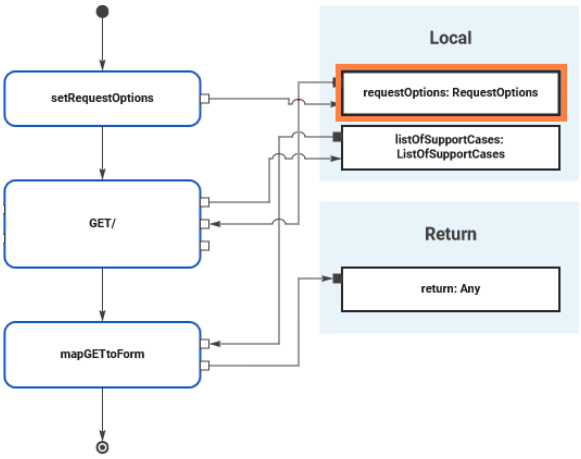
Setting REST Request Options

With the REST adapter, you can specify REST options on the REST alias (see Aliases). These options can be overridden dynamically on each REST call by providing an object of type **RequestOptions** to the REST adapter call like the following:

1. Create an object of type **RequestOptions**.
2. Set the attributes of this object according to your needs (e.g. in a mapping diagram).
3. Provide the object to the REST call.

> A pin **requestOptions** is available as soon as you have applied the **RESTAdapter** stereotype.

Find below an example execution based on the **RESTAdapter_SupportManager_Example**.



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Overview of the Request Options

You can set the following options:

Attribute	Type	Description	Allowed Values / Examples
additionalHeaders	Array of HeaderField	All REST request header fields as an array of HeaderField classes containing name/value pairs.	
options	Array of Option	Specify native cURL options as listed in Setting cURL Options on the URL Adapter. Use one of the following syntax rules: • values separated by `','` in one line • values separated by `' '` in one line • list of tagged values	
ssl	SSL	Use this parameter to supply SSL information.	
proxy	Proxy	Use this parameter to supply necessary proxy information.	
additionalQueryParameters	Array of Parameter	Use this parameter to provide additional query parameters to the REST service call.	
followRedirects	Integer	Specify here the maximum number of redirects to follow.	any integer
basicAuth	Authentication	This parameter provides an object of type **Authentication** containing the user and the password.	
basePath	String	Overwrite here the base path of the REST service.	a valid path, e.g. **/support**
host	String	Overwrite here the host running the REST service that has been defined in the component diagram.	a valid host, e.g. **scheer-acme.com**
port	Integer	Overwrite here the port through which the REST service is accessible.	a valid port number, e.g. **12345**
protocol	String	Overwrite here the protocol through which the REST service is accessible.	**http** Use the HTTP protocol to access the service (default).

			https	Use the HTTPS protocol to access the service.
ignoreHttpErrors	Boolean	If true, Default value is true.	**true**	HTTP error codes >= 400 will not cause an exception in the service (default). This implies, that the response body is accessible even if HTTP errors occur.
			false	HTTP error codes >= 400 will cause an exception in the service.
jsonComposerOptions	ComposerOptions	Use this parameter to specify JSON composer options on the REST call. You can use these options to e.g. overwrite **jsonKeepNulls** from the REST alias.	Valid composer options as described below.	

Request Types

REST Type	Attribute	Type	Description	Allowed Values / Examples	
Authentication	username	String	Specify a username.		
	password	String	Specify a password.		
Certificate	file	String	Provide name of a certificate file.		
	type	String	Specify the type of the certificate file.	One of PEM or DER.	
Composer Options	jsonKeepNulls	Boolean	Specify the handling of NULL values.	true	Keep NULL values during JSON composing.
				false	Do not serialize NULL values during JSON composing.
	jsonCompact	Boolean	Specify the generated JSON format.	**true**	Serialize to JSON without pretty-printing.
				false	Produce a pretty JSON.
	jsonWriteTypeDiscriminator	Boolean	Specify whether to write type information to the generated JSON.	**true**	Write a type discriminator to the generated JSON.
				false	Do not write a type discriminator to the generated JSON.
Entry	key	String	Specify the key of a map entry.		
	value	Array of Any	Provide a list of values of the map entry. The dynamic type for **httpHeaderMap** is **String**.		
HeaderField	name	String	Specify the name of the header field.		
	value	String	Provide a header value.		
Key	file	String	Specify the name of the file that contains the private key.		
	type	String	Specify the type of the private key.		
	password	String	Specify the password for the private key.		
Option	name	String	Specify the name of the cURL option.		
	value	String	Provide a value.		
Parameter	name	String	Specify the name of the parameter.		
	value	String	Provide a value.		
Proxy	url	String	Specify a URL to the proxy server.	A valid URL.	
	type	String	Specify a proxy type	HTTP	The proxy is a HTTP proxy.
				SOCKS5	The proxy is a SOCKS5 proxy.
	authentication	Authentication	See above.		
SSL	verifyPeer	String	Specify whether to verify the peer information from the SSL connection.	**true**	Verify the peer information (default).
				false	Do not verify the peer information.
	verifyHost	String	Specify whether to verify the host information from the SSL connection.	**On**	Verify the host information (default).
				Off	Do not verify the host information.
				Existence	Only check for existence of the host.
	caInfo	String	Specify the name of the file that contains additional certificates for the connection verification.		
	certificate	Certificate	Specify the certificate information (see above).		
	key	Key	Specify the private key information (see above).		