

SOAP

Tagged Values

<<SOAPAlias>>

Tagged Value	Description	Allowed Values / Examples	
Soap Version (soapVersion)	Specify the SOAP version used with this SOAP call.	1.1	Use SOAP version 1.1 (default).
		1.2	Use SOAP version 1.2.
Protocol (protocol)	Specify the transport protocol.		
Method (method)	Specify the HTTP method.	One of: get, post (default), read, write, put, list, patch	
Port (port)	Specify the machine port number the service is binding to.	a valid port number (default: 80)	
Path (path)	Specify the HTTP path for the SOAP request.		
Host (host)	Specify an optional host name.	a valid hostname (default: localhost)	
Advanced			
Timezone (timezone)	Time zone string as specified in the time zone appendix . timezone is used to print DateTime expressions.	Examples: "Australia /Melbourne", "CET", "Etc /GMT+10". If "local" is used, the date/time is printed relative to the local timezone of the Bridge, for example: 2012-10-01T12:36:47.0 +02:00 (the timezone of the Bridge is UTC+02:00)	
Date Format String (dateFormatString)	Date formatting code as listed in Date and Time Formatting . If nothing is defined, the XSD standard is used.	Example: %F	
Request Http Header Roles (requestHttpHeaderRoles)	Builder 7.12.0 Runtime 2020.12 In the context of HTTP based adapters (URL , REST , SOAP), enable automatic header generation for the listed headers. These definitions overwrite the default behavior, and X-Transaction-Id , X-Request-Id , X-Sender-Host and/or X-Sender-Service will be substituted by this definition. requestHttpHeaderRoles can hold a list of definitions in format <http header name>:<role>, that will automatically be generated for each adapter call on this alias. <role> can be one of the listed allowed values (one list entry per line). Refer to HTTP Header Support > Overwriting the Standard HTTP Headers for more details on header roles.	client_host	Provide the client host in a header <http header name> instead of X-Sender-Host .
		client_service	Provide the client service in a header <http header name> instead of X-Sender-Service .
		correlation_id	Provide the correlation ID in a header <http header name> instead of X-Request-Id .
		transaction_id	Provide the transaction ID in a header <http header name> instead of X-Transaction-Id .
		passthrough	Pass a present header <http header name> to the called service.

On this Page:

- [Tagged Values](#)
 - [<<SOAPAlias>>](#)
 - [<<SOAPAdapter>>](#)
- [Parameters](#)
- [Parameter Types](#)
 - [SOAPHeaderElement](#)
 - [URLMessage](#)
 - [HTTPTransport](#)
 - [URLMessage and HTTPTransport Types](#)

Related Pages:

- [Accessing the SOAP Headers](#)
- [SOAP Call and HTTP Headers](#)
- [Providing the SOAP Adapter with URL Parameter](#)
- [HTTP Protocol Support > HTTP Header Roles](#)

		passthrough=<request header name>	Pass an incoming header <request header name> to the called service under the name of <http header name>. This is equivalent to renaming a header.
Digest Algorithm (digestAlgorithm)	Builder 7.12.0 Runtime 2021.1 Generates a HTTP digest header using the specified algorithm. When applied, a digest header is generated using the specified algorithm, and sent with the request . The generated header conforms with RFC3230 and RFC5843.  Only one value is supported (no multi-value header).	None	No header generated.
		MD5	Generate header using MD5 algorithm.
		SHA	Generate header using SHA algorithm.
		SHA-1	Generate header using SHA-1 algorithm.
		SHA-256	Generate header using SHA-256 algorithm.
		SHA-512	Generate header using SHA-512 algorithm.
Follow Redirects (followRedirects)	Maximum number of redirects to follow.	any integer	
Options (options)	Specify native cURL options as listed in Setting cURL Options on the URL Adapter . Also refer to this page for more details on how to set these options.	Example: CURLOPT_TIMEOUT=20	
Ignore Http Errors (ignoreHttpErrors)	Not implemented for SOAP.		
Authentication			
User (user)	Username/password.		
Proxy			
Proxy Type (proxyType)	Type of the proxy	one of: HTTP, SOCKS5	
Proxy User (proxyUser)	Proxy user.		
Proxy URL (proxyURL)	URL of the proxy server.		
SOAP			
Send Transaction ID (sendTransactionID)	Defines whether the transaction ID is sent in a SOAP header element <TransactionID>...</TransactionID> with namespace http://e2e.ch/bridge . If sent, the calling and the called service can be identified to belong to the same transaction.	false	Do not send transaction ID in the SOAP header element.
		true	Send transaction ID in the SOAP Header element (default).
Message Format (messageFormat)	Defines the formatting of the SOAP message. The correlation ID is used to identify each SOAP call.	None	Format messages without using linebreaks and indentation.
		Linebreaks	Format messages using linebreaks, but no indentation (default).
		Indentation	Format messages using linebreaks and indentation.
SendCorrelationID (sendCorrelationID)	Defines whether the correlation ID is sent in a SOAP header element <CorrelationID>...</CorrelationID> with namespace http://e2e.ch/bridge . The correlation ID is used to identify each SOAP call.	false	Do not send the correlation ID in the SOAP header element.

		true	Send the correlation ID in the SOAP header element (default).
SSL			
Ssl Private Key Type (sslPrivateKeyType)	Type of the private key.	one of: PEM (default), DER, ENG	
Ssl Verify Host (sslVerifyHost)	Whether to verify the host information from the SSL connection.	On	Verification on (default).
		Off	Verification off.
		Existence	Limit verification to the mere existence of the host.
Ssl Verify Peer (sslVerifyPeer)	Whether to verify the peer information from the SSL connection.	On	Verification on (default).
		Off	Verification off.
Ssl Private Key File (sslPrivateKeyFile)	Name of the file that contains the private key.		
Ssl Private Key Password (sslPrivateKeyPassword)	Password for the private key.		
Ssl Certificate File (sslCertificateFile)	Name of the file that contains the client certificate.		
Ssl CA Info (sslCAInfo)	Name of the file containing additional certificates for the connection verification (e.g. additional root CAs).		
Ssl Certificate Type (sslCertificateType)	Type of the certificate.	one of: PEM (default), DER, P12	

<<SOAPAdapter>>

Since Runtime 2022.6 the Runtime uses **Transfer-encoding: chunked** for POST requests.

Attribute	Description	Allowed Values	
alias	Specify the SOAP alias the adapter should connect to.	a valid SOAP alias	
digestAlgorithm	Builder 7.12.0 Runtime 2021.1 Generates a HTTP digest header using the specified algorithm. When applied, a digest header is generated using the specified algorithm, and sent with the request. The generated header conforms with RFC3230 and RFC5843.	None	No header generated.
		MD5	Generate header using MD5 algorithm.
		SHA	Generate header using SHA algorithm.
		SHA-1	Generate header using SHA-1 algorithm.
		SHA-256	Generate header using SHA-256 algorithm.
		 Only one value is supported (no multi-value header).	

		SHA-512	Generate header using SHA-512 algorithm.
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Parameters

Name	Type	Direction	Description	Documentation
<any>	Array of SOAPHeaderElement	in	Use this parameter to provide the SOAP headers in an array of type SOAPHeaderElement . The xUML Runtime will then set the SOAP headers accordingly to the header block of the SOAP message.	Accessing the SOAP Headers
urlParameter	URLMessage	in	Use this parameter to supply the URL that will be accessed by the adapter and some additional URL parameters, e.g cURL options. urlParameter contains an array of HTTP header fields. Do not confuse these headers with the SOAP headers (see above). The SOAP headers go to the SOAP message to the body of the HTTP call, the headers from urlParameter go to the HTTP headers.	Providing the SOAP Adapter with URL Parameter
<any>	HTTPTransport	out	Use this parameter to supply the content to be used by the listed methods.	SOAP Call and HTTP Headers

Parameter Types

SOAPHeaderElement

Class	Attribute	Type	SOAP Attribute	Description	Example XML Fragment
SOAPHeaderElement	encoding	String	encodingStyle	Specifies the encoding style used to construct the message.	env:encodingStyle="http://www.w3.org/2003/05/soap-encoding"
	header	Blob	-	The header holds the actual header data of base type Blob. The blob must contain XML structured content. So, use either the classToXML() Operation (for objects of complex types) or the classToXMLFragment() Operation (for objects of base types) to provide the necessary structure.	
	mustUnderstand	Boolean	mustUnderstand	This attribute says whether or not the recipient (indicated by the role attribute) is required to process a header entry.	env:mustUnderstand="true"
	name	String	-	Holds the name of a header block.	
	namespace	String	-	Defines the namespace to be assigned to the header element serialized with use="encoded".	
	relay	Boolean	relay	If relay is set to true, it indicates that the SOAP header block must not be processed by any node that is targeted by the header block, but must only be passed on to the next targeted node.	env:relay="true"

	role	String	role	The role is optional and defines the recipient of the header message.	env:role="http://example.com/Login"
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URLMessage

Name	Type	Direction	Restrictions		Description
			to listed protocol only	to listed method only	
url	string	in			This parameter contains the URL that will be accessed by the adapter. The URL contains protocol, port and path.
content	Blob	in		post, put, write	Use this parameter to supply the content to be used by the listed methods.
headerParameters	Array of HeaderField	in	http, https		Use this parameter to supply additional header information for the URL adapter call in the form of name and value pairs.
method	String	in			This parameter provides the method of the URL adapter call.
authentication	Authentication	in	ldap, ftp, ftps, sftp, http, https		This parameter provides an object of type Authentication containing the user and the password.
proxy	Proxy	in	ldap, ftp, ftps, sftp, http, https		Use this parameter to supply necessary proxy information.
followRedirects	Integer	in	http, https		Specify here the maximum number of redirects to follow.
ssl	SSL	in	https, ftps		Use this parameter to supply SSL information.
commands	Array of String	in	ftp, ftps		Use this parameter to specify ftp commands. All commands are executed after executing the ftp method. For a list of available ftp commands see RFC 959 .
options	Array of Option	in	ldap, ftp, ftps, sftp, http, https		Use this parameter to specify cURL options for the URL adapter call.

HTTPTransport

Class	Attribute	Type	Description
HTTPTransport	headers	Array of HeaderField	DeprecatedThis attribute is deprecated as of Runtime 2020.11. Please use httpHeaderMap (see below) for new implementations as its implementation complies to the HTTP specification. Header information as array of name/value pairs.
	statusCode	Integer	HTTP status code of the SOAP request.
	httpHeaderMap	Map of Entry	Runtime 2020.11 Header information as a map. The map contains arrays of header value strings whereas the header name is the key of the map. - Header names are lowercase and treated case insensitive. - Multiple headers with the same name are treated as arrays. Refer to HTTP Header Support for more information on the standard xUML HTTP headers.

URLMessage and HTTPTransport Types

Class	Attribute	Type	CURL Option	Description	Values/Example
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Authent ication	password	String		Password needed for authentication.		
	username	String		Username needed for authentication.		
Entry	key	String		Key of the map entry.		
	value	Array of Any		List of values of the map entry. The dynamic type for HTTPHeaderMap is String .		
Header Field	name	String		Name of the header field.		
	value	String		Value of the header field.		
Option	name	String		Native cURL option.	CURLOPT_CONNECTTIMEOUT	
	value	String		Value of the cURL option.	10	
Proxy	authentication	Authentication	CURLOPT_PROXYUSERPWD	Proxy user.		
	type	String	CURLOPT_PROXYTYPE	Type of the proxy.	HTTP, SOCKS5	
	url	String	CURLOPT_PROXYURL	URL of the proxy server.		
SSL	caInfo	String	CURLOPT_CAINFO	Name of the file containing additional certificates for the connection verification (e.g. additional root CAs).		
	certificate	Certificate		Client certificate		
	key	Key		Private key of client certificate		
	verifyHost	String	CURLOPT_SSL_VERIFYHOST	Whether to verify the host information from the SSL connection.	On	Verification on (default).
					Off	Verification off.
					Existsence	Limit verification to the mere existence of the host.
	verifyPeer	String	CURLOPT_SSL_VERIFYPEER	Whether to verify the peer information from the SSL connection.	On	Verification on (default).
					Off	Verification off.
Key	file	String	CURLOPT_SSLKEY	Name of the file containing the private key.		
	password	String	CURLOPT_KEYPASSWD	Password for the private key.		
	type	String	CURLOPT_SSLKEYTYPE	Type of the key.	PEM, DER, ENG	
Certificate	file	String	CURLOPT_SSLCERT	Name of the file containing the client certificate.		
	type	String	CURLOPT_SSLCERTTYPE	Type of the certificate.	PEM, DER, P12	