# HTTPClient\_Services

Application service module that provides OpenInsight HTTP communication features.

## Syntax

Response = HTTPClient\_Services(@Service, @Params)

## Returns

The meaning of the response value depends on the service.

### **Parameters**

Parameter	Description	
@Service	©Service The name of the service being requested. Required.	
@Params	Generic parameters. Refer to a specific service to determine the actual parameters used.	

## Remarks

HTTPClient\_Services provides very useful application services so OpenInsight applications can make HTTP requests to other web servers. The response to each request is kept in memory until the next request is made, thus allowing the developer to get various HTTP response results when it is convenient (such as the body, status code, or response header values).

## Services

Service	Description
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#### SendHTT PRequest

#### Usage:

HTTPClient\_Services('SendHTTPRequest', Method, URL, HeaderList, Body, ProxyUser, ProxyPassword, UseAsynchronous, ClientToUse, ClientCertPath, ResponseIsBinary)

#### Comments

Calls the indicated HTTP web service routine. This is the primary service of this module. All other services either support this SendHTTPRequest or are dependent upon SendHTTPRequest completing a request. The arguments are defined as follows:

Argument	Description	Importance
Method	The HTTP method to submit to the server.	Required
URL	The URL receiving the HTTP request.	Required
HeaderList	An @FM/@VM list of request header names and values.	Optional
Body	The request body to be sent to the server.	Optional
ProxyUser	Username needed to authenticate against a proxy server	Optional
ProxyPassw ord	Password needed to authenticate against a proxy server.	Optional
UseAsynchr onous	Flag to determine if the HTTP request should be processed asynchronously. Default is True.	Optional
ClientToUse	HTTP client to use for the request. Options are ClientXMLHTTP, ServerXMLHTTP, or PowerShell. If True\$ is passed in then ClientXMLHTTP will be used. If False\$ is passed in then ServerXMLHTTP will be used. If any other value is passed in (including an empty string) then ServerXMLHTTP will be used. This will allow for backwards compatibility.	Optional
ClientCertPa th	Path to a client-side certificate. This is usually in Location\Certificate Store\Subject format.	Optional
Responsels Binary	Boolean flag to indicate if the response is expected to be binary. Default is False\$.	Optional

#### Returns:

The HTTP response body from the server. The HTTP response body can also be retreived via the GetResponseBody service.

#### SetRequ estHeade rFields

#### Usage

HTTPClient\_Services('SetRequestHeaderFields', HeaderList)

#### Comments:

Sets the Request Header Fields as indicated by the HeaderList argument. The HeaderList should not be formatted as a list rather than an associated multivalue array. This is easier for the developer to manage in the code that calls this service.

#### Returns:

N/A

#### SetRequ estHeade rField

## Usage:

HTTPClient\_Services('SetRequestHeaderField', Name, Value)

#### Comments

Sets the indicated Request Header Field with the indicated value.

#### Returns:

N/A

#### GetRequ estHeade rFields

## Usage:

HTTPClient\_Services('GetRequestHeaderFields')

#### Comments:

Returns all of the Request Header Field names and values. This returns an @FM/@VM list of names and values. This is called from the SendHTTPRequest service automatically. The developer does not need to use this service.

#### Returns:

An @FM/@VM list of request header names and values.

#### GetRequ estHeade rField

## Usage:

HTTPClient\_Services('GetRequestHeaderField', Name)

#### Comments

Returns the value previously set for the indicated Request Header Field.

#### Returns

The value previously set for the indicated Request Header Field.

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Returns: N/A		

GetResp onseStat usPhrase	<pre>Usage: HTTPClient_Services('GetResponseStatusPhrase') Comments:</pre>
	Gets the response status phrase generated by the most recent HTTP request.
	Returns: The response status phrase generated by the most recent HTTP request.
SetResp onseBody	<pre>Usage: HTTPClient_Services('SetResponseBody', Body)</pre>
	Comments: Sets the response body generated by the most recent HTTP request. This is called from the SendHTTPRequest service automatically after retrieving the response body from the server.
	Returns: N/A
GetResp onseBody	<pre>Usage: HTTPClient_Services('GetResponseBody')</pre>
	Comments:  Gets the response body generated by the most recent HTTP request. This is the same response that the SendHTTPRequest service returns.
	Returns: The response body generated by the most recent HTTP request.
SetTimeo utDuration	<pre>Usage: HTTPClient_Services('SetTimeoutDuration', TimeoutDuration)</pre>
	<b>Comments:</b> Sets the timeout duration that will be used before an HTTP request will abort. This is only applicable if the request is asynchronous. If the timeout duration is empty, a default setting of 30 minutes (1800 seconds) will be set.
	Returns: N/A
GetTime outDurati on	<pre>Usage: HTTPClient_Services('GetTimeoutDuration')</pre>
Oil	Comments:  Returns the timeout duration that will be used before an HTTP request will abort. This is only applicable if the request is asynchronous. If the timeout duration is empty, a default setting of 30 minutes (1800) seconds) will be returned.
	Returns: The timeout duration that will be used before an HTTP request will abort.
ClearRes ponseSet	<pre>Usage: HTTPClient_Services('ClearResponseSettings')</pre>
tings	Comments: Clears all of the global common variables used for responses. This is called from the SendHTTPRequest service automatically. The developer does not need to use this service.
	Returns: N/A
ClearReq uestSetti ngs	<pre>Usage: HTTPClient_Services('ClearRequestSettings')</pre>
	Comments: Clears all of the global common variables used for requests. This is called from the SendHTTPRequest service automatically. The developer does not need to use this service.
	Returns: N/A

## Params

The proper use of the generic arguments are defined in the definition of each service above.