



## Rest\_Client

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## Rest\_Client

The Rest\_Client element provides a flexible interface in order to interact with REST endpoints. The communication between the REST client and server is made completely secure using two-way Secure Sockets Layer (SSL). The Rest\_Client element permits users to send GET, POST, PUT, or DELETE requests to application servers.

For more information about Secure Socket Layer Authentication, see the *User Guide for Cisco Unified CVP VXML Server and Cisco Unified Call Studio* at <http://www.cisco.com/c/en/us/support/customer-collaboration/unified-customer-voice-portal/products-user-guide-list.html>.

## Settings

Name (Label)	Type	Req'd	Single Setting Value	Substitution Allowed	Default	Notes
Endpoint URL	Boolean	Yes	true	false	Blank	This settings specifies whether SNMP alert to be generated.
HTTP method		Yes			GET	Supported HTTP methods: GET (Read); PUT (Update/Replace); POST (Create) DELETE (Delete)

Name (Label)	Type	Req'd	Single Setting Value	Substitution Allowed	Default	Notes
Parameters		No			<i>Blank</i>	Any additional parameters will be passed along with URL. (such as specifying the response format or the amount returned).  Header parameters  Path parameters  Query string parameters  Request body parameters. Example: 'Authentication type': 'Preemptive'
Ignore Certificate Validation		Yes			true	The SSL security setting gets enabled when flag is set to false.
Require HTTP authentication		Yes			false	The http authentication (options true/false)
User Name		Yes			Blank	Username of REST end point to be accessed (available if Require HTTP auth is true).
Password		Yes			Blank	Password of REST end point to be accessed (available if Require HTTP auth is true).

<b>Name (Label)</b>	<b>Type</b>	<b>Req'd</b>	<b>Single Setting Value</b>	<b>Substitution Allowed</b>	<b>Default</b>	<b>Notes</b>
Headers		No			<i>Blank</i>	

Name (Label)	Type	Req'd	Single Setting Value	Substitution Allowed	Default	Notes
						<p>The meta-data associated with the API request and response.</p> <p>Options:</p> <p><b>Authorization:</b> Carries credentials containing the authentication information of the client for the resource being requested.</p> <p><b>WWW-Authenticate:</b> This is sent by the server if it needs a form of authentication before it can respond with the actual resource being requested. Often sent along with a response code of 401, which means 'unauthorized'.</p> <p><b>Accept-Charset:</b> This is a header which is set with the request and tells the server about which character sets are acceptable by the client.</p> <p><b>Content-Type:</b> Indicates the media type of the response. Values: text/html - - Indicates that the request body format is HTML application/json - Indicates that the request body format</p>

Name (Label)	Type	Req'd	Single Setting Value	Substitution Allowed	Default	Notes
						<p>is JSON.</p> <p>application/xml - Indicates that the request body format is XML.</p> <p>application/javascript - Indicates that the request body is URL encoded.</p> <p><b>Cache-Control:</b> This is the cache policy defined by the server for this response, a cached response can be stored by the client and re-used till the time defined by the Cache-Control header.</p>
Body		No			Blank	
Use Proxy		Yes			false	Enable/Disable the proxy server (true/false)
Use Host		Yes			false	IP address or hostname of the HTTP proxy server
Use Port		Yes			false	Port of the HTTP proxy server

Name (Label)	Type	Req'd	Single Setting Value	Substitution Allowed	Default	Notes
XPath / JSONPath		No			<i>Blank</i>	XPath expressions are used in JavaScript to return the values from the XML.  JSONPath expressions are used in JavaScript to return the values from the JSON(JavaScript Object Notation).  For more information about Xpath/JSONPath Expression, see the User Guide for Cisco <i>Unified CVP VXML Server and Cisco Unified Call Studio</i>
Connect Timeout		Yes			3000 msec	HTTP request timeout
Read Timeout					5000 msec	

## Element Data

Name	Type	Notes
response_body	string	This element data carries the REST response that is received from the REST end point.
status_code	string	This element data carries the REST response code received for the REST operation performed.

## Exit States

Name	Notes
done	The element is successfully run.

## Events

Name (Label)	Notes
Event Type	Java Exception event handler type can be selected.

