

HTTP Service Reference

Tagged Values

<<E2EHTTPService>>

Name Dialog / Tag	Description	Allowed Values / Examples	
Port (port)	Specifies the machine port number the service is binding to. This port number can be given at the service level only.	any number Using ports below 1024 may require additional privileges.	
Trace Port (tracePort)	In order to test the HTTP service using the Trace Analyzer, the model compiler generates a SOAP interface for each HTTP service interface. The SOAP service will be listening on this trace port.	any positive integer	
Max Request Body Size (maxRequestBodySize)	Runtime 2021.2 Specifies the maximum size of the request in KB (1 KB = 1024 Bytes). This can be used to prevent DoS or similar attacks. When the payload of the service exceeds the given maximum, incoming request are rejected. If you have multiple HTTP services in one composite, you can only apply the same value to all. If you specify different values on each of them, the Runtime will pick one and apply them to all.	ser vice port +40 000	default
		0	Accept unlimited requests (default of services compiled with Builder versions < 7.12.0).
		2048	Builder 7.12.0 2MB, default if not specified
Max Request Header Size (maxRequestHeaderSize)	Runtime 2022.6 Specifies the maximum size of the request header in KB (1 KB = 1024 Bytes). This can be used to prevent DoS or similar attacks. When the header payload of the service exceeds the given maximum, incoming request are rejected.  Compatibility Hint For older Runtimes, a limit of 8 KB applies. If you have multiple HTTP services in one composite, you can only apply the same value to all. If you specify different values on each of them, the Runtime will pick one and apply them to all.	any positive integer	
Authentication Mode (authenticationMode)	Defines the authentication mode to be used with this SOAP service. - If HTTPBasicAuth is used, you define that the service composite authenticates the user. User name and password must then be given in the tagged value user. For more details see Basic Authentication with the E2E Bridge. - If HTTPRemoteAuth is used, a reverse proxy needs to authenticate the user and pass it to the service. The service then expects a set REMOTE-USER HTTP header. Typically the Apache reverse proxy is used for that. Independent of the authentication mode, the user is found in the principal object if the authentication succeeded.	none	no authentication
		HT TP Bas icA uth	HTTP basic authentication
		HT TP Re mot eAu th	HTTP remote authentication
User (user)	Specifies user and password for the use of HTTP Basic authentication.	user/password	

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- [Plain HTTP Service](#)
- [RESTful HTTP Service](#)

HTTP Port Type Operation Parameters

Name	Type	Direction	Description
method	String	in	Specifies the HTTP method.
uri	String	in	Specifies the complete URI.

inputContent	Blob	in	Specifies the HTTP content send by POST or PUT.
getParameter	Array of Parameter	in	Specifies all GET parameters encoded in the URL as an array of Parameter classes containing name/value pairs.
postParameters	Array of Parameter	in	Specifies all form parameters posted by the client.
inputHeaderParameters	Array of HeaderField	in	DeprecatedThis attribute is deprecated as of Runtime 2020.11. Please use inputHttpHeaderMap (see below) for new implementations as its implementation complies to the HTTP specification. Specifies all header fields as an array of HeaderField classes containing name/value pairs.
pathParameters	Map	in	For RESTful service calls: Specifies all parameters derived from the path as a Map of name/value pairs.
inputHttpHeaderMap	Map of Entry	in	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.
outputContent	Blob	out	Contains the content sent back.
outputHeaderParameters	Array of HeaderField	out	Use this parameter to set the HTTP output header if necessary.
httpStatusDescription	String	out	Contains the resulting HTTP status description. If not set explicitly using this object, the service returns OK if no exception occurred or Internal Error otherwise.
httpStatusCode	Integer	out	Contains the resulting HTTP status code. If not set explicitly using this object, the service returns 200 if no exception occurred or 500 otherwise.

Parameter Types

REST Type	Attribute	Type	Description	Values/Example
Entry	key	String	Key of the map entry.	
	value	Array of Any	List of values of the map entry.	
HeaderField	name	String	Name of the header field.	
	value	String	Value of the header field.	
Parameter	name	String	Name of the parameter.	
	value	String	Value of the Parameter.	