speed to -1 is equal to full speed, i.e. run virtual time as fast as it's possible.

Supported only in VC."

Parameters

Try it out

Name

Description

request-body

Data parameter(s)

object
(body)

Example Value | Model

vtspeed:string

Name	Description
Parameter content type	<code>application/x-www-form-urlencoded;v=2.0</code> ▾
Responses	Response content type <code>application/json</code> ▾
Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
415	The server will not accept the request, because the media type is not supported

OPTIONS	/ctrl/virtualtime/vtstate Get Forms	^
"Options to set the state of the virtual time. Supported only in VC."		
Parameters	Try it out	
No parameters		
Responses	Response content type <code>application/xhtml+xml;v=2.0</code> ▾	
Code	Description	
200	Standard response for successful HTTP requests	
Example Value Model		

Code	Description
	<pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/virtualtime/vtstate/" /> </head> <body> <div class="state"> <form id="vtstate" method='post' action=""> <input type="text" name="vtcurrstate" value="VTSTOP" /> </form> </div> </body> </html></pre>

406

The server can only generate a response that is not accepted by the client

GET

/ctrl/virtualtime/vtstate Get State of Virtual Time

^

"Get state of virtual time.
Supported only in VC."

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/virtualtime/vtstate"/>
</head>
<body>
<div class="state">
<a href="" rel="self"/>
<ul>
<li class="ctrl-vtstate" title="vtstate">
<span class="vtcurrstate">VTFREERUN</span>
</li>
```

Code	Description
	<pre> </div> </body> </html></pre>
406	The server can only generate a response that is not accepted by the client

POST /ctrl/virtualtime/vtstate Set State of Virtualtime ^

"Set the state of the virtual time.
Supported only in VC."

Parameters Try it out

Name	Description
request-body object (<i>body</i>)	Data parameter(s) Example Value Model <code>vtstate=string</code>

Parameter content type application/x-www-form-urlencoded;v=2.0 ▾

Responses Response content type application/json ▾

Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax

Code	Description
415	The server will not accept the request, because the media type is not supported

POST `/ctrl/virtualtime/vtrun` Execute Virtual Time ^

"Execute virtual time depending on the state of the virtual time server.
Supported only in VC."

Parameters **Try it out**

No parameters

Responses Response content type application/json ▼

Code	Description
204	The request has been successfully processed, but is not returning any content
415	The server will not accept the request, because the media type is not supported

GET `/ctrl/virtualtime/vttimeslice` Get VTTimeslice Value ^

"Get the time slice, set for the virtual controller, in milliseconds.
Supported only in VC.
vttimeslice value is in ms."

Parameters **Try it out**

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/virtualtime/vttimeslice/" />
</head>
<body>
<div class="state">
<ul>
<li class="ctrl-vttimeslice" title="vttimeslice">
<span class="vttimeslice">0</span>
</li>
</ul>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/virtualtime/vttimeslice Set VTTimeslice Value



"Set the time slice of virtual controller. The time is given in milliseconds. The minimal selected setting of a time slice is 10 ms. Default setting is 10 ms.

Supported only in VC.

Value should be in ms.

For values < 10 ms. vttimeslice will be set to a default value of 10 ms."

Parameters

[Try it out](#)

Name

Description

request-body

Data parameter(s)

object
(body)

[Example Value](#) | [Model](#)

```
vttimeslice=string
```

Parameter content type

Name	Description
<code>application/x-www-form-urlencoded;v=2.0</code>	
Responses	Response content type
	<code>application/json</code>
Code	Description
204	The request has been successfully processed, but is not returning any content
400	The request cannot be fulfilled due to bad syntax
404	The requested page could not be found but may be available again in the future
415	The server will not accept the request, because the media type is not supported

OPTIONS /ctrl/virtualtime/vttimeslice Get Forms		^
"Options to set time slice of virtual controller. Supported only in VC. vttimeslice value is in ms."		
Parameters		Try it out
No parameters		
Responses		Response content type
		<code>application/xhtml+xml;v=2.0</code>
Code	Description	
200	Standard response for successful HTTP requests	

Code	Description
	<p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost/ctrl/virtualtime/vttimeslice/" /> </head> <body> <div class="state"> <form id="vttimeslice" method='post' action=""> <input type="text" name="vttimeslice" value="0" /> </form> </div> </body> </html></pre>

406

The server can only generate a response that is not accepted by the client

GET

/ctrl/virtualtime/vttime Get Virtualtime



"Retrieves the current value of the virtual time in the range of milliseconds. The virtual time is zeroed at startup of the virtual controller.
Supported only in VC."

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/virtualtime/vttime/" />
</head>
<body>
<div class="state">
```

Code Operations on TPU Detach

GET

"Gets information about the TPU Detach operation.
Supported on all TPU models."

404

The requested page could not be found but may be available again in the future

Try it out

406 parameters

The server can only generate a response that is not accepted by the client

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://10.140.120.2/ctrl/tpu/detach/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-tpudetach" title="tpudetach">
<span class="time-left">0</span>
<span class="tpu-state">Inactive</span>
</li>
</ul>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

OPTIONS

/ctrl/tpu/detach Get Forms

"Get a list of actions that can be invoked on TPU detach.
Supported only in RC."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost/ctrl/tpu/detach/" />
</head>
<body>
<div class="state">
<form id="tpu-detach" method='post' action="">
</form>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

POST

/ctrl/tpu/detach Start TPU Detach Sequence

⌞

"Start TPU detach sequence with in time period.
User should have 'Safety services' UAS grant.
'Hot Swappable FlexPendant' option should be installed in the system
Supported only in RC."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/json**Code****Description**

204

The request has been successfully processed, but is not returning any content

403

The request was a legal request, but the server is refusing to respond to it

415

The server will not accept the request, because the media type is not supported

POST`/ctrl/tpu/detach/cancel` Cancel TPU Detach Sequence

"Cancel TPU detach sequence.

User should have 'Safety services' UAS grant.

'Hot Swappable FlexPendant' option should be installed in the system

Supported only in RC."

Parameters**Try it out**

No parameters

Responses

Response content type

application/json**Code****Description**

204

The request has been successfully processed, but is not returning any content

403

The request was a legal request, but the server is refusing to respond to it

415

The server will not accept the request, because the media type is not

Code	Description
	supported

OPTIONS

/ctrl/tpu/detach/cancel Get Forms



"Get a list of actions that can be invoked to cancel TPU detach.
Supported only in RC."

Parameters**Try it out**

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code	Description
200	Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://10.140.120.1/ctrl/tpu/detach/cancel/" />
</head>
<body>
<div class="state">
<form id="cancel-tpu-detach" method='post' action="/ctrl/tpu/detach/cancel">
</form>
</div>
</body>
</html>
```

Operations

406

GET

/ctrl/syslog The server can only generate a response that is not accepted by the client



"Retrieve the security syslog from the controller.
The returned syslog format is compliant to RFC 3164.
Maximum 2500 messages can be returned in a syslog.
Supported from RW7.1."

Parameters**Try it out**

No parameters

Responses

Response content type

text/plain;v=2.0



Code

Description

200

Standard response for successful HTTP requests

Example Value |

```
<13>Oct 30 11:57:33 RC190625 ABB-UAL:01:Log-out (user logged out)|-|UAS_UID=98  
3052|1210|04259|-|robot| 4259  
<13>Oct 30 11:57:33 RC190625 ABB-UAL:01:Log-in successful|-|UAS_UID=1048588|11  
10|04260|-|robot|sekjsv 4260  
<13>Oct 30 11:57:33 RC190625 ABB-UAL:01:Log-out (user logged out)|-|UAS_UID=10  
48588|1210|04261|-|robot| 4261  
<13>Oct 30 11:58:09 RC190625 ABB-UAL:01:Log-in successful|-|UAS_UID=1114124|11  
10|04262|-|robot|admin 4262  
<13>Oct 30 11:58:09 RC190625 ABB-UAL:01:Log-out (user logged out)|-|UAS_UID=11  
14124|1210|04263|-|robot| 4263  
<13>Oct 30 11:58:19 RC190625 ABB-UAL:01:Log-in failed - Wrong password|-||114  
0|04264|-|robot|admin 4264
```

406

The server can only generate a response that is not accepted by the client

Controller Service

GET

/ctrl Get Controller Resources



"Returns a list of controller resources.
The v=2.1 is supported from RW version 7.4.
The API with v=2.1 will not support ctrl-level tag."

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0



Code	Description
200	Standard response for successful HTTP requests
	<p>Example Value Model</p> <pre><?xml version="1.0" encoding="utf-8"?> <html xmlns="http://www.w3.org/1999/xhtml"> <head> <base href="https://localhost:443/ctrl/" /> </head> <body> <div class="state"> <li class="ctrl-clock-info-li" title="clock"> 2019-07-25 T 11:13:50 <li class="ctrl-identity-info-li" title="identity"> IN-W-7002229 Virtual Controller System Level <li class="ctrl-certstore-li" title="certstore"> <li class="ctrl-backup-info-li" title="backup"> <li class="ctrl-compress-info-li" title="compress"></pre>

406

The server can only generate a response that is not accepted by the client

Create FlexPendant Screen Dump



POST

/ctrl/tpu/screendump Create FlexPendant screen dump image



"Create FlexPendant screen dump image.
Available only for RC and supported from RW 7.3.
File fpscreen.png will be generated at \$TEMP."

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/json



Code	Description
204	The request has been successfully processed, but is not returning any content
401	The request was a legal request, but the server is refusing to respond to it. For use when authentication is possible but has failed or not yet been provided
403	The request was a legal request, but the server is refusing to respond to it
415	The server will not accept the request, because the media type is not supported

OPTIONS /ctrl/tpu/screendump Get Forms ^

"Returns the form to be used for TPU Screen Dump information."

Parameters **Try it out**

No parameters

Responses Response content type application/xhtml+xml;v=2.0 ▼

Code	Description
200	Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="UTF-8"?>
<data>&lt;?xml version="1.0"; encoding="utf-8";?&gt;;
  &lt;html xmlns="http://www.w3.org/1999/xhtml";&gt;;
    &lt;head&gt;;
      &lt;base href="https://localhost/ctrl/tpu/screendump/"; /&gt;;
    &lt;/head&gt;;
    &lt;body&gt;;
      &lt;div class="state";&gt;;
        &lt;form id="tpu-screen-dump"; method='post'; action="tpu/screendump";&gt;;
          &lt;/form&gt;;
      &lt;/div&gt;;
    &lt;/body&gt;;
  &lt;/html&gt;;
</data>
```

Code	Description
<406>	</div> </body> </html> </data>

406

The server can only generate a response that is not accepted by the client

Operations on Controller Registry Resource



GET

/ctrl/registry Get Controller Registry File list



"Returns a list of controller registry files, Supported from RW 7.2 onwards"

Parameters

[Try it out](#)

No parameters

Responses

Response content type

[application/xhtml+xml;v=2.0](#)


Code	Description
------	-------------

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html
xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost:443/ctrl/registry/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-reg-cfgrules-li" title="cfgrules">
<a href="cfgrules" rel="self"/>
</li>
<li class="ctrl-reg-cfgtext-li" title="cfgtext">
<a href="cfgtext" rel="self"/>
</li>
<li class="ctrl-reg-devices-li" title="devices">
<a href="devices" rel="self"/>
</li>
<li class="ctrl-reg-elogtext-li" title="elogtext">
<a href="elogtext" rel="self"/>
</li>
<li class="ctrl-reg-elogrules-li" title="elogrules">
<a href="elogrules" rel="self"/>
</li>

```

Code	Description
	
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/cfgrules Get cfgrules registry information



"Get cfgrules related registry information. Supported from RW 7.2 onwards"

Parameters

[Try it out](#)

No parameters

Responses

Response content type

[application/xhtml+xml;v=2.0](#) ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```

<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <base href="https://localhost:443/ctrl/registry/cfgrules/" />
  </head>
  <body>
    <div class="state">
      <a href="" rel="self"></a>
      <ul>
        <li class="ctrl-reg-file-li" title="cfgrules">
          <span class="cfgrules">
            <![CDATA[
              <?xml version = "1.0" encoding="utf-8" ?>
              <cfgrules_registry xmlns="urn:abb-robotics-registry-cfg-rules">
                <entry domain="EIO" prepath="/products/RobotControl_7.2.0-87.Internal/rules/cfg/" postpath="cir_eio_cfgrules.xml"/>
                <entry domain="MOC" prepath="/products/RobotControl_7.2.0-87.Internal/rules/cfg/" postpath="moc_cfgrules.xml"/>
                <entry domain="EIO" prepath="/products/RobotControl_7.2.0-87.Internal/rules/cfg/" postpath="eio_cfgrules.xml"/>
                <entry domain="SIO" prepath="/products/RobotControl_7.2.0-87.Internal/rules/cfg/" postpath="sio_cfgrules.xml"/>
                <entry domain="SIO" prepath="/products/RobotControl_7.2.0-87.Internal/rules/cfg/" postpath="sio_net_cfgrules.xml"/>
                <entry domain="SIO" prepath="/products/RobotControl_7.2.0-87.Internal/rules/cfg/" postpath="sio_cfgrules.xml"/>
              </cfgrules_registry>
            </![CDATA]>
          </span>
        </li>
      </ul>
    </div>
  </body>
</html>

```

Code	Description
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/cfgtext Get cfgtext registry information



"Get cfgtext related registry information. Supported from RW 7.2 onwards"

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code	Description
200	Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <base href="https://localhost:443/ctrl/registry/cfgtext/" />
  </head>
  <body>
    <div class="state">
      <a href="" rel="self"></a>
      <ul>
        <li class="ctrl-reg-file-li" title="cfgtext">
          <span class="cfgtext">
            <![CDATA[
              <?xml version = "1.0" encoding="utf-8" ?>
              <cfgtext_registry xmlns="urn:abb-robotics-registry-cfg-text">
                <entry domain="EIO" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/..." postpath="/controller/cfg/cir_eio_cfgtext.xml"/>
                <entry domain="EIO" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/..." postpath="/controller/cfg/eio_cfgtext.xml"/>
                <entry domain="SIO" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/..." postpath="/controller/cfg/sio_cfgtext.xml"/>
                <entry domain="SIO" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/..." postpath="/controller/cfg/sio_net_cfgtext.xml"/>
                <entry domain="SIO" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/..." postpath="/controller/cfg/sio_firewall_mgr_cfgtext.xml"/>
                <entry domain="SIO" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/..." postpath="/controller/cfg/sio_syslog_cfgtext.xml"/>
              </cfgtext_registry>
            </![CDATA]>
          </span>
        </li>
      </ul>
    </div>
  </body>
</html>
```

Code	Description
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/devices Get devices registry information



"Get devices related registry information. Supported from RW 7.2 onwards"

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <base href="https://localhost:443/ctrl/registry/devices/" />
  </head>
  <body>
    <div class="state">
      <a href="" rel="self"></a>
      <ul>
        <li class="ctrl-reg-file-li" title="devices">
          <span class="devices">
            <![CDATA[
              <?xml version = "1.0" encoding="utf-8" ?>
              <devices_registry xmlns="urn:abb-robotics-registry-devices">
                <struct prepath="/products/RobotControl_7.2.0-87.Internal/rules/devices/" postpath="sys_devices_struct.xml"/>
                <text prepath="/products/RobotControl_7.2.0-87.Internal/language/install/../" postpath="/controller/devices/sys_devices_text.xml"/>
              </devices_registry>]]>
            </span>
          </li>
        </ul>
      </div>
    </body>
  </html>
```

Code	Description
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/elogtext Get elogtext registry information



"Get elogtext related registry information. Supported from RW 7.2 onwards"

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html
xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost:443/ctrl/registry/elogtext/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-reg-file-li" title="elogtext">
<span class="elogtext">
<![CDATA[
<?xml version = "1.0" encoding="utf-8" ?>
<elogtext_registry xmlns="urn:abb-robotics-registry-elog-text">
<entry domain_no="1" min="2" max="135" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/.." postpath="/controller/elog/opr_elogtext_1.xml"/>
<entry domain_no="1" min="136" max="304" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/.." postpath="/controller/elog/opr_elogtext_2.xml"/>
<entry domain_no="1" min="350" max="2700" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/.." postpath="/controller/elog/opr_elogtext_3.xml"/>
<entry domain_no="2" min="12" max="162" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/.." postpath="/controller/elog/sys_elogtext_1.xml"/>



```

Code	Description
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/elogrules Get elogrules registry information



"Get elogrules related registry information. Supported from RW 7.2 onwards"

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html
xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost:443/ctrl/registry/elogrules/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-reg-file-li" title="elogrules">
<span class="elogrules">
<![CDATA[
<?xml version = "1.0" encoding="utf-8" ?>
<elogrules_registry xmlns="urn:abb-robotics-registry-elog-rules">
<entry prepath="/products/RobotControl_7.2.0-87.Internal/rules/elog/" postpath="arl_elogrules.xml"/>
<entry prepath="/products/RobotControl_7.2.0-87.Internal/rules/elog/" postpath="cap_elogrules.xml"/>
<entry prepath="/products/RobotControl_7.2.0-87.Internal/rules/elog/" postpath="cfg_elogrules.xml"/>
<entry prepath="/products/RobotControl_7.2.0-87.Internal/rules/elog/" postpath="hw_elogrules.xml"/>
<entry prepath="/products/RobotControl_7.2.0-87.Internal/rules/elog/" postpath="io_elogrules.xml"/>
<entry prepath="/products/RobotControl_7.2.0-87.Internal/rules/elog/" postpath="moc_elogrules.xml"/>



```

Code	Description
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/hw-compatibility Get hw-compatibility registry information



"Get hw-compatibility related registry information. Supported from RW 7.2 onwards"

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html
xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost:443/ctrl/registry/hw-compatibility/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-reg-file-li" title="hw-compatibility">
<span class="hw-compatibility">
<![CDATA[
<?xml version = "1.0" encoding="utf-8" ?>
<hw_compatibility_registry xmlns="urn:abb-robotics-registry-hw-compatibility"
>
<hw_compatibility prepath="/products/RobotControl_7.2.0-87.Internal/firmware
/" postpath="hw_compatibility.xml"/>
</hw_compatibility_registry>]]>
</span>
</li>
</ul>
</div>
</body>
</html>
```

Code	Description
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/option Get option registry information



"Get option related registry information. Supported from RW 7.2 onwards"

Parameters

[Try it out](#)

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

[Example Value](#) | [Model](#)

```
<?xml version="1.0" encoding="utf-8"?>
<html
xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost:443/ctrl/registry/option/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-reg-file-li" title="option">
<span class="option">
<![CDATA[
<?xml version = "1.0" encoding="utf-8" ?>
<option_registry xmlns="urn:abb-robotics-registry-option">
<entry option="ROBOTS" path="/products/RobotControl_7.2.0-87.Internal/.../Robots_1.1.0-302.Internal"/>
<entry option="gtpuSDK" path="/products/RobotControl_7.2.0-87.Internal/options/gtpusdk"/>
</option_registry>]]>
</span>
</li>
</ul>
</div>
</body>
</html>
```

Code	Description
406	The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/rapid-metadata Get rapid-metadata registry information



"Get rapid-metadata related registry information. Supported from RW 7.2 onwards"

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html
xmlns="http://www.w3.org/1999/xhtml">
<head>
<base href="https://localhost:443/ctrl/registry/rapid-metadata/" />
</head>
<body>
<div class="state">
<a href="" rel="self"></a>
<ul>
<li class="ctrl-reg-file-li" title="rapid-metadata">
<span class="rapid-metadata">
<?xml version = "1.0" encoding="utf-8" ?>
<rapid_metadata_registry>
</rapid_metadata_registry>
</span>
</li>
</ul>
</div>
</body>
</html>
```

406

The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/rapid-text Get rapid-text registry information



"Get rapid-text related registry information. Supported from RW 7.2 onwards"

Parameters**Try it out**

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾**Code****Description**

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <base href="https://localhost:443/ctrl/registry/rapid-text/" />
  </head>
  <body>
    <div class="state">
      <a href="" rel="self"></a>
      <ul>
        <li class="ctrl-reg-file-li" title="rapid-text">
          <span class="rapid-text">
            <![CDATA[<?xml version = "1.0" encoding="utf-8" ?>
<rapid_text_registry xmlns="urn:abb-robotics-registry-rapid-text">
</rapid_text_registry>]]>
          </span>
        </li>
      </ul>
    </div>
  </body>
</html>
```

406

The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/rw-services Get rw-services registry information



"Get rw-services related registry information. Supported from RW 7.2 onwards"

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾

Code

Description

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <base href="https://localhost:443/ctrl/registry/rw-services/" />
  </head>
  <body>
    <div class="state">
      <a href="" rel="self"></a>
      <ul>
        <li class="ctrl-reg-file-li" title="rw-services">
          <![CDATA[
            <?xml version = "1.0" encoding="utf-8" ?>
            <rw_services_registry>
              <rw_services prepath="/products/RobotControl_7.2.0-87.Internal/system/" postpath="rw_services.xml"/>
            </rw_services_registry>]]>
          </span>
        </li>
      </ul>
    </div>
  </body>
</html>
```

406

The server can only generate a response that is not accepted by the client

GET

/ctrl/registry/uastext Get uastext registry information

^

"Get uastext related registry information. Supported from RW 7.2 onwards"

Parameters

Try it out

No parameters

Responses

Response content type

application/xhtml+xml;v=2.0 ▾**Code****Description**

200

Standard response for successful HTTP requests

Example Value | Model

```
<?xml version="1.0" encoding="utf-8"?>
<html
  xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <base href="https://localhost:443/ctrl/registry/uastext/" />
  </head>
  <body>
    <div class="state">
      <a href="" rel="self"></a>
      <ul>
        <li class="ctrl-reg-file-li" title="uastext">
          <span class="uastext">
            <![CDATA[
<?xml version = "1.0" encoding="utf-8" ?>
<uastext_registry xmlns="urn:abb-robotics-registry-uas-text">
<entry domain="Builtin" prepath="/products/RobotControl_7.2.0-87.Internal/language/install/.." postpath="/controller/uas/uastext.xml"/>
</uastext_registry>]]>
          </span>
        </li>
      </ul>
    </div>
  </body>
</html>
```

406

The server can only generate a response that is not accepted by the client