

**API Reference**

# BTC Embedded Platform - RESTful API documentation

**API Version: 23.3p0**

This is the documentation for the BTC Embedded Platform RESTful API.

## **CONTACT**

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# API

## 1. APPLICATION

Handle the EP application itself.

### 1.1 DELETE /ep/application

#### Exit EP and save the active profile

After calling the exit method, the current active profile will be saved, if there is one. If the profile has no save path, one is created at a temporary directory and a response containing the path is returned.

#### REQUEST

##### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
force-quit	boolean	If set to 'true', the application will force quit without saving the active profile.  If set to 'false', the profile is saved at the given location, or at a temporary location if provided none.  Default is 'false'

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - text/plain

string

STATUS CODE - 201: Created

RESPONSE MODEL - text/plain

string

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string



## 2. ARCHITECTURES

Import and retrieve architectures.

### 2.1 POST /ep/architectures/ccode

#### Import a C-Code architecture

**Long running task** Import a C-Code architecture. Settings are provided as an import info object.

#### REQUEST

REQUEST BODY - application/json

```
{
  modelFile*   string  File name of the C-Code XML file
  mappingFile  string  File name of the mapping XML file. The file must be provided if architectures are already available in the
                        profile. The file is used to map the first imported architecture to the new imported C-Code architecture.
}
```

#### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
                        The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

RESPONSE MODEL - text/plain

string

### 2.2 POST /ep/architectures/embedded-coder-wrapper-creation

#### Create an EmbeddedCoder™ wrapper model

**Long running task** Creating an EmbeddedCoder™ wrapper model. Settings are provided as an import wrapper info object.

#### REQUEST

REQUEST BODY - application/json

```
{
  ecModelFile* string  The absolute or relative path to the Embedded Coder model.
  ecInitScript string  The absolute or relative path to the init script of the Embedded Coder model.
}
```

```
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 2.3 POST /ep/architectures/embedded-coder

### Import an EmbeddedCoder™ architecture

**Long running task** Import an EmbeddedCoder™ architecture. Settings are provided as an import info object.

## REQUEST

**REQUEST BODY - application/json**

```
{
  ecModelFile*      string  The absolute or relative path to the EmbeddedCoder model.<br>This file is mandatory
                        and may not be undefined.
  ecInitScript       string  The absolute or relative path to the init script of the EmbeddedCoder model.<br>This
                        attribute may be undefined.<br>If the specified file path is invalid, an error is reported.
  useExistingCode    boolean Specifies if code generation needs to be done.<br>'true': Code generation is not
                        explicitly performed.<br>Instead it is assumed that the required code files are already
                        generated before import.<br>'false': Code generation is explicitly performed during the
                        analysis.<br>The resulting code is used for further steps.<br>Default is 'false'.
  parameterHandling  enum    ALLOWED:OFF, EXPLICIT_PARAMETER
                        Specifies how parameter variables are handled. Can be 'OFF' or
                        'EXPLICIT_PARAMETER'.<br>'OFF': Only regular inputs in the interface of subsystems
                        are observed.<br>'EXPLICIT_PARAMETER': Parameter variables are regarded as
                        additional<br>inputs to subsystems.<br>Default is 'EXPLICIT_PARAMETER'.<br>If not
                        specified (undefined or invalid), the default value is used.
  testMode           enum    ALLOWED:BLACK_BOX, GREY_BOX
                        Specifies the test mode. Can be 'BLACK_BOX' or 'GREY_BOX'.<br>If set to 'GreyBox',
                        local variables are regarded as additional outputs of subsystems.<br>For BlackBox-
                        Testing only the regular outputs in the interfaces of subsystems are
                        observed.<br>Default is 'GreyBox'.<br>If not specified (undefined or invalid), the default
                        value is used.
  fixedStepSolver    boolean Handling when a non-fixed-step solver is encountered: If 'true', the solver is automatically
                        set to fixed-step.<br>Otherwise an error is issued.Default is 'false'.
  inDepthCcodeAnalysis boolean true: Simulink model and C-Code model are imported.<br>false: indicates that a SL SIL
                        simulation is supported.<br>C-Code and mapping are omitted.<br>Default is 'true'
  subsystemMatcher   string  A whitelist of all subsystems you would like to import.<br>Uses the regular expression
```

		standard. Each subsystem is identified by its virtual path inside the model. If no value is defined, all subsystems are imported. If the specified regular expression does not produce any match, an error is reported.
parameterMatcher	string	A whitelist of all parameters you would like to import. Uses the regular expression standard. Each parameter is identified by its name. If no value is defined, all calibrations are imported. If the specified regular expression does not produce any match, no calibration is imported. The list cannot be applied, if parameterHandling is set to 'OFF'. Please note, that model workspace parameters have their name extended by the model they  are located in and need to be addressed accordingly in the following way: 'modelname:paramname'
constantsMatcher	string	A whitelist of all constants you would like to import. Uses the regular expression standard. Each constant is identified by its name. If no value is defined, no constants are imported. If the specified regular expression does not produce any match, no constant is imported. 
cfileMatcher	string	A whitelist of all c-code files you would like to import. Uses the regular expression standard. Each file is identified by its name. If no value is defined, all files are imported. If the specified regular expression does not produce any match, no file is imported.
}		

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [<a href='#get-/ep/progress'>Progress</a>](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
                        The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

### RESPONSE MODEL - text/plain

string

## 2.4 POST /ep/architectures/targetlink-ev

### Import a TargetLink™ EV architecture

<b>Long running task</b> Import a TargetLink™ EV architecture. Settings are provided as an import info object.

## REQUEST

### REQUEST BODY - application/json

```
{
  tlModelFile*      string  The absolute or relativ path to the TargetLink model file (.mdl|.slx).
  tlInitScript       string  The absolute or relativ path to the script defining all parameters needed for initializing the TL-model. If not provided, the TL-model is assumed to be selfcontained.
  fixedStepSolver    boolean 'true': The analyzed models (TargetLink model and Simulink model) will be set to the fixed-step solver type automatically. The usage of the EmbeddedPlatform requires a fixed-step solver. If the model is open and the fixed-step solver is not already set, this might lead to a modified model. <br>'false': The analyzed models (TargetLink model and Simulink model) will not be set to the fixed-step solver automatically. If the fixed-step solver is not already set in the model, an
```

		exception is thrown. In order to proceed the user has to set the fixed-step solver manually in the simulation settings.  Note: The option is ignored if the model is currently not in an open/loaded state. In this case it has no visible side-effect.  Default is 'false'.
tlSubsystem	string	Name of the Subsystem representing the TL toplevel subsystem for the analysis. Note: Argument is obligatory if there is more than one toplevel system in the model.
calibrationHandling	enum	<b>ALLOWED:</b> OFF, EXPLICIT_PARAMETER, LIMITED_BLOCKSET Determine how calibration variables are being handled. 'OFF': Only regular inputs in the interface of subsystems are observed.  'EXPLICIT_PARAMETER': Calibration variables are regarded as additional inputs to subsystems. Their value is set once during the initial phase of the simulation and is held constant thereafter.  'LIMITED_BLOCKSET': Calibration variables are regarded as additional inputs to subsystems. Their value is set once during the initial phase of the simulation and is held constant thereafter. Enable support for calibration within block properties, not using workspace calibrations. Note: The supported Set of calibratable TL-Blocks is different from 'EXPLICIT_PARAMETER'. Default is 'EXPLICIT_PARAMETER'.
subsystemMatcher	string	A whitelist of all subsystems you would like to import. Uses the regular expression standard. Each subsystem is identified by its virtual path inside the model. If no value is defined, all subsystems are imported. If the specified regular expression does not produce any match, only the toplevel subsystem is imported.  The root subsystem is always imported. Please note that the subsystem-path has to include the Targetlink wrapper.
calibrationMatcher	string	A whitelist of all calibrations you would like to import. Uses the regular expression standard. Each calibration is identified by its name. If no value is defined, all calibrations are imported. If the specified regular expression does not produce any match, no calibration is imported. The list cannot be applied, if calibrationHandling is set to 'OFF'.
constantsMatcher	string	A whitelist of all constants you would like to import. Uses the regular expression standard. Each constant is identified by its name. If no value is defined, no constants are imported. If the specified regular expression does not produce any match, no constant is imported. 
}		

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
                        The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 2.5 POST /ep/architectures/mdf

### Import an MDF™ architecture

<b>Long running task</b> Import an MDF™ architecture. Settings are provided as an import info object.

## REQUEST

**REQUEST BODY - application/json**

```
{
  modelFile*   string  Absolute or relative path to the execution record (.mf4).
  sampleTime*  string  Sample time, in seconds.
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not acceptable

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 2.6 GET /ep/architectures/{architecture-uid}

### Get a specific architecture

Get an existing architecture by UID.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*architecture-uid	string	The UID of the architecture to be returned.

## RESPONSE

**STATUS CODE - 200:** OK

**RESPONSE MODEL - application/json**

```
{
  uid string READ-ONLY
           The unique identifier (UID) of this object.
  architectureKind string READ-ONLY
}
```

```

    name                string  READ-ONLY
                                The string representation of the concrete architecture, e.g. 'Simulink', 'C-Code', 'TargetLink'.
                                The architecture name as specified by the model.

    propList {
      The Architecture property List
    }
  }
}

```

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

## 2.7 GET /ep/architectures

### Get all architectures

Search for all open architectures.

### REQUEST

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
architecture-kind	string	Specifies the specific architecture kind to be queried. (e.g. 'Simulink', 'C-Code', 'TargetLink')

### RESPONSE

**STATUS CODE - 200:** OK

**RESPONSE MODEL - application/json**

```

[ {
  Array of object:
    uid                string  READ-ONLY
                                The unique identifier (UID) of this object.
    architectureKind  string  READ-ONLY
                                The string representation of the concrete architecture, e.g. 'Simulink', 'C-Code', 'TargetLink'.
    name              string  READ-ONLY
                                The architecture name as specified by the model.
    propList {
      The Architecture property List
    }
  } ]

```

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

## 2.8 PUT /ep/architectures

### Update architectures

Long running task Perform an architecture update.

### REQUEST

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
performUpdateCheck	boolean	Only perform the architecture update, if required. If set to true, preliminary checks are performed. If an update is not required, the architecture update will be skipped. Default is: false -> The architecture update is always performed, when this method is called.

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
    The ID of a job.
}
```

**STATUS CODE - 204:** No Content. Returned, if an architecture update was not performed.<br>An architecture update may be automatically skipped, if the optional parameter 'performUpdateCheck' is set to true.<br>If the check is enabled, details of its results are logged as messages.

#### RESPONSE MODEL - application/json

```
{
  uid string READ-ONLY
    The unique identifier (UID) of this object.
  architectureKind string READ-ONLY
    The string representation of the concrete architecture, e.g. 'Simulink', 'C-Code', 'TargetLink'.
  name string READ-ONLY
    The architecture name as specified by the model.
  propList {
    The Architecture property List
  }
}
```

**STATUS CODE - 400:** Bad request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 2.9 GET /ep/architectures/architecture-update-report

### Get architecture update report

Retrieve the architecture update report if available.

### REQUEST

No request parameters

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  uid          string READ-ONLY
                The unique identifier (UID) of this object.
  reportName   string Name of the report.
  reportType   string Type of the report.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

## 2.10 PUT /ep/architectures/model-paths

### Update model paths for architectures

Update the paths for imported architectures. If the architecture-uid is not specified, the model paths will be updated for the master architecture.

### REQUEST

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
architecture-uid	string	The UID of the architecture to be updated. If empty, the path will be updated for the master architecture.

REQUEST BODY - application/json

```
{
  slModelFile  string The path to the Simulink model(.mdl|.slx).
  slInitScript string The path to the init script of the Simulink model.
  addModelInfo string The path to additional model information.
  tlModelFile  string The path to the TargetLink model file (.mdl|.slx).
  tlInitScript string The path to the init script of the TargetLink model.
}
```



```

    environment    string    The path to XML file including information about
                             environmental files like additional code.
}

```

## RESPONSE

**STATUS CODE - 200: OK**

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 400: Bad request**

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 404: Not found**

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 500: Internal server error**

**RESPONSE MODEL - text/plain**

```
string
```

## 2.11 POST /ep/architectures/simulink

### Import a Simulink™ architecture

<b>Long running task</b> Import a Simulink™ architecture. Settings are provided as an import info object.

## REQUEST

**REQUEST BODY - application/json**

```

{
  slModelFile*      string    The absolute or relative path to the Simulink model.<br>This file is mandatory and may not be
                             undefined!
  slInitScriptFile  string    The absolute or relative path to the init script of the Simulink model.<br>This attribute may be
                             undefined.<br>If the specified file path is invalid, an error is reported.
  parameterHandling enum      ALLOWED:OFF, EXPLICIT_PARAMETER
                             Specifies how parameter variables are handled. Can be 'OFF' or 'EXPLICIT_PARAMETER'.<br>'OFF':
                             Only regular inputs in the interface of subsystems are observed.<br>'EXPLICIT_PARAMETER':
                             Parameter variables are regarded as additional inputs to subsystems.<br>Default is
                             'EXPLICIT_PARAMETER'.<br>If not specified (undefined or invalid), the default value is used.
  testMode          enum      ALLOWED:BLACK_BOX, GREY_BOX
                             Specifies the test mode. Can be 'BLACK_BOX' or 'GREY_BOX'.<br>If set to 'GREY_BOX', local
                             variables are regarded as additional outputs of subsystems.<br>For Black Box-Testing only the
                             regular outputs in the interfaces of subsystems are observed.<br>Default is 'GREY_BOX'.<br>If not
                             specified (undefined or invalid), the default value is used.
  fixedStepSolver   boolean   Defines, if the fixed step solver will be set or not. Can be true or false.<br>true: The analyzed
                             Simulink model will be set to the fixed-step solver type automatically.<br>The usage of the
                             EmbeddedPlatform requires a fixed-step solver. If the model is open and<br>the fixed-step solver
                             is not already set, this might lead to a modified model.<br>false: The analyzed Simulink model will
                             not be set to the fixed-step solver automatically.<br>If the fixed-step solver is not already set in the
                             model, the method return with state of<br>a non fixed-step solver. In order to proceed the user has
                             to set the fixed-step solver<br>manually in the Simulink simulation settings.<br>Default is
                             'false'.<br>Note: The option is ignored if the model is currently not in an open/loaded state. In this
                             case it has no visible side-effect.
  mappingFile       string    File name of the mapping XML file. The file must be provided if architectures are already available
                             in the profile. The file is used to map the first imported architecture to the new imported Simulink
                             architecture.<br>This attribute may be undefined.<br>If the specified file path is invalid, an error is
                             reported.
  subsystemMatcher  string    A whitelist of all subsystems you would like to import.<br>Uses the regular expression
                             standard.<br>Each subsystem is identified by its virtual path inside the model.<br>If no value is
                             defined, all subsystems are imported.<br>If the specified regular expression does not produce any

```

<pre>parameterMatcher  string</pre>	<p>match, an error is reported.&lt;br&gt;Keep in mind that having multiple Toplevel-Subsystem will result in an error.</p> <p>A whitelist of all parameters you would like to import.&lt;br&gt;Uses the regular expression standard.&lt;br&gt;Each parameter is identified by its name.&lt;br&gt;If no value is defined, all parameters are imported.&lt;br&gt;If the specified regular expression does not produce any match, no parameter is imported.&lt;br&gt;The list cannot be applied, if parameterHandling is set to 'OFF'.&lt;br&gt;Please note, that model workspace parameters have their name extended by the model they &lt;br&gt;are located in and need to be addressed accordingly in the following way: 'modelname:paramname'</p>
-------------------------------------	--

```
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID  string  READ-ONLY
                The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

```
string
```

## 2.12 POST /ep/architectures/targetlink

### Import a TargetLink™ architecture

<b>Long running task</b> Import a TargetLink™ architecture. Settings are provided as an import info object.

## REQUEST

**REQUEST BODY - application/json**

<pre>{   tlModelFile*   tlInitScript   slModelFile   slInitScript   environment   useExistingCode   activateModellinking</pre>	<pre>string string string string string boolean boolean</pre>	<p>The absolute or relative path to the TargetLink model file (.mdl .slx).</p> <p>The absolute or relative path to the script defining all parameters needed for initializing the TL-model.&lt;br&gt;If not provided, the TL-model is assumed to be selfcontained.</p> <p>The absolute or relative path to the Simulink model file (.mdl .slx).&lt;br&gt;Note: If a TargetLink model is given, the SL-model is assumed to be equivalent to the TL-model.</p> <p>The absolute or relative path to the script defining all parameters needed for initializing the SL-model. &lt;br&gt;If not provided, the SL-model is assumed to be selfcontained.</p> <p>The absolute or relative path to XML file including information about environmental files like additional code. (see specifications in CodeGeneration.dtd).</p> <p>Determine if code generation needs to be done.&lt;br&gt;'true': Code generation is not explicitly performed.&lt;br&gt;Instead it is assumed that the required code files are already generated and&lt;br&gt;that the corresponding DataDictionary of the model includes information about the code generation.&lt;br&gt;'false': Code generation is explicitly performed during the analysis.&lt;br&gt;The resulting code is used for further steps.&lt;br&gt;&lt;br&gt;Default is 'false'.</p> <p>Determine if the source code needs to be linked to the TargetLink model.&lt;br&gt;'true': A link between the source code and the TargetLink model will be established.&lt;br&gt;This setting may lead to a modified TargetLink model.&lt;br&gt;To accomplish this link relation,</p>
--	---	---

		the TargetLink option 'ExtendedBlockComments' needs to be enabled  with a subsequent TargetLink code generation. 'false': The source code model linking is not explicitly set by EmbeddedPlatform. Default is 'false'.
closedLoopModel	boolean	Determine if the SUT environment is analyzed during extraction 'true': The environment of the SUT is also analyzed during the model extraction. Important for analyzing closed-loop models.  'false': Only the SUT is considered during the model extraction.  Default is 'false'.
fixedStepSolver	boolean	Defines, if the fixed step solver will be set or not. 'true': The analyzed models (TargetLink model and Simulink model) will be set to the fixed-step solver type automatically. The usage of the EmbeddedPlatform requires a fixed-step solver.  If the model is open and the fixed-step solver is not already set,  this might lead to a modified model. 'false': The analyzed models (TargetLink model and Simulink model) will not be set to the fixed-step solver automatically. If the fixed-step solver is not already set in the model, an exception is thrown. In order to proceed the user has to set the fixed-step solver manually in the simulation settings. Note: The option is ignored if the model is currently not in an open/loaded state. In this case it has no visible side-effect.  Default is 'false'.
tlSubsystem	string	Name of the Subsystem representing the TL toplevel subsystem for the analysis. Note: Argument is obligatory if there is more than one toplevel system in the model.
calibrationHandling	enum	<b>ALLOWED:OFF, EXPLICIT_PARAMETER, LIMITED_BLOCKSET</b> Determine how calibration variables are being handled. 'OFF': Only regular inputs in the interface of subsystems are observed. 'EXPLICIT_PARAMETER': Calibration variables are regarded as additional inputs to subsystems. Their value is set once during the initial phase of the simulation and is held constant thereafter. 'LIMITED_BLOCKSET': Calibration variables are regarded as additional inputs to subsystems. Their value is set once during the initial phase of the simulation and is held constant thereafter. Enable support for calibration within block properties, not using workspace calibrations. Note: The supported Set of calibratable TL-Blocks is different from 'EXPLICIT_PARAMETER'.Default is 'EXPLICIT_PARAMETER'. 
testMode	enum	<b>ALLOWED:BLACK_BOX, GREY_BOX</b> Specifies the test mode. Can be 'BLACK_BOX' or 'GREY_BOX'. If set to 'GREY_BOX', local variables are regarded as additional outputs of subsystems. For Black Box-Testing only the regular outputs in the interfaces of subsystems are observed. Default is 'GREY_BOX'. If not specified (undefined or invalid), the default value is used.
mappingFileForTLArch	string	The absolute or relative path to the mapping file for TargetLink architecture mapping. At least one mapping file must be provided if architectures are already available in the profile. The file is used to map the first imported architecture to the new imported TargetLink architecture.  If this file is not provided, the mapping to the first imported architecture is derived from the auto-generated  mapping between TargetLink, C-Code, and Simulink (if available). For the derivation to work, at least one of  these architectures must be mapped to the first imported architecture via a specified mapping file
mappingFileForCCodeArch	string	The absolute or relative path to the mapping file for C-Code architecture mapping. At least one mapping must be provided if architectures are already available in the profile. The file is used to map the first imported architecture to the new imported C-Code architecture.  If this file is not provided, the mapping to the first imported architecture is derived from the auto-generated  mapping between TargetLink, C-Code, and Simulink (if available). For the derivation to work, at least one of  these architectures must be mapped to the first imported architecture via a specified mapping file
mappingFileForSLArch	string	The absolute or relative path to the mapping file for Simulink architecture mapping. At least one mapping must be provided if a Simulink architecture is additionally imported and architectures are already available in the profile. The file is used to map the first imported architecture to the new imported Simulink architecture. If this file is not provided, the mapping to the first imported architecture is derived from the auto-generated  mapping between TargetLink, C-Code, and Simulink (if available). For the derivation to work, at least one of  these architectures must be mapped to the first imported architecture via a specified mapping file
subsystemMatcher	string	A whitelist of all subsystems you would like to import. Uses the regular expression standard. Each subsystem is identified by its virtual path inside the model. If no value is defined, all subsystems are imported. If the specified regular expression does not produce any match, only the toplevel subsystem is imported.  The root subsystem is always imported. Please note that the subsystem-path has to include the Targetlink wrapper.
calibrationMatcher	string	A whitelist of all calibrations you would like to import. Uses the regular expression standard. Each calibration is identified by its name. If no value is defined, all calibrations are imported. If the specified regular expression does not produce any match, no calibration is imported. The list cannot be applied, if calibrationHandling is set to 'OFF'.
constantsMatcher	string	A whitelist of all constants you would like to import. Uses the regular expression standard. Each constant is identified by its name. If no value is defined, no constants are imported. If the specified regular expression does not produce any

<pre>cfileMatcher</pre>	<pre>string</pre>	match, no constant is imported.          A whitelist of all c-code files you would like to import. Uses the regular expression standard. Each file is identified by its name. If no value is defined, all files are imported. If the specified regular expression does not produce any match, no file is imported.
<pre>}</pre>		

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

```
string
```

## 2.13 POST /ep/architectures/userdefined

### Import a User-defined architecture

<b>Long running task</b> Import a User-defined architecture from a XML file that describes the interface of the architecture. <br>It is only possible to have one User-defined architecture imported at all times. Importing a second User-defined architecture will be rejected.

## REQUEST

**REQUEST BODY - application/json**

```
{
  modelFile* string Filename (and path) of the xml file that describes the interface of the User-defined architecture to import.
  mappingFile string Filename (and path) of the mapping xml file that describes the mapping between the User-defined architecture and the master architecture. <br>This file is only required (and mandatory), if the User-defined architecture is imported into a profile that already contains another architecture.
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

}

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

# 3. BACK-TO-BACK TEST REPORTS

## 3.1 POST /ep/b2b/{b2b-test-uid}/b2b-reports

### Create a B2B test report on a B2B test

Creates a Back-to-Back test report on a Back-to-Back test by providing its UID.

#### REQUEST

##### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*b2b-test-uid	string	The Back-to-Back test UID for which the Back-to-Back test report is created.

#### RESPONSE

STATUS CODE - 201: Created

##### RESPONSE MODEL - application/json

```
{
  uid          string READ-ONLY
                  The unique identifier (UID) of this object.
  reportName   string Name of the report.
  reportType   string Type of the report.
}
```

STATUS CODE - 404: Not found

##### RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

##### RESPONSE MODEL - text/plain

string

## 3.2 GET /ep/b2b-reports

### Get all B2B test reports

Retrieve all the Back-to-Back test reports from the profile.

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 200: OK

##### RESPONSE MODEL - application/json

```
[ {
  Array of object:
  uid          string READ-ONLY
                  The unique identifier (UID) of this object.
  reportName   string Name of the report.
}
```

```
    reportType string  Type of the report.  
  }]
```

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

```
string
```

---

# 4. BACK-TO-BACK TESTS

Create and retrieve Back-to-Back tests.

## 4.1 GET /ep/b2b/{b2b-uid}

### Get a B2B test

Get a Back-to-Back test with the provided UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*b2b-uid	string	The UID of the Back-to-Back test to be returned.

### RESPONSE

STATUS CODE - 200: OK

#### RESPONSE MODEL - application/json

{			
uid	string	READ-ONLY	The unique identifier (UID) of this object.
referenceMode	string		The reference execution config type.
comparisonMode	string		The comparison execution config type.
referenceFolderUIDs	[string]		Reference folder UIDs
comparisonFolderUID	string		Comparison folder UID
executionDate	string		Execution Date
verdictStatus	enum	ALLOWED:PASSED, FAILED, ERROR, FAILED_ACCEPTED	The verdict status
verdictState	enum	ALLOWED:VALID, OUTDATED_TOLERANCE_UPDATE, OUTDATED_MISSING_EXECUTIONS	Verdict State
failed	integer		Number of failed comparisons.
failedAccepted	integer		Number of failed accepted comparisons.
passed	integer		Number of passed comparisons.
error	integer		Number of comparisons with error.
total	integer		Total number of comparisons.
comparisons [{			
Array of object: All comparisons.			
uid	string	READ-ONLY	The unique identifier (UID) of this object.
name	string		The name of Test Case / Stimuli Vector used in Comparison.
verdictStatus	enum	ALLOWED:PASSED, FAILED, ERROR, FAILED_ACCEPTED	The verdict status
referenceExecutionRecordUID	string		UID of reference execution record.
comparisonExecutionRecordUID	string		UID of compared to execution record.
comment	string		Added comment for Comparison.
}]			
name	string		The name of the Back-To-Back Test.
stimuliFolderUIDs	[string]		Folder UIDs for which Back-To-Back Test was generated.
stimuliScopeUIDs	[string]		Scope UIDs for which Back-To-Back Test was generated.
}			

STATUS CODE - 404: Not found



RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

## 4.2 PATCH /ep/b2b/{b2b-uid}

### Change a verdict status for a comparison

Changes verdict status for a comparison. If accept is true, the comparison verdict status is changed from 'failed' to 'failed (accepted)'. If accept is false, the comparison verdict status is changed from 'failed (accepted)' to 'failed'.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*b2b-uid	string	The Back-to-Back test UID for which to change the comparison verdict.

#### REQUEST BODY - application/json

```
{
  comparisonUID* string  UID of the Comparison
  accept*        boolean  If accept is true, the comparison verdict status is changed from 'failed' to 'failed (accepted)'. If accept is
                           false, the comparison verdict status is changed from 'failed (accepted)' to 'failed'
}
```

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 4.3 POST /ep/folders/{folder-uid}/b2b

### Create a B2B test on a folder

**Long running task** Generates a Back-to-Back test on a given folder UID for the specified reference and comparison execution kinds. Optionally, the execution can be forced to simulate all contained requirements-based test cases/stimuli-vectors. Optionally, only stimuli vectors can be set to be executed if force execution is activated. Otherwise if there are requirements-based test cases with comparison verdicts, the verdicts will be deleted in order to run the Back-to-Back test.

# REQUEST

## PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The folder UID for which the Back-to-Back test is generated.

## REQUEST BODY - application/json

{			
refMode*	string	Reference execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL'). Not case-sensitive.	
compMode*	string	Comparison execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL'). Not case-sensitive.	
forceExecute	boolean	(Optional) If true, simulates all contained test cases/stimuli-vectors, replacing existing execution records. Default is false.	
simulateStimuliVectorsOnly	boolean	(Optional) This option can be used only when forceExecution is set to true. If true, simulates only stimuli-vectors. If false, and there are Requirements-based Test Cases with comparison verdicts, the verdicts will be deleted in order to run the Back-To-Back Test. Default value is false.	
}			

# RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [href='#get-/ep/progress'>Progress](#) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

## RESPONSE MODEL - application/json

{		
jobID	string	READ-ONLY The ID of a job.
}		

**STATUS CODE - 400:** Bad Request

## RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

## RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

## RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

## RESPONSE MODEL - text/plain

string

## 4.4 POST /ep/folders/b2b

### Create a B2B test on a list of folders

**Long running task** Generates a Back-to-Back test on a given list of folder UIDs for the specified reference and comparison execution kinds. Optionally, the execution can be forced to simulate all contained requirements-based test cases/stimuli-vectors. Optionally, only stimuli vectors can be set to be executed if force execution is activated. Otherwise if there are requirements-based test cases with comparison verdicts, the verdicts will be deleted in order to run the Back-to-

Back test.

REQUEST

REQUEST BODY - application/json

refMode*	string	Reference execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL'). Not case-sensitive.
compMode*	string	Comparison execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL'). Not case-sensitive.
forceExecute	boolean	(Optional) If true, simulates all contained test cases/stimuli-vectors, replacing existing execution records. Default is false.
simulateStimuliVectorsOnly	boolean	(Optional) This option can be used only when forceExecution is set to true. If true, simulates only stimuli-vectors. If false, and there are Requirements-based Test Cases with comparison verdicts, the verdicts will be deleted in order to run the Back-To-Back Test. Default value is false.
UIDs*	[string]	UIDs list (e.g. scopes, folders)

RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

RESPONSE MODEL - application/json

jobID	string	READ-ONLY
		The ID of a job.

**STATUS CODE - 400:** Bad Request

RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

RESPONSE MODEL - text/plain

string

4.5 POST /ep/scopes/{scope-uid}/b2b

Create a B2B test on a scope

**Long running task** Generates a Back-to-Back test on a given scope UID for the specified reference and comparison execution kinds. Optionally, the execution can be forced to simulate all contained requirements-based test cases/stimuli-vectors. Optionally, only stimuli vectors can be set to be executed if force execution is activated. Otherwise if there are requirements-based test cases with comparison verdicts, the verdicts will be deleted in order to run the Back-to-Back test.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The scope UID for which the Back-to-Back test is generated.

#### REQUEST BODY - application/json

{		
refMode*	string	Reference execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL'). Not case-sensitive.
compMode*	string	Comparison execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL'). Not case-sensitive.
forceExecute	boolean	(Optional) If true, simulates all contained test cases/stimuli-vectors, replacing existing execution records. Default is false.
simulateStimuliVectorsOnly	boolean	(Optional) This option can be used only when forceExecution is set to true. If true, simulates only stimuli-vectors. If false, and there are Requirements-based Test Cases with comparison verdicts, the verdicts will be deleted in order to run the Back-To-Back Test. Default value is false.
}		

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

## 4.6 POST /ep/scopes/b2b

### Create a B2B test on a list of scopes

**Long running task** Generates a Back-to-Back test on a given list of scope UIDs for the specified reference and comparison execution kinds. Optionally, the execution can be forced to simulate all contained requirements-based test cases/stimuli-vectors. Optionally, only stimuli vectors can be set to be executed if force execution is activated. Otherwise if there are requirements-based test cases with comparison verdicts, the verdicts will be deleted in order to run the Back-to-Back test.

## REQUEST

#### REQUEST BODY - application/json

{		
refMode*	string	Reference execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL'). Not case-sensitive.

compMode*	string	Comparison execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL'). Not case-sensitive.
forceExecute	boolean	(Optional) If true, simulates all contained test cases/stimuli-vectors, replacing existing execution records. Default is false.
simulateStimuliVectorsOnly	boolean	(Optional) This option can be used only when forceExecution is set to true. If true, simulates only stimuli-vectors. If false, and there are Requirements-based Test Cases with comparison verdicts, the verdicts will be deleted in order to run the Back-To-Back Test. Default value is false.
UIDs*	[string]	UIDs list (e.g. scopes, folders)

}

RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
                The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

4.7 GET /ep/b2b

Get all B2B tests

Get all Back-to-Back tests from active profile.

REQUEST

No request parameters

RESPONSE

**STATUS CODE - 200:** OK

**RESPONSE MODEL - application/json**

```
[ {
  Array of object:
    uid string READ-ONLY
                The unique identifier (UID) of this object.
    referenceMode string
                The reference execution config type.
    comparisonMode string
                The comparison execution config type.
    referenceFolderUIDs [string]
                Reference folder UIDs
    comparisonFolderUID string
                Comparison folder UID
    executionDate string
                Execution Date
  }
```

verdictStatus	enum	ALLOWED:PASSED, FAILED, ERROR, FAILED_ACCEPTED
verdictState	enum	The verdict status ALLOWED:VALID, OUTDATED_TOLERANCE_UPDATE, OUTDATED_MISSING_EXECUTIONS
failed	integer	Verdict State Number of failed comparisons.
failedAccepted	integer	Number of failed accepted comparisons.
passed	integer	Number of passed comparisons.
error	integer	Number of comparisons with error.
total	integer	Total number of comparisons.
comparisons [{		
Array of object: All comparisons.		
uid	string	READ-ONLY The unique identifier (UID) of this object.
name	string	The name of Test Case / Stimuli Vector used in Comparison.
verdictStatus	enum	ALLOWED:PASSED, FAILED, ERROR, FAILED_ACCEPTED The verdict status
referenceExecutionRecordUID	string	UID of reference execution record.
comparisonExecutionRecordUID	string	UID of compared to execution record.
comment	string	Added comment for Comparison.
}]		
name	string	The name of the Back-To-Back Test.
stimuliFolderUIDs	[string]	Folder UIDs for which Back-To-Back Test was generated.
stimuliScopeUIDs	[string]	Scope UIDs for which Back-To-Back Test was generated.
}]		

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

# 5. CODE ANALYSIS REPORTS B2B

Handle Back-To-Back code analysis reports.

## 5.1 POST /ep/folders/{folder-uid}/code-analysis-reports-b2b

### Create a report on a folder

Create a B2B code analysis report on given folder.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The folder UID for which to create the B2B code analysis report.

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
    The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

## 5.2 POST /ep/folders/code-analysis-reports-b2b

### Create a report on a list of folders

Create B2B Code Analysis Report on given folders.

### REQUEST

#### REQUEST BODY - application/json

```
{
  UUIDs* [string] List with unique identifiers of the objects.
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 5.3 POST /ep/scopes/{scope-uid}/code-analysis-reports-b2b

### Create a report on a scope

Create a B2B code analysis report on given scope.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The scope UID for which to create the B2B code analysis report.

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```



```
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

## 5.4 GET /ep/code-analysis-reports-b2b

### Get all reports

Retrieve all B2B code analysis reports from profile.

### REQUEST

No request parameters

### RESPONSE

**STATUS CODE - 200:** OK

**RESPONSE MODEL - application/json**

```
[{
```

Array of object:

uid	string	READ-ONLY
		The unique identifier (UID) of this object.
reportName	string	Name of the report.
reportType	string	Type of the report.

```
}]
```

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

---

# 6. CODE ANALYSIS REPORTS RBT

Creates requirement-based code analysis reports.

## 6.1 POST /ep/folders/{folder-uid}/code-analysis-reports-rbt

### Create a report on a folder

<b>Long running task</b> Create an RBT code analysis report on a given folder.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The folder UID for which to create an RBT code analysis report.

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
    The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

## 6.2 POST /ep/folders/code-analysis-reports-rbt

### Create a report on a list of folders

Create an RBT code analysis report on given folders.

### REQUEST

#### REQUEST BODY - application/json

```
{
  UUIDs* [string] List with unique identifiers of the objects.
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 6.3 POST /ep/requirements-sources/{requirements-source-uid}/code-analysis-reports-rbt

### Create a report on a requirements source

Create an RBT code analysis report on a given requirements source UID.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*requirements-source-uid	string	The requirements source UID for which to create RBT code analysis report.

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
```

```
    jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

## 6.4 POST /ep/requirements-sources/code-analysis-reports-rbt

### Create a report on requirements sources

Create an RBT code analysis report on given requirements sources.

### REQUEST

**REQUEST BODY - application/json**

```
{
  UIDs* [string] List with unique identifiers of the objects.
}
```

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 6.5 POST /ep/scopes/{scope-uid}/code-analysis-reports-rbt

### Create a report on scope

Create an RBT code analysis report on a given scope.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The scope UID for which to create RBT code analysis report.

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
    The ID of a job.
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 6.6 GET /ep/code-analysis-reports-rbt

### Get all reports

Retrieve all RBT code analysis reports from the profile.

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{  
  Array of object:  
    uid          string  READ-ONLY  
                        The unique identifier (UID) of this object.  
    reportName   string  Name of the report.  
    reportType   string  Type of the report.  
}]
```

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

# 7. CODE COVERAGE/ROBUSTNESS CHECK B2B

Retrieve code coverage/robustness checks details and results in B2B.

## 7.1 GET /ep/scopes/{scope-uid}/coverage-details-b2b

### Get coverage details for a scope

Get all code coverage/robustness checks details for a scope. Some filters can be applied.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
statuses	array of string ALLOWED: COVERED, UNKNOWN, UNREACHABLE_INF, UNREACHABLE_N, INCONSISTENT, UNKNOWN_JUSTIFIED, UNREACHABLE_INF_JUSTIFIED, UNREACHABLE_N_JUSTIFIED	The status filter for code coverage/robustness check goals. Possible values: COVERED, UNKNOWN, UNREACHABLE_INF, UNREACHABLE_N, INCONSISTENT, UNKNOWN_JUSTIFIED, UNREACHABLE_INF_JUSTIFIED, UNREACHABLE_N_JUSTIFIED. Can also specify multiple options.  Can also be empty, in which case the results are shown for all statuses.
goal-types	array of string ALLOWED: STM, D, C, MCDC, F, FC, SC, RO, CDC, DZ, CA	The goal type filter for code coverage/robustness check goals. Possible values for code coverage goals: STM(Statement), C(Condition), D(Decision/Branch), CDC(C/DC), MCDC(C/DC and MC/DC), F(Function), SC(Switch-Case), RO(Relational Operator), FC(Function Call).  Possible values for robustness check goals are: DZ(Division by Zero), CA(Downcast). Can also specify multiple options. Can also be empty, in which case the results are shown for all goal types.
files	array of string	List of file filters for code coverage/robustness check goals. If list is empty the results are shown for all files.

### RESPONSE

STATUS CODE - 200: OK

#### RESPONSE MODEL - application/json

```
[{
  Array of object:
  pll      string    PLL string of the coverage goal.
  type     string    Goal type of the coverage goal.
  line     integer   The line number of the location where the coverage goal is located in the file.
  file     string    The file name where the coverage property can be located.
  properties [{
    Array of object: A list with coverage goal properties.
    pll      string    PLL string of the coverage property.
    status   string    Status of the coverage property.
    coveringVectors [string] List of string vector names that cover the property.
  ]
}]
```

```

    expression string Expression of the coverage goal.
    blocks      [string] The TargetLink blocks
    comment     string The comment.
    justified   boolean If this goal is justified
  }
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 7.2 GET /ep/scopes/{scope-uid}/coverage-results-b2b

### Get coverage results for a scope

Get the code coverage and robustness checks results for a scope. Goal type filters can be applied.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
goal-types	array of string ALLOWED: STM, D, C, MCDC, F, FC, SC, RO, CDC, DZ, CA	The goal type filter for code coverage/robustness check goals. Possible values for code coverage goals: STM(Statement), C(Condition), D(Decision/Branch), CDC(C/DC), MCDC(C/DC and MC/DC), F(Function), SC(Switch-Case), RO(Relational Operator), FC(Function Call). Possible values for robustness check goals are: DZ(Division by Zero), CA(Downcast). Can also specify multiple options. Can also be empty, in which case the results are shown for all goal types.

### RESPONSE

**STATUS CODE - 200:** OK

**RESPONSE MODEL - application/json**

```

{
  CDCCoverage {
    CDC goal coverage information.

    coverageGoal      string Name of the goal
    coveredCompletelyCount integer Coverage complete count
    coveredCompletelyPercentage number Coverage complete percentage
    coveredPartiallyCount integer Coverage partial count
    coveredPartiallyPercentage number Coverage partial percentage
    handledCompleteCount integer Handled complete count
  }
}
```



```

    handledCompletelyCount      integer
    handledCompletelyPercentage number    Handled complete percentage
    handledPartiallyCount       integer    Handled partial count
    handledPartiallyPercentage  number    Handled partial percentage
    unhandledCount              integer    Unhandled count
    unhandledPercentage         number    Unhandled percentage
    uncoveredCount              integer    Uncovered count
    uncoveredPercentage         number    Uncovered percentage
    justifiedCompletelyCount     integer    Covered completely (justified) count
    justifiedCompletelyPercentage number    Covered completely (justified) percentage
    justifiedPartiallyCount      integer    Covered partially (justified) count
    justifiedPartiallyPercentage number    Covered partially (justified) percentage
    totalCount                  integer    Total count
}
CDCPropertyCoverage {
CDC property coverage information.

    coverageGoal                string    Name of the goal
    coveredCount                integer    Covered count
    coveredPercentage            number    Covered percentage
    unreachableInfiniteCount     integer    Unreachable Infinite count
    unreachableInfinitePercentage number    Unreachable Infinite percentage
    unreachableNCount           integer    Unreachable N count
    unreachableNPercentage      number    Unreachable N percentage
    unreachableInfiniteJustifiedCount integer    Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number    Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount   integer    Unreachable N (justified) count
    unreachableNJustifiedPercentage number    Unreachable N (justified) percentage
    unknownJustifiedCount        integer    Unknown (justified) count
    unknownJustifiedPercentage  number    Unknown (justified) percentage
    unknownCount                integer    Unknown count
    unknownPercentage           number    Unknown percentage
    handledCount                integer    Handled count
    handledPercentage            number    Handled percentage
    inconsistentCount           integer    Inconsistent count
    inconsistentPercentage      number    Inconsistent percentage
    unreachableCount            integer    Unreachable count
    unreachablePercentage       number    Unreachable percentage
    totalCount                  integer    Total count
    comment                     string    The comment
}
ConditionCoverage {
Condition goal coverage information.

    coverageGoal                string    Name of the goal
    coveredCompletelyCount      integer    Coverage complete count
    coveredCompletelyPercentage number    Coverage complete percentage
    coveredPartiallyCount       integer    Coverage partial count
    coveredPartiallyPercentage  number    Coverage partial percentage
    handledCompletelyCount      integer    Handled complete count
    handledCompletelyPercentage number    Handled complete percentage
    handledPartiallyCount       integer    Handled partial count
    handledPartiallyPercentage  number    Handled partial percentage
    unhandledCount              integer    Unhandled count
    unhandledPercentage         number    Unhandled percentage
    uncoveredCount              integer    Uncovered count
    uncoveredPercentage         number    Uncovered percentage
    justifiedCompletelyCount     integer    Covered completely (justified) count
    justifiedCompletelyPercentage number    Covered completely (justified) percentage

```

```

    justifiedPartiallyCount      integer  Covered partially (justified) count
    justifiedPartiallyPercentage number  Covered partially (justified) percentage
    totalCount                   integer  Total count
}
ConditionPropertyCoverage {
Condition property coverage information.

    coverageGoal                string   Name of the goal
    coveredCount                 integer  Covered count
    coveredPercentage            number   Covered percentage
    unreachableInfiniteCount     integer  Unreachable Infinite count
    unreachableInfinitePercentage number  Unreachable Infinite percentage
    unreachableNCount            integer  Unreachable N count
    unreachableNPercentage       number   Unreachable N percentage
    unreachableInfiniteJustifiedCount integer  Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number  Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount   integer  Unreachable N (justified) count
    unreachableNJustifiedPercentage number  Unreachable N (justified) percentage
    unknownJustifiedCount        integer  Unknown (justified) count
    unknownJustifiedPercentage   number   Unknown (justified) percentage
    unknownCount                 integer  Unknown count
    unknownPercentage            number   Unknown percentage
    handledCount                 integer  Handled count
    handledPercentage            number   Handled percentage
    inconsistentCount            integer  Inconsistent count
    inconsistentPercentage       number   Inconsistent percentage
    unreachableCount             integer  Unreachable count
    unreachablePercentage        number   Unreachable percentage
    totalCount                   integer  Total count
    comment                      string   The comment
}
DecisionCoverage {
Decision goal coverage information.

    coverageGoal                string   Name of the goal
    coveredCompletelyCount       integer  Coverage complete count
    coveredCompletelyPercentage  number   Coverage complete percentage
    coveredPartiallyCount        integer  Coverage partial count
    coveredPartiallyPercentage   number   Coverage partial percentage
    handledCompletelyCount        integer  Handled complete count
    handledCompletelyPercentage  number   Handled complete percentage
    handledPartiallyCount         integer  Handled partial count
    handledPartiallyPercentage   number   Handled partial percentage
    unhandledCount               integer  Unhandled count
    unhandledPercentage          number   Unhandled percentage
    uncoveredCount               integer  Uncovered count
    uncoveredPercentage          number   Uncovered percentage
    justifiedCompletelyCount      integer  Covered completely (justified) count
    justifiedCompletelyPercentage number  Covered completely (justified) percentage
    justifiedPartiallyCount       integer  Covered partially (justified) count
    justifiedPartiallyPercentage  number   Covered partially (justified) percentage
    totalCount                   integer  Total count
}
DecisionPropertyCoverage {
Decision property coverage information.

    coverageGoal                string   Name of the goal
    coveredCount                 integer  Covered count
    coveredPercentage            number   Covered percentage
    unreachableInfiniteCount     integer  Unreachable Infinite count

```

unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

FunctionCoverage {

Function goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

FunctionPropertyCoverage {

Function property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count

unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**FunctionCallCoverage {**  
Function call goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

**FunctionCallPropertyCoverage {**  
Function call property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

## MCDCCoverage {

MCDC goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

## MCDCPropertyCoverage {

MCDC property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

## RelationalOperatorCoverage {

Relational operation goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count

```

    handledPartiallyPercentage    number    Handled partial percentage
    unhandledCount                integer    Unhandled count
    unhandledPercentage           number    Unhandled percentage
    uncoveredCount                integer    Uncovered count
    uncoveredPercentage           number    Uncovered percentage
    justifiedCompletelyCount       integer    Covered completely (justified) count
    justifiedCompletelyPercentage number    Covered completely (justified) percentage
    justifiedPartiallyCount        integer    Covered partially (justified) count
    justifiedPartiallyPercentage   number    Covered partially (justified) percentage
    totalCount                    integer    Total count
}
RelationalOperatorPropertyCoverage {
    Relational operation property coverage information.

    coverageGoal                  string    Name of the goal
    coveredCount                  integer    Covered count
    coveredPercentage              number    Covered percentage
    unreachableInfiniteCount       integer    Unreachable Infinite count
    unreachableInfinitePercentage number    Unreachable Infinite percentage
    unreachableNCount              integer    Unreachable N count
    unreachableNPercentage         number    Unreachable N percentage
    unreachableInfiniteJustifiedCount integer    Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number    Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount     integer    Unreachable N (justified) count
    unreachableNJustifiedPercentage number    Unreachable N (justified) percentage
    unknownJustifiedCount          integer    Unknown (justified) count
    unknownJustifiedPercentage     number    Unknown (justified) percentage
    unknownCount                  integer    Unknown count
    unknownPercentage              number    Unknown percentage
    handledCount                   integer    Handled count
    handledPercentage              number    Handled percentage
    inconsistentCount              integer    Inconsistent count
    inconsistentPercentage          number    Inconsistent percentage
    unreachableCount               integer    Unreachable count
    unreachablePercentage           number    Unreachable percentage
    totalCount                     integer    Total count
    comment                        string    The comment
}
StatementCoverage {
    Statement goal coverage information.

    coverageGoal                  string    Name of the goal
    coveredCompletelyCount         integer    Coverage complete count
    coveredCompletelyPercentage    number    Coverage complete percentage
    coveredPartiallyCount          integer    Coverage partial count
    coveredPartiallyPercentage     number    Coverage partial percentage
    handledCompletelyCount         integer    Handled complete count
    handledCompletelyPercentage    number    Handled complete percentage
    handledPartiallyCount          integer    Handled partial count
    handledPartiallyPercentage     number    Handled partial percentage
    unhandledCount                 integer    Unhandled count
    unhandledPercentage             number    Unhandled percentage
    uncoveredCount                 integer    Uncovered count
    uncoveredPercentage             number    Uncovered percentage
    justifiedCompletelyCount        integer    Covered completely (justified) count
    justifiedCompletelyPercentage  number    Covered completely (justified) percentage
    justifiedPartiallyCount         integer    Covered partially (justified) count
    justifiedPartiallyPercentage   number    Covered partially (justified) percentage
    totalCount                     integer    Total count

```

```

}
StatementPropertyCoverage {
Statement property coverage information.

    coverageGoal                string    Name of the goal
    coveredCount                integer    Covered count
    coveredPercentage            number    Covered percentage
    unreachableInfiniteCount     integer    Unreachable Infinite count
    unreachableInfinitePercentage number    Unreachable Infinite percentage
    unreachableNCount           integer    Unreachable N count
    unreachableNPercentage       number    Unreachable N percentage
    unreachableInfiniteJustifiedCount integer    Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number    Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount   integer    Unreachable N (justified) count
    unreachableNJustifiedPercentage number    Unreachable N (justified) percentage
    unknownJustifiedCount        integer    Unknown (justified) count
    unknownJustifiedPercentage   number    Unknown (justified) percentage
    unknownCount                 integer    Unknown count
    unknownPercentage            number    Unknown percentage
    handledCount                 integer    Handled count
    handledPercentage            number    Handled percentage
    inconsistentCount            integer    Inconsistent count
    inconsistentPercentage       number    Inconsistent percentage
    unreachableCount             integer    Unreachable count
    unreachablePercentage        number    Unreachable percentage
    totalCount                   integer    Total count
    comment                      string    The comment
}

SwitchCaseCoverage {
Switch Case goal coverage information.

    coverageGoal                string    Name of the goal
    coveredCompletelyCount       integer    Coverage complete count
    coveredCompletelyPercentage  number    Coverage complete percentage
    coveredPartiallyCount        integer    Coverage partial count
    coveredPartiallyPercentage   number    Coverage partial percentage
    handledCompletelyCount        integer    Handled complete count
    handledCompletelyPercentage  number    Handled complete percentage
    handledPartiallyCount        integer    Handled partial count
    handledPartiallyPercentage   number    Handled partial percentage
    unhandledCount               integer    Unhandled count
    unhandledPercentage           number    Unhandled percentage
    uncoveredCount               integer    Uncovered count
    uncoveredPercentage           number    Uncovered percentage
    justifiedCompletelyCount       integer    Covered completely (justified) count
    justifiedCompletelyPercentage number    Covered completely (justified) percentage
    justifiedPartiallyCount       integer    Covered partially (justified) count
    justifiedPartiallyPercentage  number    Covered partially (justified) percentage
    totalCount                   integer    Total count
}

SwitchCasePropertyCoverage {
Switch Case property coverage information.

    coverageGoal                string    Name of the goal
    coveredCount                integer    Covered count
    coveredPercentage            number    Covered percentage
    unreachableInfiniteCount     integer    Unreachable Infinite count
    unreachableInfinitePercentage number    Unreachable Infinite percentage
    unreachableNCount           integer    Unreachable N count
    unreachableNPercentage       number    Unreachable N percentage

```

unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment
}		
DivisionByZeroCoverage {		
Division By Zero goal coverage information.		
coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count
}		
DivisionByZeroPropertyCoverage {		
Division By Zero property coverage information.		
coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage



```

    inconsistentCount          integer    Inconsistent count
    inconsistentPercentage      number     Inconsistent percentage
    unreachableCount           integer     Unreachable count
    unreachablePercentage       number     Unreachable percentage
    totalCount                 integer     Total count
    comment                    string      The comment
}
DownCastCoverage {
DownCast goal coverage information.

    coverageGoal              string      Name of the goal
    coveredCompletelyCount     integer     Coverage complete count
    coveredCompletelyPercentage number     Coverage complete percentage
    coveredPartiallyCount      integer     Coverage partial count
    coveredPartiallyPercentage number     Coverage partial percentage
    handledCompletelyCount     integer     Handled complete count
    handledCompletelyPercentage number     Handled complete percentage
    handledPartiallyCount      integer     Handled partial count
    handledPartiallyPercentage number     Handled partial percentage
    unhandledCount            integer     Unhandled count
    unhandledPercentage        number     Unhandled percentage
    uncoveredCount            integer     Uncovered count
    uncoveredPercentage        number     Uncovered percentage
    justifiedCompletelyCount    integer     Covered completely (justified) count
    justifiedCompletelyPercentage number     Covered completely (justified) percentage
    justifiedPartiallyCount     integer     Covered partially (justified) count
    justifiedPartiallyPercentage number     Covered partially (justified) percentage
    totalCount                integer     Total count
}
DownCastPropertyCoverage {
DownCast property coverage information.

    coverageGoal              string      Name of the goal
    coveredCount              integer     Covered count
    coveredPercentage          number     Covered percentage
    unreachableInfiniteCount   integer     Unreachable Infinite count
    unreachableInfinitePercentage number     Unreachable Infinite percentage
    unreachableNCount          integer     Unreachable N count
    unreachableNPercentage     number     Unreachable N percentage
    unreachableInfiniteJustifiedCount integer     Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number     Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount integer     Unreachable N (justified) count
    unreachableNJustifiedPercentage number     Unreachable N (justified) percentage
    unknownJustifiedCount      integer     Unknown (justified) count
    unknownJustifiedPercentage number     Unknown (justified) percentage
    unknownCount              integer     Unknown count
    unknownPercentage          number     Unknown percentage
    handledCount              integer     Handled count
    handledPercentage          number     Handled percentage
    inconsistentCount          integer     Inconsistent count
    inconsistentPercentage      number     Inconsistent percentage
    unreachableCount           integer     Unreachable count
    unreachablePercentage       number     Unreachable percentage
    totalCount                integer     Total count
    comment                    string      The comment
}
codeCoverageComment          string      The code coverage overview comment.
robustnessCoverageComment     string      The robustness coverage overview comment.
}

```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

## 7.3 POST /ep/coverage-goals/set-comment-b2b

### Set goal comments

Set comments of code coverage and robustness check goals.

#### REQUEST

**REQUEST BODY - application/json**

```
[{  
  Array of object:  
    pll*    string  The PLL of the code coverage or robustness goal for which to set the comment.  
    comment* string  The comment to set on the goal with the given PLL.  
}]
```

#### RESPONSE

**STATUS CODE - 200:** OK

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

## 7.4 POST /ep/coverage-goals/set-justified-b2b

### Set goal justified status

Set justified status of code coverage and robustness check goals.

#### REQUEST

**REQUEST BODY - application/json**

```
{  
  justified boolean  The desired state of justify for the supplied goals.  
  plls      [string] The PLLs of the goals  
}
```

#### RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 7.5 POST /ep/scopes/{scope-uid}/set-coverage-overview-comment-b2b

**Set overview comments**

Set the comments of code coverage overview sections.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope

#### REQUEST BODY - application/json

```
[{
  Array of object:
    type*      enum      ALLOWED:CC_STAT, STM, D, C, MCDC, F, FC, SC, RO, RC_STAT, DZ, CA
                  The type of overview for which to set the comment. Possible values for code coverage goals: CC_STAT(Code
                  Coverage Statistics), STM(Statement), D(Decision/Branch), C(Condition), MCDC(C/DC and MC/DC), F(Function),
                  FC(Function Call). SC(Switch-Case), RO(Relational Operator), Possible values for robustness check goals are:
                  RC_STAT(Robustness Check Statistics),DZ(Division by Zero), CA(Downcast). Can also specify multiple options.
    comment*   string    The comment to set for the overview type.
}]
```

### RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

# 8. CODE COVERAGE/ROBUSTNESS CHECK RBT

Retrieve code coverage/robustness checks details and results in RBT.

## 8.1 GET /ep/requirements-sources/{requirement-source-uid}/coverage-details-rbt

### Get coverage details for a requirement source

Get code coverage/robustness checks details for a requirement source. Some filters can be applied.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*requirement-source-uid	string	The UID of the requirement source

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
statuses	array of string ALLOWED: COVERED, UNKNOWN, UNREACHABLE_INF, UNREACHABLE_N, INCONSISTENT, UNKNOWN_JUSTIFIED, UNREACHABLE_N_JUSTIFIED, UNREACHABLE_INF_JUSTIFIED	The status filter for code coverage/robustness check goals. Possible values: COVERED, UNKNOWN, UNREACHABLE_INF, UNREACHABLE_N, INCONSISTENT, UNKNOWN_JUSTIFIED, UNREACHABLE_INF_JUSTIFIED, UNREACHABLE_N_JUSTIFIED. Can also specify multiple options. Can also be empty, in which case the results are shown for all statuses.
goal-types	array of string ALLOWED: STM, D, C, MCD, C, F, FC, SC, RO, CDC, DZ, CA	The goal type filter for code coverage/robustness check goals. Possible values for code coverage goals: STM(Statement), C(Condition), D(Decision/Branch), CDC(C/DC), MCD(C/DC and MC/DC), F(Function), SC(Switch-Case), RO(Relational Operator), FC(Function Call). Possible values for robustness check goals are: DZ(Division by Zero), CA(Downcast). Can also specify multiple options. Can also be empty, in which case the results are shown for all goal types.
files	array of string	List of file filters for code coverage/robustness check goals. If list is empty the results are shown for all files.

### RESPONSE

#### STATUS CODE - 200: OK

#### RESPONSE MODEL - application/json

[{

Array of object:

pll	string	PLL string of the coverage goal.
type	string	Goal type of the coverage goal.
line	integer	The line number of the location where the coverage goal is located in the file.
file	string	The file name where the coverage property can be located.

properties [{

Array of object: A list with coverage goal properties.

pll	string	PLL string of the coverage property.
status	string	Status of the coverage property.
coveringVectors	[string]	List of string vector names that cover the property.

```

    }]
    expression string      Expression of the coverage goal.
    blocks     [string]    The TargetLink blocks
    comment    string      The comment.
    justified  boolean      If this goal is justified
  }]

```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 8.2 GET /ep/scopes/{scope-uid}/coverage-details-rbt

### Get coverage details for a scope

Get all code coverage/robustness checks details for a scope. Some filters can be applied.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
statuses	array of string ALLOWED: COVERED, UNKNOWN, UNREACHABLE_INF, UNREACHABLE_N, INCONSISTENT, UNKNOWN_JUSTIFIED, UNREACHABLE_INF_JUSTIFIED, UNREACHABLE_N_JUSTIFIED	The status filter for code coverage/robustness check goals. Possible values: COVERED, UNKNOWN, UNREACHABLE_INF, UNREACHABLE_N, INCONSISTENT, UNKNOWN_JUSTIFIED, UNREACHABLE_INF_JUSTIFIED, UNREACHABLE_N_JUSTIFIED. Can also specify multiple options.  Can also be empty, in which case the results are shown for all statuses.
goal-types	array of string ALLOWED: STM, D, C, MCDC, F, FC, SC, RO, CDC, DZ, CA	The goal type filter for code coverage/robustness check goals. Possible values for code coverage goals: STM(Statement), C(Condition), D(Decision/Branch), CDC(C/DC), MCDC(C/DC and MC/DC), F(Function), SC(Switch-Case), RO(Relational Operator), FC(Function Call). Possible values for robustness check goals are: DZ(Division by Zero), CA(Downcast). Can also specify multiple options. Can also be empty, in which case the results are shown for all goal types.
files	array of string	List of file filters for code coverage/robustness check goals. If list is empty the results are shown for all files.

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  Array of object:
  pll          string    PLL string of the coverage goal.
  type         string    Goal type of the coverage goal.
  line         integer   The line number of the location where the coverage goal is located in the file.
  file         string    The file name where the coverage property can be located.
  properties   [{
    Array of object: A list with coverage goal properties.
    pll          string    PLL string of the coverage property.
    status       string    Status of the coverage property.
    coveringVectors [string] List of string vector names that cover the property.
  }]
  expression   string    Expression of the coverage goal.
  blocks       [string]   The TargetLink blocks
  comment      string    The comment.
  justified    boolean    If this goal is justified
}]
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

8.3 GET /ep/requirements-sources/{requirements-source-uid}/coverage-results-rbt

Get coverage results for a requirement source

Get the code coverage and robustness checks results for a requirement source. Goal type filters can be applied.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*requirements-source-uid	string	The UID of the requirement source

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
------	------	-------------

NAME	TYPE	DESCRIPTION
goal-types	array of string ALLOWED: STM, D, C, MCDC, F, FC, SC, RO, CDC, DZ, CA	The goal type filter for code coverage/robustness check goals. Possible values for code coverage goals: STM(Statement), C(Condition), D(Decision/Branch), CDC(C/DC), MCDC(C/DC and MC/DC), F(Function), SC(Switch-Case), RO(Relational Operator), FC(Function Call). Possible values for robustness check goals are: DZ(Division by Zero), CA(Downcast). Can also specify multiple options. Can also be empty, in which case the results are shown for all goal types.

## RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  CDCCoverage {
    CDC goal coverage information.
    coverageGoal          string    Name of the goal
    coveredCompletelyCount integer    Coverage complete count
    coveredCompletelyPercentage number  Coverage complete percentage
    coveredPartiallyCount integer    Coverage partial count
    coveredPartiallyPercentage number  Coverage partial percentage
    handledCompletelyCount integer    Handled complete count
    handledCompletelyPercentage number  Handled complete percentage
    handledPartiallyCount integer    Handled partial count
    handledPartiallyPercentage number  Handled partial percentage
    unhandledCount        integer    Unhandled count
    unhandledPercentage    number    Unhandled percentage
    uncoveredCount         integer    Uncovered count
    uncoveredPercentage    number    Uncovered percentage
    justifiedCompletelyCount integer    Covered completely (justified) count
    justifiedCompletelyPercentage number  Covered completely (justified) percentage
    justifiedPartiallyCount integer    Covered partially (justified) count
    justifiedPartiallyPercentage number  Covered partially (justified) percentage
    totalCount             integer    Total count
  }
  CDCPropertyCoverage {
    CDC property coverage information.
    coverageGoal          string    Name of the goal
    coveredCount           integer    Covered count
    coveredPercentage      number    Covered percentage
    unreachableInfiniteCount integer    Unreachable Infinite count
    unreachableInfinitePercentage number  Unreachable Infinite percentage
    unreachableNCount      integer    Unreachable N count
    unreachableNPercentage number    Unreachable N percentage
    unreachableInfiniteJustifiedCount integer    Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number  Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount integer    Unreachable N (justified) count
    unreachableNJustifiedPercentage number  Unreachable N (justified) percentage
    unknownJustifiedCount  integer    Unknown (justified) count
    unknownJustifiedPercentage number  Unknown (justified) percentage
    unknownCount           integer    Unknown count
    unknownPercentage      number    Unknown percentage
    handledCount           integer    Handled count
    handledPercentage      number    Handled percentage
    inconsistentCount       integer    Inconsistent count
    inconsistentPercentage  number    Inconsistent percentage
  }
}
```

unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**ConditionCoverage {**  
Condition goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

**ConditionPropertyCoverage {**  
Condition property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**DecisionCoverage {**  
Decision goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage



```

coveredPartiallyCount      integer  Coverage partial count
coveredPartiallyPercentage number  Coverage partial percentage
handledCompletelyCount     integer  Handled complete count
handledCompletelyPercentage number  Handled complete percentage
handledPartiallyCount      integer  Handled partial count
handledPartiallyPercentage number  Handled partial percentage
unhandledCount            integer  Unhandled count
unhandledPercentage        number  Unhandled percentage
uncoveredCount            integer  Uncovered count
uncoveredPercentage        number  Uncovered percentage
justifiedCompletelyCount   integer  Covered completely (justified) count
justifiedCompletelyPercentage number  Covered completely (justified) percentage
justifiedPartiallyCount    integer  Covered partially (justified) count
justifiedPartiallyPercentage number  Covered partially (justified) percentage
totalCount                integer  Total count
}
DecisionPropertyCoverage {
Decision property coverage information.

coverageGoal              string  Name of the goal
coveredCount              integer  Covered count
coveredPercentage          number  Covered percentage
unreachableInfiniteCount   integer  Unreachable Infinite count
unreachableInfinitePercentage number  Unreachable Infinite percentage
unreachableNCount          integer  Unreachable N count
unreachableNPercentage     number  Unreachable N percentage
unreachableInfiniteJustifiedCount integer  Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage number  Unreachable Infinite (justified) percentage
unreachableNJustifiedCount integer  Unreachable N (justified) count
unreachableNJustifiedPercentage number  Unreachable N (justified) percentage
unknownJustifiedCount      integer  Unknown (justified) count
unknownJustifiedPercentage number  Unknown (justified) percentage
unknownCount              integer  Unknown count
unknownPercentage          number  Unknown percentage
handledCount              integer  Handled count
handledPercentage          number  Handled percentage
inconsistentCount          integer  Inconsistent count
inconsistentPercentage     number  Inconsistent percentage
unreachableCount           integer  Unreachable count
unreachablePercentage       number  Unreachable percentage
totalCount                integer  Total count
comment                   string  The comment
}
FunctionCoverage {
Function goal coverage information.

coverageGoal              string  Name of the goal
coveredCompletelyCount     integer  Coverage complete count
coveredCompletelyPercentage number  Coverage complete percentage
coveredPartiallyCount      integer  Coverage partial count
coveredPartiallyPercentage number  Coverage partial percentage
handledCompletelyCount     integer  Handled complete count
handledCompletelyPercentage number  Handled complete percentage
handledPartiallyCount      integer  Handled partial count
handledPartiallyPercentage number  Handled partial percentage
unhandledCount            integer  Unhandled count
unhandledPercentage        number  Unhandled percentage
uncoveredCount            integer  Uncovered count
uncoveredPercentage        number  Uncovered percentage

```

```

    justifiedCompletelyCount      integer  Covered completely (justified) count
    justifiedCompletelyPercentage number  Covered completely (justified) percentage
    justifiedPartiallyCount       integer  Covered partially (justified) count
    justifiedPartiallyPercentage  number  Covered partially (justified) percentage
    totalCount                    integer  Total count
}
FunctionPropertyCoverage {
Function property coverage information.

    coverageGoal                  string  Name of the goal
    coveredCount                  integer  Covered count
    coveredPercentage              number  Covered percentage
    unreachableInfiniteCount       integer  Unreachable Infinite count
    unreachableInfinitePercentage number  Unreachable Infinite percentage
    unreachableNCount              integer  Unreachable N count
    unreachableNPercentage         number  Unreachable N percentage
    unreachableInfiniteJustifiedCount integer  Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number  Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount     integer  Unreachable N (justified) count
    unreachableNJustifiedPercentage number  Unreachable N (justified) percentage
    unknownJustifiedCount          integer  Unknown (justified) count
    unknownJustifiedPercentage     number  Unknown (justified) percentage
    unknownCount                  integer  Unknown count
    unknownPercentage              number  Unknown percentage
    handledCount                  integer  Handled count
    handledPercentage              number  Handled percentage
    inconsistentCount              integer  Inconsistent count
    inconsistentPercentage         number  Inconsistent percentage
    unreachableCount              integer  Unreachable count
    unreachablePercentage          number  Unreachable percentage
    totalCount                    integer  Total count
    comment                       string  The comment
}
FunctionCallCoverage {
Function call goal coverage information.

    coverageGoal                  string  Name of the goal
    coveredCompletelyCount        integer  Coverage complete count
    coveredCompletelyPercentage   number  Coverage complete percentage
    coveredPartiallyCount         integer  Coverage partial count
    coveredPartiallyPercentage    number  Coverage partial percentage
    handledCompletelyCount        integer  Handled complete count
    handledCompletelyPercentage   number  Handled complete percentage
    handledPartiallyCount         integer  Handled partial count
    handledPartiallyPercentage    number  Handled partial percentage
    unhandledCount                integer  Unhandled count
    unhandledPercentage           number  Unhandled percentage
    uncoveredCount                integer  Uncovered count
    uncoveredPercentage           number  Uncovered percentage
    justifiedCompletelyCount       integer  Covered completely (justified) count
    justifiedCompletelyPercentage  number  Covered completely (justified) percentage
    justifiedPartiallyCount        integer  Covered partially (justified) count
    justifiedPartiallyPercentage  number  Covered partially (justified) percentage
    totalCount                    integer  Total count
}
FunctionCallPropertyCoverage {
Function call property coverage information.

    coverageGoal                  string  Name of the goal
    coveredCount                  integer  Covered count

```

coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**MCDCCoverage {**  
MCDC goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

**MCDCPropertyCoverage {**  
MCDC property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count

unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment
}		
RelationalOperatorCoverage {		
Relational operation goal coverage information.		
coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count
}		
RelationalOperatorPropertyCoverage {		
Relational operation property coverage information.		
coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count

```

    comment                                string    The comment
}
StatementCoverage {
Statement goal coverage information.

    coverageGoal                          string    Name of the goal
    coveredCompletelyCount                integer   Coverage complete count
    coveredCompletelyPercentage            number    Coverage complete percentage
    coveredPartiallyCount                 integer   Coverage partial count
    coveredPartiallyPercentage            number    Coverage partial percentage
    handledCompletelyCount                integer   Handled complete count
    handledCompletelyPercentage            number    Handled complete percentage
    handledPartiallyCount                 integer   Handled partial count
    handledPartiallyPercentage            number    Handled partial percentage
    unhandledCount                       integer   Unhandled count
    unhandledPercentage                   number    Unhandled percentage
    uncoveredCount                       integer   Uncovered count
    uncoveredPercentage                   number    Uncovered percentage
    justifiedCompletelyCount              integer   Covered completely (justified) count
    justifiedCompletelyPercentage          number    Covered completely (justified) percentage
    justifiedPartiallyCount               integer   Covered partially (justified) count
    justifiedPartiallyPercentage          number    Covered partially (justified) percentage
    totalCount                           integer   Total count
}
StatementPropertyCoverage {
Statement property coverage information.

    coverageGoal                          string    Name of the goal
    coveredCount                         integer   Covered count
    coveredPercentage                    number    Covered percentage
    unreachableInfiniteCount             integer   Unreachable Infinite count
    unreachableInfinitePercentage        number    Unreachable Infinite percentage
    unreachableNCount                   integer   Unreachable N count
    unreachableNPercentage               number    Unreachable N percentage
    unreachableInfiniteJustifiedCount    integer   Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number    Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount           integer   Unreachable N (justified) count
    unreachableNJustifiedPercentage      number    Unreachable N (justified) percentage
    unknownJustifiedCount                integer   Unknown (justified) count
    unknownJustifiedPercentage           number    Unknown (justified) percentage
    unknownCount                        integer   Unknown count
    unknownPercentage                    number    Unknown percentage
    handledCount                        integer   Handled count
    handledPercentage                    number    Handled percentage
    inconsistentCount                    integer   Inconsistent count
    inconsistentPercentage                number    Inconsistent percentage
    unreachableCount                     integer   Unreachable count
    unreachablePercentage                 number    Unreachable percentage
    totalCount                           integer   Total count
    comment                              string    The comment
}
SwitchCaseCoverage {
Switch Case goal coverage information.

    coverageGoal                          string    Name of the goal
    coveredCompletelyCount                integer   Coverage complete count
    coveredCompletelyPercentage            number    Coverage complete percentage
    coveredPartiallyCount                 integer   Coverage partial count
    coveredPartiallyPercentage            number    Coverage partial percentage
    handledCompletelyCount                integer   Handled complete count

```

handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

**SwitchCasePropertyCoverage {**  
Switch Case property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**DivisionByZeroCoverage {**  
Division By Zero goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count

```

    justifiedPartiallyPercentage    number    Covered partially (justified) percentage
    totalCount                     integer     Total count
}
DivisionByZeroPropertyCoverage {
Division By Zero property coverage information.

    coverageGoal                  string     Name of the goal
    coveredCount                  integer     Covered count
    coveredPercentage              number     Covered percentage
    unreachableInfiniteCount       integer     Unreachable Infinite count
    unreachableInfinitePercentage number     Unreachable Infinite percentage
    unreachableNCount              integer     Unreachable N count
    unreachableNPercentage         number     Unreachable N percentage
    unreachableInfiniteJustifiedCount integer     Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number     Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount     integer     Unreachable N (justified) count
    unreachableNJustifiedPercentage number     Unreachable N (justified) percentage
    unknownJustifiedCount          integer     Unknown (justified) count
    unknownJustifiedPercentage     number     Unknown (justified) percentage
    unknownCount                   integer     Unknown count
    unknownPercentage              number     Unknown percentage
    handledCount                   integer     Handled count
    handledPercentage              number     Handled percentage
    inconsistentCount              integer     Inconsistent count
    inconsistentPercentage         number     Inconsistent percentage
    unreachableCount               integer     Unreachable count
    unreachablePercentage          number     Unreachable percentage
    totalCount                     integer     Total count
    comment                        string      The comment
}
DownCastCoverage {
DownCast goal coverage information.

    coverageGoal                  string     Name of the goal
    coveredCompletelyCount         integer     Coverage complete count
    coveredCompletelyPercentage    number     Coverage complete percentage
    coveredPartiallyCount          integer     Coverage partial count
    coveredPartiallyPercentage     number     Coverage partial percentage
    handledCompletelyCount          integer     Handled complete count
    handledCompletelyPercentage     number     Handled complete percentage
    handledPartiallyCount           integer     Handled partial count
    handledPartiallyPercentage      number     Handled partial percentage
    unhandledCount                 integer     Unhandled count
    unhandledPercentage             number     Unhandled percentage
    uncoveredCount                 integer     Uncovered count
    uncoveredPercentage             number     Uncovered percentage
    justifiedCompletelyCount         integer     Covered completely (justified) count
    justifiedCompletelyPercentage   number     Covered completely (justified) percentage
    justifiedPartiallyCount          integer     Covered partially (justified) count
    justifiedPartiallyPercentage    number     Covered partially (justified) percentage
    totalCount                     integer     Total count
}
DownCastPropertyCoverage {
DownCast property coverage information.

    coverageGoal                  string     Name of the goal
    coveredCount                  integer     Covered count
    coveredPercentage              number     Covered percentage
    unreachableInfiniteCount       integer     Unreachable Infinite count
    unreachableInfinitePercentage number     Unreachable Infinite percentage

```

unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment
}		
codeCoverageComment	string	The code coverage overview comment.
robustnessCoverageComment	string	The robustness coverage overview comment.
}		

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 8.4 GET /ep/scopes/{scope-uid}/coverage-results-rbt

### Get coverage results for a scope

Get the code coverage and robustness checks results for a scope. Goal type filters can be applied.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
------	------	-------------



NAME	TYPE	DESCRIPTION
goal-types	array of string ALLOWED: STM, D, C, MCDC, F, FC, SC, RO, CDC, DZ, CA	The goal type filter for code coverage/robustness check goals. Possible values for code coverage goals: STM(Statement), C(Condition), D(Decision/Branch), CDC(C/DC), MCDC(C/DC and MC/DC), F(Function), SC(Switch-Case), RO(Relational Operator), FC(Function Call). Possible values for robustness check goals are: DZ(Division by Zero), CA(Downcast). Can also specify multiple options. Can also be empty, in which case the results are shown for all goal types.

## RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  CDCCoverage {
    CDC goal coverage information.
    coverageGoal          string    Name of the goal
    coveredCompletelyCount integer    Coverage complete count
    coveredCompletelyPercentage number  Coverage complete percentage
    coveredPartiallyCount  integer    Coverage partial count
    coveredPartiallyPercentage number  Coverage partial percentage
    handledCompletelyCount integer    Handled complete count
    handledCompletelyPercentage number  Handled complete percentage
    handledPartiallyCount  integer    Handled partial count
    handledPartiallyPercentage number  Handled partial percentage
    unhandledCount         integer    Unhandled count
    unhandledPercentage     number    Unhandled percentage
    uncoveredCount         integer    Uncovered count
    uncoveredPercentage     number    Uncovered percentage
    justifiedCompletelyCount integer    Covered completely (justified) count
    justifiedCompletelyPercentage number  Covered completely (justified) percentage
    justifiedPartiallyCount  integer    Covered partially (justified) count
    justifiedPartiallyPercentage number  Covered partially (justified) percentage
    totalCount             integer    Total count
  }
  CDCPropertyCoverage {
    CDC property coverage information.
    coverageGoal          string    Name of the goal
    coveredCount          integer    Covered count
    coveredPercentage     number    Covered percentage
    unreachableInfiniteCount integer    Unreachable Infinite count
    unreachableInfinitePercentage number  Unreachable Infinite percentage
    unreachableNCount     integer    Unreachable N count
    unreachableNPercentage number    Unreachable N percentage
    unreachableInfiniteJustifiedCount integer    Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number  Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount integer    Unreachable N (justified) count
    unreachableNJustifiedPercentage number    Unreachable N (justified) percentage
    unknownJustifiedCount integer    Unknown (justified) count
    unknownJustifiedPercentage number    Unknown (justified) percentage
    unknownCount          integer    Unknown count
    unknownPercentage     number    Unknown percentage
    handledCount          integer    Handled count
    handledPercentage     number    Handled percentage
    inconsistentCount     integer    Inconsistent count
    inconsistentPercentage number    Inconsistent percentage
  }
}
```

unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**ConditionCoverage {**  
Condition goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

**ConditionPropertyCoverage {**  
Condition property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**DecisionCoverage {**  
Decision goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage

```

coveredPartiallyCount      integer Coverage partial count
coveredPartiallyPercentage number Coverage partial percentage
handledCompletelyCount     integer Handled complete count
handledCompletelyPercentage number Handled complete percentage
handledPartiallyCount      integer Handled partial count
handledPartiallyPercentage number Handled partial percentage
unhandledCount             integer Unhandled count
unhandledPercentage        number Unhandled percentage
uncoveredCount             integer Uncovered count
uncoveredPercentage        number Uncovered percentage
justifiedCompletelyCount   integer Covered completely (justified) count
justifiedCompletelyPercentage number Covered completely (justified) percentage
justifiedPartiallyCount    integer Covered partially (justified) count
justifiedPartiallyPercentage number Covered partially (justified) percentage
totalCount                 integer Total count
}
DecisionPropertyCoverage {
Decision property coverage information.

coverageGoal              string Name of the goal
coveredCount              integer Covered count
coveredPercentage         number Covered percentage
unreachableInfiniteCount  integer Unreachable Infinite count
unreachableInfinitePercentage number Unreachable Infinite percentage
unreachableNCount         integer Unreachable N count
unreachableNPercentage    number Unreachable N percentage
unreachableInfiniteJustifiedCount integer Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage number Unreachable Infinite (justified) percentage
unreachableNJustifiedCount integer Unreachable N (justified) count
unreachableNJustifiedPercentage number Unreachable N (justified) percentage
unknownJustifiedCount     integer Unknown (justified) count
unknownJustifiedPercentage number Unknown (justified) percentage
unknownCount              integer Unknown count
unknownPercentage         number Unknown percentage
handledCount              integer Handled count
handledPercentage         number Handled percentage
inconsistentCount         integer Inconsistent count
inconsistentPercentage    number Inconsistent percentage
unreachableCount          integer Unreachable count
unreachablePercentage     number Unreachable percentage
totalCount                integer Total count
comment                   string The comment
}
FunctionCoverage {
Function goal coverage information.

coverageGoal              string Name of the goal
coveredCompletelyCount    integer Coverage complete count
coveredCompletelyPercentage number Coverage complete percentage
coveredPartiallyCount     integer Coverage partial count
coveredPartiallyPercentage number Coverage partial percentage
handledCompletelyCount    integer Handled complete count
handledCompletelyPercentage number Handled complete percentage
handledPartiallyCount     integer Handled partial count
handledPartiallyPercentage number Handled partial percentage
unhandledCount            integer Unhandled count
unhandledPercentage       number Unhandled percentage
uncoveredCount            integer Uncovered count
uncoveredPercentage       number Uncovered percentage

```

```

    justifiedCompletelyCount      integer  Covered completely (justified) count
    justifiedCompletelyPercentage number  Covered completely (justified) percentage
    justifiedPartiallyCount       integer  Covered partially (justified) count
    justifiedPartiallyPercentage  number  Covered partially (justified) percentage
    totalCount                    integer  Total count
}
FunctionPropertyCoverage {
Function property coverage information.

    coverageGoal                  string  Name of the goal
    coveredCount                  integer  Covered count
    coveredPercentage              number  Covered percentage
    unreachableInfiniteCount      integer  Unreachable Infinite count
    unreachableInfinitePercentage number  Unreachable Infinite percentage
    unreachableNCount             integer  Unreachable N count
    unreachableNPercentage        number  Unreachable N percentage
    unreachableInfiniteJustifiedCount integer  Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number  Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount    integer  Unreachable N (justified) count
    unreachableNJustifiedPercentage number  Unreachable N (justified) percentage
    unknownJustifiedCount         integer  Unknown (justified) count
    unknownJustifiedPercentage    number  Unknown (justified) percentage
    unknownCount                  integer  Unknown count
    unknownPercentage             number  Unknown percentage
    handledCount                  integer  Handled count
    handledPercentage             number  Handled percentage
    inconsistentCount             integer  Inconsistent count
    inconsistentPercentage        number  Inconsistent percentage
    unreachableCount              integer  Unreachable count
    unreachablePercentage         number  Unreachable percentage
    totalCount                    integer  Total count
    comment                       string  The comment
}
FunctionCallCoverage {
Function call goal coverage information.

    coverageGoal                  string  Name of the goal
    coveredCompletelyCount        integer  Coverage complete count
    coveredCompletelyPercentage   number  Coverage complete percentage
    coveredPartiallyCount         integer  Coverage partial count
    coveredPartiallyPercentage    number  Coverage partial percentage
    handledCompletelyCount        integer  Handled complete count
    handledCompletelyPercentage   number  Handled complete percentage
    handledPartiallyCount         integer  Handled partial count
    handledPartiallyPercentage    number  Handled partial percentage
    unhandledCount               integer  Unhandled count
    unhandledPercentage           number  Unhandled percentage
    uncoveredCount                integer  Uncovered count
    uncoveredPercentage           number  Uncovered percentage
    justifiedCompletelyCount      integer  Covered completely (justified) count
    justifiedCompletelyPercentage number  Covered completely (justified) percentage
    justifiedPartiallyCount       integer  Covered partially (justified) count
    justifiedPartiallyPercentage  number  Covered partially (justified) percentage
    totalCount                    integer  Total count
}
FunctionCallPropertyCoverage {
Function call property coverage information.

    coverageGoal                  string  Name of the goal
    coveredCount                  integer  Covered count

```

coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**MCDCCoverage {**  
MCDC goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

**MCDCPropertyCoverage {**  
MCDC property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count

unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**RelationalOperatorCoverage {**  
 Relational operation goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

**RelationalOperatorPropertyCoverage {**  
 Relational operation property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count

```

    comment                                string    The comment
}
StatementCoverage {
Statement goal coverage information.

    coverageGoal                          string    Name of the goal
    coveredCompletelyCount                integer   Coverage complete count
    coveredCompletelyPercentage            number    Coverage complete percentage
    coveredPartiallyCount                 integer   Coverage partial count
    coveredPartiallyPercentage            number    Coverage partial percentage
    handledCompletelyCount                integer   Handled complete count
    handledCompletelyPercentage            number    Handled complete percentage
    handledPartiallyCount                 integer   Handled partial count
    handledPartiallyPercentage            number    Handled partial percentage
    unhandledCount                       integer   Unhandled count
    unhandledPercentage                   number    Unhandled percentage
    uncoveredCount                       integer   Uncovered count
    uncoveredPercentage                   number    Uncovered percentage
    justifiedCompletelyCount              integer   Covered completely (justified) count
    justifiedCompletelyPercentage          number    Covered completely (justified) percentage
    justifiedPartiallyCount               integer   Covered partially (justified) count
    justifiedPartiallyPercentage          number    Covered partially (justified) percentage
    totalCount                           integer   Total count
}
StatementPropertyCoverage {
Statement property coverage information.

    coverageGoal                          string    Name of the goal
    coveredCount                          integer   Covered count
    coveredPercentage                     number    Covered percentage
    unreachableInfiniteCount              integer   Unreachable Infinite count
    unreachableInfinitePercentage         number    Unreachable Infinite percentage
    unreachableNCount                    integer   Unreachable N count
    unreachableNPercentage                number    Unreachable N percentage
    unreachableInfiniteJustifiedCount     integer   Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number    Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount            integer   Unreachable N (justified) count
    unreachableNJustifiedPercentage       number    Unreachable N (justified) percentage
    unknownJustifiedCount                 integer   Unknown (justified) count
    unknownJustifiedPercentage            number    Unknown (justified) percentage
    unknownCount                         integer   Unknown count
    unknownPercentage                     number    Unknown percentage
    handledCount                          integer   Handled count
    handledPercentage                     number    Handled percentage
    inconsistentCount                     integer   Inconsistent count
    inconsistentPercentage                 number    Inconsistent percentage
    unreachableCount                      integer   Unreachable count
    unreachablePercentage                  number    Unreachable percentage
    totalCount                           integer   Total count
    comment                               string    The comment
}
SwitchCaseCoverage {
Switch Case goal coverage information.

    coverageGoal                          string    Name of the goal
    coveredCompletelyCount                integer   Coverage complete count
    coveredCompletelyPercentage            number    Coverage complete percentage
    coveredPartiallyCount                 integer   Coverage partial count
    coveredPartiallyPercentage            number    Coverage partial percentage
    handledCompletelyCount                integer   Handled complete count

```

handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count
justifiedPartiallyPercentage	number	Covered partially (justified) percentage
totalCount	integer	Total count

}

**SwitchCasePropertyCoverage {**  
Switch Case property coverage information.

coverageGoal	string	Name of the goal
coveredCount	integer	Covered count
coveredPercentage	number	Covered percentage
unreachableInfiniteCount	integer	Unreachable Infinite count
unreachableInfinitePercentage	number	Unreachable Infinite percentage
unreachableNCount	integer	Unreachable N count
unreachableNPercentage	number	Unreachable N percentage
unreachableInfiniteJustifiedCount	integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage	number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount	integer	Unreachable N (justified) count
unreachableNJustifiedPercentage	number	Unreachable N (justified) percentage
unknownJustifiedCount	integer	Unknown (justified) count
unknownJustifiedPercentage	number	Unknown (justified) percentage
unknownCount	integer	Unknown count
unknownPercentage	number	Unknown percentage
handledCount	integer	Handled count
handledPercentage	number	Handled percentage
inconsistentCount	integer	Inconsistent count
inconsistentPercentage	number	Inconsistent percentage
unreachableCount	integer	Unreachable count
unreachablePercentage	number	Unreachable percentage
totalCount	integer	Total count
comment	string	The comment

}

**DivisionByZeroCoverage {**  
Division By Zero goal coverage information.

coverageGoal	string	Name of the goal
coveredCompletelyCount	integer	Coverage complete count
coveredCompletelyPercentage	number	Coverage complete percentage
coveredPartiallyCount	integer	Coverage partial count
coveredPartiallyPercentage	number	Coverage partial percentage
handledCompletelyCount	integer	Handled complete count
handledCompletelyPercentage	number	Handled complete percentage
handledPartiallyCount	integer	Handled partial count
handledPartiallyPercentage	number	Handled partial percentage
unhandledCount	integer	Unhandled count
unhandledPercentage	number	Unhandled percentage
uncoveredCount	integer	Uncovered count
uncoveredPercentage	number	Uncovered percentage
justifiedCompletelyCount	integer	Covered completely (justified) count
justifiedCompletelyPercentage	number	Covered completely (justified) percentage
justifiedPartiallyCount	integer	Covered partially (justified) count



```

    justifiedPartiallyPercentage    number    Covered partially (justified) percentage
    totalCount                     integer    Total count
}
DivisionByZeroPropertyCoverage {
Division By Zero property coverage information.

    coverageGoal                  string     Name of the goal
    coveredCount                  integer    Covered count
    coveredPercentage              number     Covered percentage
    unreachableInfiniteCount       integer    Unreachable Infinite count
    unreachableInfinitePercentage number     Unreachable Infinite percentage
    unreachableNCount              integer    Unreachable N count
    unreachableNPercentage         number     Unreachable N percentage
    unreachableInfiniteJustifiedCount integer    Unreachable Infinite (justified) count
    unreachableInfiniteJustifiedPercentage number    Unreachable Infinite (justified) percentage
    unreachableNJustifiedCount     integer    Unreachable N (justified) count
    unreachableNJustifiedPercentage number     Unreachable N (justified) percentage
    unknownJustifiedCount          integer    Unknown (justified) count
    unknownJustifiedPercentage     number     Unknown (justified) percentage
    unknownCount                  integer    Unknown count
    unknownPercentage              number     Unknown percentage
    handledCount                  integer    Handled count
    handledPercentage              number     Handled percentage
    inconsistentCount              integer    Inconsistent count
    inconsistentPercentage         number     Inconsistent percentage
    unreachableCount              integer    Unreachable count
    unreachablePercentage          number     Unreachable percentage
    totalCount                    integer    Total count
    comment                       string     The comment
}
DownCastCoverage {
DownCast goal coverage information.

    coverageGoal                  string     Name of the goal
    coveredCompletelyCount         integer    Coverage complete count
    coveredCompletelyPercentage    number     Coverage complete percentage
    coveredPartiallyCount          integer    Coverage partial count
    coveredPartiallyPercentage     number     Coverage partial percentage
    handledCompletelyCount         integer    Handled complete count
    handledCompletelyPercentage    number     Handled complete percentage
    handledPartiallyCount          integer    Handled partial count
    handledPartiallyPercentage     number     Handled partial percentage
    unhandledCount                integer    Unhandled count
    unhandledPercentage            number     Unhandled percentage
    uncoveredCount                 integer    Uncovered count
    uncoveredPercentage            number     Uncovered percentage
    justifiedCompletelyCount        integer    Covered completely (justified) count
    justifiedCompletelyPercentage  number     Covered completely (justified) percentage
    justifiedPartiallyCount        integer    Covered partially (justified) count
    justifiedPartiallyPercentage   number     Covered partially (justified) percentage
    totalCount                    integer    Total count
}
DownCastPropertyCoverage {
DownCast property coverage information.

    coverageGoal                  string     Name of the goal
    coveredCount                  integer    Covered count
    coveredPercentage              number     Covered percentage
    unreachableInfiniteCount       integer    Unreachable Infinite count
    unreachableInfinitePercentage number     Unreachable Infinite percentage

```

unreachableNCount		integer	Unreachable N count
unreachableNPercentage		number	Unreachable N percentage
unreachableInfiniteJustifiedCount		integer	Unreachable Infinite (justified) count
unreachableInfiniteJustifiedPercentage		number	Unreachable Infinite (justified) percentage
unreachableNJustifiedCount		integer	Unreachable N (justified) count
unreachableNJustifiedPercentage		number	Unreachable N (justified) percentage
unknownJustifiedCount		integer	Unknown (justified) count
unknownJustifiedPercentage		number	Unknown (justified) percentage
unknownCount		integer	Unknown count
unknownPercentage		number	Unknown percentage
handledCount		integer	Handled count
handledPercentage		number	Handled percentage
inconsistentCount		integer	Inconsistent count
inconsistentPercentage		number	Inconsistent percentage
unreachableCount		integer	Unreachable count
unreachablePercentage		number	Unreachable percentage
totalCount		integer	Total count
comment		string	The comment
}			
codeCoverageComment	string		The code coverage overview comment.
robustnessCoverageComment	string		The robustness coverage overview comment.
}			

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 8.5 POST /ep/coverage-goals/set-comment-rbt

### Set goal comments

Set comments of code coverage and robustness check goals.

### REQUEST

REQUEST BODY - application/json

[{			
Array of object:			
pll*	string		The PLL of the code coverage or robustness goal for which to set the comment.
comment*	string		The comment to set on the goal with the given PLL.
}]			

### RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 8.6 POST /ep/coverage-goals/set-justified-rbt

### Set goal justified status

Set justified status of code coverage and robustness check goals.

### REQUEST

REQUEST BODY - application/json

```
{
  justified boolean  The desired state of justify for the supplied goals.
  plls      [string] The PILs of the goals
}
```

### RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 8.7 POST /ep/scopes/{scope-uid}/set-coverage-overview-comment-rbt

### Set overview comments

Set the comments of code coverage overview sections.

### REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope

REQUEST BODY - application/json

```
[{
  Array of object:
    type* enum  ALLOWED:CC_STAT, STM, D, C, MCDC, F, FC, SC, RO, RC_STAT, DZ, CA
                  The type of overview for which to set the comment. Possible values for code coverage goals: CC_STAT(Code
```

Coverage Statistics), STM(Statement), D(Decision/Branch), C(Condition), MCD(C/DC and MC/DC), F(Function), FC(Function Call). SC(Switch-Case), RO(Relational Operator), Possible values for robustness check goals are: RC\_STAT(Robustness Check Statistics) ,DZ(Division by Zero), CA(Downcast). Can also specify multiple options.

```
comment* string The comment to set for the overview type.  
}]
```

## RESPONSE

**STATUS CODE - 200:** OK

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

## 9. COVERAGE GENERATION

For a C-Code function, create stimuli vectors which cover the code function, or mark coverage properties that are unreachable.

### 9.1 POST /ep/coverage-generation

#### Execute coverage generation

**Long running task** Using the provided configuration, execute the coverage generation / stimuli vector generation.

#### REQUEST

##### REQUEST BODY - application/json

```
{
  isSubscopesGoalsConsidered  boolean  Whether or not goals from sub scopes should be considered. <br>Default is 'true'
  targetDefinitions [ {
    Array of object: The target definitions to use for this run. <br>If no target definitions are provided, and no PLL is given, the default target
    definitions are used
    label* string  The label of the target definition.
  } ]
  folderName                  string    Name of the folder to store Stimuli Vectors in. If the specified folder doesn't exists,
                                     it will be created with the given name. <br>If no folder is specified the default
                                     folder 'Default Stimuli Vectors' will be used.
  checkUnreachableProperties  boolean   Whether or not unreachable properties should be (re-)checked. <br>Default is
                                     'false'
  pllString                   string    PLL String for specific goals to be reached. Default is ':' which matches all goals.
                                     Use e.g. 'STM;D;CDC' to find stimuli vectors for statement, decision, and condition/
                                     decision coverage. Individual PLLs can be addressed by their specific label (e.g.
                                     'D:4:1'). Multiple PLLs can be concatenated using semicolon, e.g. 'D:4:1;C:2'. See
                                     the user guide for more information about the property location labels. <br>If this
                                     is null or empty, only the selected target definitions will be used. If in that case, the
                                     target definitions are empty, the default target definitions are used.

  engineSettings {
    The engine settings to use for this run.
    timeoutSeconds           integer    Global timeout (seconds) for the execution <br>Default is
                                     '-1' (unlimited)
    handlingRateThreshold    integer    After each scope is analyzed, the 'handled rate' of the entry scope
                                     (potentially including goals from subscopes) is checked against
                                     this threshold and the stimuli vector generation is stopped when it
                                     is reached. Allowed range are integers from [1, 100] (percent of
                                     handled goals). <br>Default: 100
    analyseSubScopesHierarchically  boolean  Enables / disables recursive analysis of subscopes. <br>Default is
                                     'true'

    engineAtg {
      The ATG engine. <br>Note: If neither ATG, nor CV engine is provided, both, ATG and CV are used together, using their default settings!
      name                  string      The name of the engine (heuristic). Currently, only 'ATG' is allowed.
                                     <br>Default is 'ATG'
      searchDepthSteps       integer    The search depth (number of SUT iterations) <br>Default is '20'
      executionMode          enum       ALLOWED:TOP_DOWN, BOTTOM_UP
                                     The search direction, bottom up or top down <br>Default is 'TOP_DOWN'
      mutateExistingVectors  boolean    Defines whether or not the Mutation Based ATG engine shall be used.
                                     <br>MATG requires existing vectors to produce new results. <br>Default
                                     is 'false'
      timeoutSecondsPerSubsystem integer  Timeout (seconds) per scope <br>Default is '300'
    }

    engineCv {
      The CV engine. <br>Note: If neither ATG, nor CV engine is provided, both, ATG and CV are used together, using their default settings!
      name                  string      The name of the engine (heuristic). Currently, only 'CV' is allowed.
                                     <br>Default is 'CV'
      searchDepthSteps       integer    The search depth (number of SUT iterations) <br>Default is '10'
      timeoutSecondsPerSubsystem integer  Timeout (seconds) per scope <br>Default is '-1' (unlimited)
      timeoutSecondsPerProperty integer  Timeout (seconds) per coverage property <br>Default is '60'
    }
  }
}
```

```

memoryLimitMb          integer  The maximum amount of system memory to use (MB) <br>Default is
                             '-1' (unlimited)
loopUnroll             integer  The number of internal loop unwindings for potentially unbounded loops
                             within each SUT iteration. <br>Default is '50'

coreEngines [{
  Array of object: The core engines to use <br>Note: If no core engine is provided, all core engines are used by default!
    name*  enum  ALLOWED:SMIBMC, VIS, AUTOFXP, CBMC, ISAT
              The name of the core engine.If no core engine is provided, all core engines are used by default!
}]
assumptionCheckEnabled  boolean  Whether or not core engines are allowed to explicitly checkthe
                             satisfiability of the selected assumptions. <br>Default is 'true'
searchFocus            enum      ALLOWED:BALANCED, REACHABLE, UNREACHABLE
                             The search focus of the core engines. <br>Default is 'BALANCED'
parallelExecutionMode   enum      ALLOWED:BALANCED, ENGINES, GOALS
                             The mode used for the parallel engine execution.If maximum number of
                             threads used is 1, the value of this parameter is not used (instead the
                             default value BALANCED will be used).

maximumNumberOfThreads  integer  The maximum number of threads available for parallel engine execution
                             for core engines. Valid values are between 1 and available number of
                             cores. It is possible to set this parameter to a value of -1, which will
                             compute the number of threads automatically as half of the available
                             number of cores. <br>Default is '1'

}
allowDenormalizedFloats  boolean  Whether or not the engine may produce denormalized floats.
                             <br>Default is 'true'
}
scopeUid*               string   The UID of the entry scope to use for this run.
assumptions [{
  Array of object: The environmental assumptions to use for this run.
    id*  string  The Assumption UID.
}]
drivers [{
  Array of object: The drivers to use for this run.
    id*  string  The Driver source UID.
}]
initializationVectorUID  string   The UID of the RequirementBasedTestCase or B2BStimuliVector which shall be
                             used to initialize the engine
}

```

## RESPONSE

**STATUS CODE - 202:** Accepted

**RESPONSE MODEL - application/json**

```

{
  jobID  string  READ-ONLY
              The ID of a job.
}

```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**



# 10. DOMAIN CHECKS

Handle domain checks.

## 10.1 POST /ep/domain-checks-ranges

### Create domain checks ranges

Create the domain checks ranges for a scope and a list of signals. If the list of signals is not given, ranges for all signals of the scope will be created by default. The ranges can be created with some convenience functions applied (partitioned by a percent, with boundaries checks included or with invalid ranges checks included). Please note ALL domain checks ranges created via this service will overwrite any existing ranges for the given list of signals or for all signals (if no signal is specified).

### REQUEST

#### REQUEST BODY - application/json

```
{
  scopeUid*           string    The scope for which to create the domain checks ranges.
  signalUids          [string]  The list of signals for which to create the domain checks ranges. If no signal is
                                provided, ranges for all signals from the scope are created by default.
  applyBoundaryChecks boolean   Used for applying the boundary checks when creating the range. Can only be used
                                for applying boundary checks on a defined range, so it must be used only together
                                with one of the other options (either apply invalid ranges checks or partition ranges).
                                <br>Default is 'false'
  applyInvalidRangesChecks boolean Used for applying the invalid ranges checks when creating the range. <br>Default is
                                'false'
  percentage          integer    Percentage used for partitioning the range interval when creating the range. <br>If no
                                value is provided the domain check ranges will not be partitioned.
}
```

### RESPONSE

#### STATUS CODE - 200: OK

##### RESPONSE MODEL - text/plain

string

#### STATUS CODE - 400: Bad Request

##### RESPONSE MODEL - text/plain

string

#### STATUS CODE - 500: Internal server error

##### RESPONSE MODEL - text/plain

string

## 10.2 POST /ep/domain-checks-export

### Export domain check ranges

Export domain check ranges of the given scopeUid.

### REQUEST

#### REQUEST BODY - application/json

```
{
  scopeUid* string The scopeUid for which to export/import domain check ranges.
  filePath* string The file path used for exporting/importing domain check ranges. The directory path specified in the filePath must
                    already exist.
}
```



```
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET `/ep/progress?progress-id={progress-id}` using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

## 10.3 GET /ep/scopes/{scope-uid}/domain-check-details

### Get domain check details

Get domain check details for a scope. Some filters can be applied.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope, for which to retrieve the domain check details.

### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
useCase	enum ALLOWED: B2B, RBT	The use case for which to retrieve the domain check details. Possible values: B2B, RBT. If not provided, details are shown for B2B.
signalNames	array of string	The names of the signals for which to retrieve the domain check details. If not provided, the details for all signals are shown.
signalKinds	array of string ALLOWED: INPUT, OUTPUT, LOCAL, PARAMETER	The kinds of the signals for which to retrieve the domain check details. Possible values: INPUT, OUTPUT, LOCAL, PARAMETER. If not provided, the details will be shown for all kinds.
goalStates	array of string ALLOWED: COVERED, UNREACHABLE, UNKNOWN, ERROR, NOT_DEFINED	The status filter for domain check details. Possible values: COVERED, UNKNOWN, UNREACHABLE, ERROR. If not provided, the details will be shown for all status.

NAME	TYPE	DESCRIPTION
goalTypes	array of string ALLOWED: VALID, INVALID	The goal type filter for domain check details. Possible values: VALID, INVALID. If not provided, the details will be shown for all types.

## RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  name          string  READ-ONLY
                  The name of the signal for which domain check goals where created.
  kind          enum    READ-ONLY
                  ALLOWED:INPUT, OUTPUT, LOCAL, PARAMETER
                  The kind of the signal for which domain check goals where created.
  pll          string   PLL string of the domain check goal.
  range        string   The range of the domain check goal.
  goalType      enum    ALLOWED:VALID, INVALID
                  The type of the domain check goal.
  goalStatus    enum    ALLOWED:COVERED, UNREACHABLE, UNKNOWN, ERROR, NOT_DEFINED
                  The status of the domain check goal.
  comment      string   The comment of the domain check goal.
  coveringVectors [string] List of string vector names that cover the property.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 10.4 GET /ep/scopes/{scope-uid}/domain-checks-results

### Get domain checks results

Get the domain checks results for a scope. Using the use case option will display the results for SVs and RBTest Cases if B2B is used or only for RBTest Cases if RBT option is used. Also, the results can be requested either only for the invalid goal types and for the valid ones, or for all goal types.

## REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope for which to get the domain checks results.

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
useCase	enum ALLOWED: B2B, RBT	The use case for which to retrieve the domain check results. Possible values: B2B, RBT.Can be empty, in which case the results are shown for B2B use case.
goalTypes	array of string ALLOWED: VALID, INVALID	The goal type for which to retrieve the domain check results. Possible values: VALID, INVALID.Can be empty, in which case the results are shown for all goal types.

## RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  totalCountValid      string  READ-ONLY
                        The total number of valid range goals.
  coveredCountValid    string  READ-ONLY
                        The number of covered valid range goals.
  unreachableCountValid string  READ-ONLY
                        The number of unreachable valid range goals.
  errorCountValid      string  READ-ONLY
                        The number of erroneous valid range goals.
  handledCountValid    string  READ-ONLY
                        The number of handled valid range goals.
  unhandledCountValid  string  READ-ONLY
                        The number of unhandled valid range goals.
  coveredPercValid     string  READ-ONLY
                        The covered percentage for valid range goals.
  unreachablePercValid string  READ-ONLY
                        The unreachable percentage for valid range goals.
  errorPercValid       string  READ-ONLY
                        The error percentage for valid range goals.
  handledPercValid     string  READ-ONLY
                        The handled percentage for valid range goals.
  unhandledPercValid   string  READ-ONLY
                        The unhandled percentage for valid range goals.
  totalCountInvalid    string  READ-ONLY
                        The total number of invalid range goals.
  coveredCountInvalid  string  READ-ONLY
                        The number of covered invalid range goals.
  unreachableCountInvalid string  READ-ONLY
                        The number of unreachable invalid range goals.
  errorCountInvalid    string  READ-ONLY
                        The number of erroneous invalid range goals.
  handledCountInvalid  string  READ-ONLY
                        The number of handled invalid range goals.
  unhandledCountInvalid string  READ-ONLY
                        The number of unhandled invalid range goals.
  coveredPercInvalid   string  READ-ONLY
                        The covered percentage for invalid range goals.
  unreachablePercInvalid string  READ-ONLY
                        The unreachable percentage for invalid range goals.
  errorPercInvalid     string  READ-ONLY
                        The error percentage for invalid range goals.
  handledPercInvalid   string  READ-ONLY
                        The handled percentage for invalid range goals.
  unhandledPercInvalid string  READ-ONLY
                        The unhandled percentage for invalid range goals.
}
```

```
}
```

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

## 10.5 POST /ep/domain-checks

### Import domain check ranges

Import domain check ranges on the given scopeUid.

### REQUEST

**REQUEST BODY - application/json**

```
{
  scopeUid* string The scopeUid for which to export/import domain check ranges.
  filePath* string The file path used for exporting/importing domain check ranges. The directory path specified in the filePath must
                  already exist.
}
```

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
          The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

---

## 10.6 POST /ep/domain-check-comments

### Set domain check comments

Set the comments for the domain check ranges specified by the PLL of their corresponding domain check goal. To remove a comment for a given domain check goal, provide an empty string as a comment.

### REQUEST

REQUEST BODY - application/json

```
[{
```

Array of object:

```
  pll*      string  The PLL of the domain check goal for which to set the comment.
  comment*  string  The comment to set on the domain check goal with the given PLL.
}]
```

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - text/plain

string

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

# 11. EXECUTION CONFIGS

## 11.1 GET /ep/execution-configs

### Get all execution configs

Get all execution configs available in the profile.

### REQUEST

No request parameters

### RESPONSE

**STATUS CODE - 200:** OK

**RESPONSE MODEL - application/json**

```
{
  execConfigNames [string] List of the available execution kinds
}
```

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

---

# 12. EXECUTION RECORDS

Handle execution records.

## 12.1 GET /ep/execution-records/{execution-record-uid}

### Get an execution record

Get the requested execution record by UID.

#### REQUEST

##### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*execution-record-uid	string	Execution record UID

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

{		
uid	string	READ-ONLY The unique identifier (UID) of this object.
executionConfig*	string	The execution config name
name*	string	The execution record name
status	enum	ALLOWED:OK, WARNING, ERROR The status of execution record.Possible options: OK, WARNING, or ERROR.
folderName*	string	The folder name on which this execution record can be found.
length*	integer	The length of execution record source
scopeName*	string	The scope name of execution record
sourceName*	string	The name of execution record source
}		

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

## 12.2 DELETE /ep/execution-records/{execution-record-uid}

### Delete an execution record

Deletes the specified execution record.

#### REQUEST

##### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*execution-record-uid	string	The UID of the execution record to be deleted.

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 406:** Not acceptable

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

---

## 12.3 POST /ep/execution-records-export

### Export execution records

**<b>LONG RUNNING TASK</b>** Export single or multiple execution record(s) by providing the list of the execution records which will be exported, the export directory, the export format and a list of additional options for export.

## REQUEST

**REQUEST BODY - application/json**

```
{
  UIDs*           [string] List with the UIDs of the elements which will be exported
  exportDirectory* string   Directory where to export the elements
  exportFormat     enum     ALLOWED:MDF, EXCEL
                               The format of the exported execution records. (Default value: "MDF").
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```



STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 12.4 GET /ep/execution-records

### Get all execution records

Get all execution records available in the profile.

### REQUEST

No request parameters

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[ {
  Array of object:
    uid          string  READ-ONLY
                        The unique identifier (UID) of this object.
    executionConfig* string  The execution config name
    name*         string  The execution record name
    status        enum    ALLOWED:OK, WARNING, ERROR
                        The status of execution record.Possible options: OK, WARNING, or ERROR.
    folderName*   string  The folder name on which this execution record can be found.
    length*       integer The length of execution record source
    scopeName*    string  The scope name of execution record
    sourceName*   string  The name of execution record source
  } ]
```

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

## 12.5 POST /ep/execution-records

### Import execution records

Import multiple execution records by providing the path for each file.

### REQUEST

REQUEST BODY - application/json

```
{
  paths*          [string] The path to all execution record files you'd like to import. Supported formats are MDF,
```

kind*	string	MF4 and CSV. The simulation kind that was used for creating the execution records from the given files. Possible values: TL MIL, SL MIL, SIL, PIL or any external simulation kind. If the user defined folder option is not specified, the simulation kind will define the default folder where the execution records will be imported.
folderName	string	User defined execution records folder name. <b>If used, folderUID can not be used at the same time.</b>
folderUID	string	Existing user defined folder uid to import records. <b>If used, folderName can not be used at the same time.</b>
referenceExternalFile	boolean	Relevant only for MF4 and CSV import format. Whether to only reference the external file rather than importing the execution record in the profile. This would be recommended for very big execution records. Default is 'false'.
csvDelimiter	enum	<b>ALLOWED:SEMICOLON, COMMA, COLON, PIPE</b> Relevant only for CSV import format. It can have one of the following values: "SEMICOLON", "COMMA", "COLON", "PIPE". Default value is "SEMICOLON".

}

RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

RESPONSE MODEL - text/plain

string

12.6 GET /ep/folders/{folder-uid}/execution-records

Get all execution records for a folder

Get all the execution records for a given folder UID.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The folder UID from which to retrieve all execution records.

RESPONSE

**STATUS CODE - 200:** OK

## RESPONSE MODEL - application/json

```
[{
  Array of object:
    uid                string    READ-ONLY
                        The unique identifier (UID) of this object.
    executionConfig*   string
    name*              string    The execution config name
                        The execution record name
    status              enum      ALLOWED:OK, WARNING, ERROR
                        The status of execution record.Possible options: OK, WARNING, or ERROR.
    folderName*        string    The folder name on which this execution record can be found.
    length*            integer    The length of execution record source
    scopeName*         string    The scope name of execution record
    sourceName*        string    The name of execution record source
}]
```

STATUS CODE - 404: Not found

## RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

## RESPONSE MODEL - text/plain

string

## 12.7 PUT /ep/folders/{folder-uid}/execution-records

### Move a list of execution records to a folder

Moves the list of execution records to the requested user-defined execution record folder.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The UID of user-defined execution record folder.

### REQUEST BODY - application/json

```
{
  UUIDs* [string]  UUIDs of execution records to be moved.
}
```

## RESPONSE

STATUS CODE - 200: OK

## RESPONSE MODEL - application/json

```
[{
  Array of object:
    uid                string    READ-ONLY
                        The unique identifier (UID) of this object.
    executionConfig*   string
    name*              string    The execution config name
                        The execution record name
    status              enum      ALLOWED:OK, WARNING, ERROR
                        The status of execution record.Possible options: OK, WARNING, or ERROR.
    folderName*        string    The folder name on which this execution record can be found.
    length*            integer    The length of execution record source
}]
```

```

    scopeName*      string    The scope name of execution record
    sourceName*     string    The name of execution record source
  }]
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

## 12.8 GET /ep/scopes/{scope-uid}/execution-records

### Get all execution records for a scope

Get all the execution records for the given scope UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The scope UID from which to retrieve all execution records.

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```

[ {
  Array of object:
    uid                string    READ-ONLY
                                The unique identifier (UID) of this object.
    executionConfig*   string    The execution config name
    name*              string    The execution record name
    status              enum      ALLOWED:OK, WARNING, ERROR
                                The status of execution record.Possible options: OK, WARNING, or ERROR.
    folderName*        string    The folder name on which this execution record can be found.
    length*            integer    The length of execution record source
    scopeName*         string    The scope name of execution record
    sourceName*        string    The name of execution record source
  }]
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain



# 13. FOLDERS

Handle folders.

## 13.1 GET /ep/folders

### Get a list of folders

Get a list of folders by name and/or kind.

### REQUEST

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
name	string	Enter the name of the folder you would like to search for. If null, then all folders will be returned.
kind	enum ALLOWED: RB_TEST_CASE, EXECUTION_RECORD, STIMULI_VECTOR	Enter the folder kind. If null, then all folder kinds will be returned.

### RESPONSE

#### STATUS CODE - 200: OK

##### RESPONSE MODEL - application/json

```
[ {  
  Array of object:  
    uid          string  READ-ONLY  
                        The unique identifier (UID) of this object.  
    name*        string  The name of the folder.  
    kind*        string  The folder kind.  
    isDefault*   boolean Set to 'true' if it is a default folder.  
  } ]
```

#### STATUS CODE - 400: Bad request

##### RESPONSE MODEL - text/plain

string

#### STATUS CODE - 404: Not found

##### RESPONSE MODEL - text/plain

string

#### STATUS CODE - 500: Internal server error

##### RESPONSE MODEL - text/plain

string

## 13.2 POST /ep/folders

### Create a folder

Add a folder by providing a folder kind and optionally a folder name. Note that a new UID will be assigned.

### REQUEST

REQUEST BODY - application/json

```
{
  folderKind* string The folder kind. Possible: "RB_TEST_CASE", "EXECUTION_RECORD", "STIMULI_VECTOR"
  folderName  string The folder name. This parameter is optional
}
```

RESPONSE

STATUS CODE - 201: Created

RESPONSE MODEL - application/json

```
{
  uid          string  READ-ONLY
                  The unique identifier (UID) of this object.
  name*        string  The name of the folder.
  kind*        string  The folder kind.
  isDefault*   boolean Set to 'true' if it is a default folder.
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

```
string
```

13.3 DELETE /ep/folders/{folder-uid}

Delete a folder

Delete a folder by providing its UID.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	Enter the UID of the folder you would like to delete.

RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain





# 14. FORMAL SPECIFICATION REPORTS

## Formal Specification Reports

### 14.1 GET /ep/formal-specification-reports

#### Get all reports

Get all formal specification reports from the profile.

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[ {  
  Array of object:  
    uid          string  READ-ONLY  
                        The unique identifier (UID) of this object.  
    reportName   string  Name of the report.  
    reportType   string  Type of the report.  
  } ]
```

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

### 14.2 POST /ep/formal-specification-reports

#### Create a formal specification report

Create a formal specification report on a list of formal specification UID's.

#### REQUEST

REQUEST BODY - application/json

```
{  
  UUIDs* [string] List with unique identifiers of the objects.  
}
```

#### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

RESPONSE MODEL - application/json

```
{  
  jobID string  READ-ONLY  
          The ID of a job.  
}
```

STATUS CODE - 400: Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403: Forbidden**

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500: Internal server error**

**RESPONSE MODEL - text/plain**

string

---

# 15. FORMAL SPECIFICATIONS

Handle Formal Specifications.

## 15.1 GET /ep/environmental-assumptions

### Get all environmental assumptions

Get all environmental assumptions present on active profile, or from the specified scope-uid.

#### REQUEST

##### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
scope-uid	string	The UID of scope from which to get the environmental assumptions.

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  Array of object:
    uid          string  READ-ONLY
                      The unique identifier (UID) of this object.
    name*        string
    description* string
    scopeUID*    string  The unique identifier (UID) of the scope this object belongs to.
    draft        string
    errors       [string] List of errors
}]
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 15.2 GET /ep/formal-requirements

### Get all formal requirements

Get all formal requirements from the profile, or from the specified scope-uid.

#### REQUEST

##### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
scope-uid	string	The UID of scope from which to get the formal requirements.

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[ {  
  Array of object:  
    uid          string    READ-ONLY  
                        The unique identifier (UID) of this object.  
    name*        string    The name of the formal requirement.  
    description* string    The description of the formal requirement.  
    scopeUID*    string    The unique identifier (UID) of the scope this object belongs to.  
    draft        string    States whether or not the FormalRequirement is in Draft-Mode.  
    errors       [string]  List of errors  
  } ]
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

15.3 GET /ep/formal-requirements/{formal-requirement-uid}/environmental-assumptions

Get all environmental assumptions from a formal requirement

Use this command to retrieve the environmental assumptions from a formal requirement.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*formal-requirement-uid	string	The uid of the formal requirement for which all environmental assumptions should be returned.

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[ {  
  Array of object:  
    uid          string    READ-ONLY  
                        The unique identifier (UID) of this object.  
    name*        string    The name of the environmental assumption.  
    description* string    The description of the environmental assumption.  
    scopeUID*    string    The unique identifier (UID) of the scope this object belongs to.  
    draft        string    States whether or not the FormalRequirement is in Draft-Mode.  
    errors       [string]  List of errors  
  } ]
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

## 15.4 POST /ep/specifications-export

### Export a SPEC file

<b>Long running task</b> Exports the given formal specifications belonging to the same scope to the specified SPEC file.

### REQUEST

REQUEST BODY - application/json

```
{
  specFile*           string  The file name of the target SPEC file. Should have .spec extension.
  archUid             string  The architecture UID to define the interface names. If specified, the SPEC file will use
                              the interface and expression names based on the interfaces and signals defined in the
                              given architecture.If not specified, the first imported architecture is used for the name
                              space.
  formalSpecificationUids* [string] A list of uids of formal requirements or environmental assumptions to export. Note:
                              The formal requirements / environmental assumptions must reside on the same scope!
}
```

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 15.5 POST /ep/specifications-import

### Import a SPEC file

Imports formal specifications from the specified SPEC file. **Long running task** Specify artifact existing policy, one of EXTEND\_NAME, OVERWRITE, or SKIP. By default it will be used 'EXTEND\_NAME'.

### REQUEST

#### REQUEST BODY - application/json

```
{
  specPath*   string  The path of the given SPEC file. Should have .spec extension.
  scopeId     string  The scopeld to use, when scope definition in SPEC file is invalid. This can happed for two reasons, the first is
                      that in the SPEC file, the component(scope) name is invalid and can not be found in the opened profile, or when
                      the given component(scope) name in the SPEC file is not unique within current profile.e.g. a TL architecture
                      scope name is unique to the one in the generated CCode.

  isDraft     boolean The draft status setting for the formal requirements that will be imported. By default its value is false.
  optionParam enum    ALLOWED:EXTEND_NAME, OVERWRITE, SKIP
                      The options of importing a SPEC file, when the artifacts already exists. If no value is provided, 'EXTEND_NAME'
                      is used.
}
```

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

---

# 16. FORMAL TEST EXECUTION

Execute Formal Test.

## 16.1 POST /ep/execute-formal-test

### Execute formal tests

**Long running task** Execute formal test for all not yet existing or outdated results.

### REQUEST

No request parameters

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

# 17. FORMAL TEST REPORTS

Create and get formal test reports.

## 17.1 POST /ep/formal-requirements/{formal-requirement-uid}/formal-test-reports

### Create a report on a formal requirement

Create a formal test report on a formal requirement for the given execution configurations.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*formal-requirement-uid	string	The formal requirement UID for which the formal test report is created.

#### REQUEST BODY - application/json

```
{
  executionConfigNames* [string]
}
```

The comma separated list of execution configurations for which the Formal Test report shall be created. It can include values like "TL MIL", "SIL" etc. Please keep the specified format when you want to introduce a value.

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
  The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string



## 17.2 POST /ep/formal-requirements/formal-test-reports

### Create a report on a list of formal requirements

Create a formal test report on on a list of formal requirements for the given execution configurations.

#### REQUEST

REQUEST BODY - application/json

```
{
  UUIDs* [string] List with unique identifiers of the objects.
  executionConfigInfo {
    executionConfigNames* [string] The comma separated list of execution configurations for which the Formal Test report
    shall be created. It can include values like "TL MIL", "SIL" etc. Please keep the specified
    format when you want to introduce a value.
  }
}
```

#### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

RESPONSE MODEL - text/plain

```
string
```

**STATUS CODE - 403:** Forbidden

RESPONSE MODEL - text/plain

```
string
```

**STATUS CODE - 500:** Internal server error

RESPONSE MODEL - text/plain

```
string
```

## 17.3 POST /ep/requirements-sources/{requirements-source-uid}/formal-test-reports

### Create a report on a requirements source

Create a formal test report on a requirements source for the given execution configurations.

#### REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*requirements-source-uid	string	The requirements source UID for which the formal test report is created.

REQUEST BODY - application/json

```
{
  executionConfigNames* [string] The comma separated list of execution configurations for which the Formal Test report shall
                             be created. It can include values like "TL MIL", "SIL" etc. Please keep the specified format
                             when you want to introduce a value.
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 17.4 POST /ep/requirements-sources/formal-test-reports

### Create a report on a list of requirements sources

Create a formal test report on on a list of requirements sources for the given execution configurations.

## REQUEST

**REQUEST BODY - application/json**

```
{
  UIDs* [string] List with unique identifiers of the objects.
  executionConfigInfo {
    executionConfigNames* [string] The comma separated list of execution configurations for which the Formal Test report
                                   shall be created. It can include values like "TL MIL", "SIL" etc. Please keep the specified
                                   format when you want to introduce a value.
  }
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad request

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

#### RESPONSE MODEL - text/plain

string

## 17.5 POST /ep/scopes/{scope-uid}/formal-test-reports

### Create a report on a scope

Create a formal test report on a scope for the given execution configurations.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The scope UID for which the formal test report is created.

### REQUEST BODY - application/json

```
{
  executionConfigNames* [string] The comma separated list of execution configurations for which the Formal Test report shall
                             be created. It can include values like "TL MIL", "SIL" etc. Please keep the specified format
                             when you want to introduce a value.
}
```

## RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the [<a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad request

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 17.6 POST /ep/scopes/formal-test-reports

### Create a report for a list of scopes

Create a formal test report on a list of scopes for the given execution configurations.

### REQUEST

REQUEST BODY - application/json

```
{
  UUIDs* [string] List with unique identifiers of the objects.
  executionConfigInfo {
    executionConfigNames* [string] The comma separated list of execution configurations for which the Formal Test report
    shall be created. It can include values like "TL MIL", "SIL" etc. Please keep the specified
    format when you want to introduce a value.
  }
}
```

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY The ID of a job.
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 17.7 GET /ep/formal-test-reports

**Get all reports**

Retrieve all the Formal Test reports from the profile.

**REQUEST**

No request parameters

**RESPONSE**

**STATUS CODE - 200: OK**

**RESPONSE MODEL - application/json**

```
[ {  
  Array of object:  
    uid          string  READ-ONLY  
                        The unique identifier (UID) of this object.  
    reportName   string  Name of the report.  
    reportType   string  Type of the report.  
  } ]
```

**STATUS CODE - 500: Internal server error.**

**RESPONSE MODEL - text/plain**

string

---

# 18. FORMAL VERIFICATION REPORTS

Create Formal Verification reports.

## 18.1 POST /ep/scopes/{scope-uid}/formal-verification-reports

Create a formal verification report on given scopeUid.

Create a formal verification report on given scope-uid which is found on this active profile. If multiple architectures for report creation are preset, the architecture-uid query parameter must be specified.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope.

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
architecture-uid	string	The UID of the architecture on which the report to be created.  If there are multiple valid architectures, but no architecture is specified, the C-Code architecture is used as a default.

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

```
string
```

## 18.2 GET /ep/formal-verification-reports

### Get all reports

Get all formal verification reports from the profile.

### REQUEST

No request parameters

### RESPONSE

**STATUS CODE - 200:** OK

**RESPONSE MODEL - application/json**

```
[ {  
  Array of object:  
    uid          string  READ-ONLY  
                        The unique identifier (UID) of this object.  
    reportName   string  Name of the report.  
    reportType   string  Type of the report.  
  } ]
```

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

---

# 19. INPUT RESTRICTIONS

## 19.1 POST /ep/input-restrictions-export

### Export input restrictions

Export input restrictions to a file

#### REQUEST

REQUEST BODY - application/json

```
{
  filePath* string The file containing input restrictions.
}
```

#### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 19.2 POST /ep/input-restrictions-import

### Import input restrictions

Import input restrictions from a file

#### REQUEST

REQUEST BODY - application/json

```
{
  filePath* string The file containing input restrictions.
}
```

#### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the [Progress](#)



href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
    The ID of a job.
}
```

**STATUS CODE - 400: Bad Request**

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403: Forbidden**

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500: Internal server error**

**RESPONSE MODEL - text/plain**

string

---

# 20. INTERFACE REPORTS

Handle interface reports.

## 20.1 POST /ep/scopes/{scope-uid}/interface-reports

### Create a report on a scope

Create an interface report on given scope. The interface report will use the interface of the architecture of the provided scope.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The scope on which the interface report should be created. The interface report will use the interface of the architecture of the provide scope.

### RESPONSE

STATUS CODE - 201: Created

RESPONSE MODEL - application/json

```
{
  uid          string READ-ONLY
                The unique identifier (UID) of this object.
  reportName   string Name of the report.
  reportType   string Type of the report.
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

```
string
```

## 20.2 GET /ep/interface-reports

### Get all reports

Retrieve all interface reports from the profile.

### REQUEST

No request parameters

### RESPONSE

**STATUS CODE - 200: OK**

**RESPONSE MODEL - application/json**

```
[{  
  Array of object:  
    uid      string  READ-ONLY  
                        The unique identifier (UID) of this object.  
    reportName string  Name of the report.  
    reportType string  Type of the report.  
}]
```

**STATUS CODE - 404: Not found**

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500: Internal server error.**

**RESPONSE MODEL - text/plain**

string

---

# 21. MATLAB SCRIPT EXECUTION

Execute a MATLAB script.

## 21.1 POST /ep/execute-long-matlab-script

### Execute long-running MATLAB script

Execute a long-running MATLAB script using the given parameters. Should be used when the time it takes for the script to end is longer than the request timeout of your REST client. Otherwise, for ease of use, the **Execute a short-running MATLAB script** method should be utilized.

### REQUEST

#### REQUEST BODY - application/json

```
{
  scriptName*           string           MATLAB script name.
  outArgs*              integer          Number of output arguments to return. Exception will be thrown
                                     if the given m-script returns less arguments.

  inArgs* [ {
    Array of object: Parameters of the MATLAB script. The order in the list can be important, dependent of the executed m-script. The parameters will
    be received in the MATLAB script as follows: primitive types will be converted into their MATLAB equivalents, JSON arrays will be converted into
    cell arrays, JSON objects will be converted into MATLAB structures.
  } ]
}
```

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
                                     The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

## 21.2 POST /ep/execute-short-matlab-script

### Execute short-running MATLAB script

Execute a short-running MATLAB script using the given parameters. If the time it takes for the script to end is longer than the request timeout of your REST client, this request may fail. In this scenario the **Execute a long-running MATLAB script** method should be used.

### REQUEST

#### REQUEST BODY - application/json

```
{
```

<b>scriptName*</b>	string	MATLAB script name.
<b>outArgs*</b>	integer	Number of output arguments to return. Exception will be thrown if the given m-script returns less arguments.
<b>inArgs* [{</b>		
Array of object: Parameters of the MATLAB script. The order in the list can be important, dependent of the executed m-script. The parameters will be received in the MATLAB script as follows: primitive types will be converted into their MATLAB equivalents, JSON arrays will be converted into cell arrays, JSON objects will be converted into MATLAB structures.		
<b>}]</b>		
<b>}</b>		

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  outArgs [{
    Array of object: Output objects of the MATLAB script. The objects returned from the script must be primitive types, cell arrays or structures.
  }]
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 22. MESSAGES

Handle messages and message markers.

### 22.1 POST /ep/message-markers

#### Create a message marker

Use this command to create a new message marker at the current time. The response will contain the created message marker time stamp as java Timestamp

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 201: Created

RESPONSE MODEL - application/json

```
{
  date string READ-ONLY
    The date when the marker was set.
}
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

### 22.2 GET /ep/message-markers/{marker-date}/messages

#### Get a list of messages from a message marker

Search for messages created after a given message marker.

#### REQUEST

##### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*marker-date	string	The message marker after which the messages should be queried from the Database.

##### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
search-string	string	Enter the beginning of the messages you would like to search for. If null, then all messages will be returned.
severity	enum ALLOWED: INFO, WARNING, ERROR, CRITICAL	Choose any severity you would like to search for. If null, then all severities will be returned.

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  Array of object:
    uid      string  READ-ONLY
                  The unique identifier (UID) of this object.
    date      string  READ-ONLY
                  The creation-date of the message.
    message*  string  The message itself.
    hint      string  An additional hint.
    severity* enum    ALLOWED:INFO, WARNING, ERROR, CRITICAL
                  The severity of the message.
}]
```

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 22.3 GET /ep/messages

### Get a list of messages

Search for past messages up until a certain amount you can set yourself.

## REQUEST

### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
search-string	string	Enter the beginning of the messages you would like to search for. If null, then all messages will be returned. Furthermore, you may use the following wildcards: '*' for any string, '?' for any single character.
severity	enum ALLOWED: INFO, WARNING, ERROR, CRITICAL	Choose any severity you would like to search for. If null, then all severities will be returned.
max-messages	int32	The maximum number of messages returned. Cannot be > 1000. If > 1000, negative, or null, at most 1000 messages will be returned.

## RESPONSE

**STATUS CODE - 200:** OK

**RESPONSE MODEL - application/json**

```
[{
  Array of object:
    uid      string  READ-ONLY
                  The unique identifier (UID) of this object.
    date      string  READ-ONLY
                  The creation-date of the message.
    message*  string  The message itself.
    hint      string  An additional hint.
    severity* enum    ALLOWED:INFO, WARNING, ERROR, CRITICAL
```

The severity of the message.

```
}]
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 22.4 POST /ep/messages

### Create a message

Add a message by providing a Message. Note that a new UID will be assigned.

### REQUEST

**REQUEST BODY - application/json**

```
{
  uid          string  READ-ONLY
                  The unique identifier (UID) of this object.
  date         string  READ-ONLY
                  The creation-date of the message.
  message*    string   The message itself.
  hint        string   An additional hint.
  severity*   enum     ALLOWED:INFO, WARNING, ERROR, CRITICAL
                  The severity of the message.
}
```

### RESPONSE

**STATUS CODE - 201:** Created

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 22.5 DELETE /ep/messages

### Delete a list of messages

Search for past messages up until a certain amount you can set yourself and delete them.

### REQUEST

**QUERY PARAMETERS**

NAME	TYPE	DESCRIPTION
search-string	string	Enter the beginning of the messages you would like to search for. If null, then all messages will be deleted.



NAME	TYPE	DESCRIPTION
severity	enum ALLOWED: INFO, WARNING, ERROR, CRITICAL	Choose any severity you would like to search for. If null, then all severities will be deleted.
max-messages	int32	The max number of messages deleted. If negative or null, all messages will be deleted.

## RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 22.6 GET /ep/messages/{message-uid}

### Get a message

Get the message with the provided UID.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*message-uid	string	The UID of the message to be returned.

## RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  uid          string READ-ONLY
                The unique identifier (UID) of this object.
  date         string READ-ONLY
                The creation-date of the message.
  message*    string  The message itself.
  hint        string  An additional hint.
  severity*   enum    ALLOWED:INFO, WARNING, ERROR, CRITICAL
                The severity of the message.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 22.7 DELETE /ep/messages/{message-uid}

### Delete a message

Delete a message by providing its UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*message-uid	string	Enter the UID of the message you would like to delete.

### RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

## 22.8 POST /ep/messages/message-report

### Export messages

Export all messages to the specified report file (in HTML format).

If a [Message Marker](#post-/ep/message-markers) is provided, all messages starting from the marker will be exported.

### REQUEST

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*file-name	string	The path and file name of the message report file to create. Note: An existing file will be overwritten!
marker-date	string	If specified, only messages that were posted after this <a href="#post-/ep/message-markers">Message Marker</a> was created will be exported.

### RESPONSE

STATUS CODE - 201: Exported Successfully. Returns exported report location.

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

# 23. MODEL COVERAGE REPORTS

Creates RBT or B2B model coverage reports.

## 23.1 POST /ep/folders/{folder-uid}/model-coverage-reports

### Create a report for a folder

Long running task Create RBT or B2B model coverage report for given folder.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The folder UID for which to create the model coverage report.

#### REQUEST BODY - application/json

{			
type*	enum	ALLOWED:RBT, B2B	Specifies the testing use-case for which the model coverage report should be created. Must be 'B2B' or 'RBT' for Back-to-back testing or Requirement based test, respectively.
simulationKind*	string		Specifies the simulation mode: 'SL MIL', 'TL MIL' or 'TL MIL (EV)'
useShortCircuitLogic	boolean		Specifies if short circuit logic should be used for Simulink blocks.  The parameter is optional. If not provided, the current setting from EP is used.
coverageFiltersFolder	string		Specifies if the coverage filters from the mentioned folder should be used during model coverage. The folder path can be specified as an absolute or relative path. The relative path is resolved in the same location as the underlying model. If an empty string is provided, coverage filters from folder 'slcov_output/<model_name>' in the same location as the underlying model are used. The parameter is optional. If not provided, the current setting from EP is used.
}			

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

{		
jobID	string	READ-ONLY The ID of a job.
}		

STATUS CODE - 400: Bad request

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 23.2 POST /ep/folders/model-coverage-reports

### Create a report for a list of folders

<b>Long running task</b> Create RBT or B2B model coverage report for a list of folders. <br>In the RBT use-case, RBTTestCases from the folders will be used to generate the report. <br>In the B2B use-case, RBTTestCases and Stimuli-Vectors from the folders will be used to generate the report.

### REQUEST

REQUEST BODY - application/json

```
{
  type*                enum      ALLOWED:RBT, B2B
                        Specifies the testing use-case for which the model coverage report should be
                        created.<br>Must be 'B2B' or 'RBT' for Back-to-back testing or Requirement based test,
                        respectively.

  simulationKind*       string    Specifies the simulation mode: 'SL MIL', 'TL MIL' or 'TL MIL (EV)'

  useShortCircuitLogic  boolean   Specifies if short circuit logic should be used for Simulink blocks. <br>The parameter is
                        optional. If not provided, the current setting from EP is used.

  coverageFiltersFolder string    Specifies if the coverage filters from the mentioned folder should be used during model
                        coverage.<br>The folder path can be specified as an absolute or relative path.<br>The
                        relative path is resolved in the same location as the underlying model.<br>If an empty
                        string is provided, coverage filters from folder 'slcov_output/<model_name>' in the same
                        location as the underlying model are used.<br>The parameter is optional. If not provided,
                        the current setting from EP is used.

  folderUIDs*          [string]  The comma separated list of folder UUIDs for which the model coverage report shall be
                        created.
}
```

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 23.3 POST /ep/scopes/{scope-uid}/model-coverage-reports

### Create a report for a scope

<b>Long running task</b> Create RBT or B2B model coverage report on given scope.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The scope UID for which to create the model coverage report.

#### REQUEST BODY - application/json

{			
type*	enum	ALLOWED:RBT, B2B	Specifies the testing use-case for which the model coverage report should be created. Must be 'B2B' or 'RBT' for Back-to-back testing or Requirement based test, respectively.
simulationKind*	string		Specifies the simulation mode: 'SL MIL', 'TL MIL' or 'TL MIL (EV)'
useShortCircuitLogic	boolean		Specifies if short circuit logic should be used for Simulink blocks.  The parameter is optional. If not provided, the current setting from EP is used.
coverageFiltersFolder	string		Specifies if the coverage filters from the mentioned folder should be used during model coverage. The folder path can be specified as an absolute or relative path. The relative path is resolved in the same location as the underlying model. If an empty string is provided, coverage filters from folder 'slcov_output/<model_name>' in the same location as the underlying model are used. The parameter is optional. If not provided, the current setting from EP is used.
}			

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

{
jobID string READ-ONLY
The ID of a job.
}

**STATUS CODE - 400:** Bad request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

RESPONSE MODEL - text/plain

string

---

## 23.4 GET /ep/model-coverage-reports

### Get a list of reports

Retrieve all model coverage reports of the specified testing use-case from the profile.

### REQUEST

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
coverage-type	enum ALLOWED: RBT, B2B	The model coverage testing use-case.

---

### RESPONSE

#### STATUS CODE - 200: OK

##### RESPONSE MODEL - application/json

```
[ {  
  Array of object:  
    uid          string  READ-ONLY  
                        The unique identifier (UID) of this object.  
    reportName   string  Name of the report.  
    reportType   string  Type of the report.  
  } ]
```

#### STATUS CODE - 404: Not found

##### RESPONSE MODEL - text/plain

string

#### STATUS CODE - 500: Internal server error.

##### RESPONSE MODEL - text/plain

string

---

# 24. PREFERENCES

Set and retrieve preferences.

## 24.1 GET /ep/preferences/{preference-name}

### Get a preference

Get the preference with a given name. If the retrieved value is empty, the preference might have its default value.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*preference-name	string	Enter the name of the preference that you want retrieved.

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  preferenceName*  string  The name of the preference.
  preferenceValue* string  The value of the preference.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

```
string
```

## 24.2 PUT /ep/preferences

### Set a list of preferences

Set new values for a list of given preferences. The preference name and new value must be provided for each of them.

### REQUEST

REQUEST BODY - application/json

```
[{
  preferenceName*  string  The name of the preference.
  preferenceValue* string  The value of the preference.
}]
```

### RESPONSE

STATUS CODE - 200: Preferences set

RESPONSE MODEL - application/json



```
{  
  messages [string]  
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

## 25. PROFILES

Create and handle EP Profiles.

### 25.1 GET /ep/profiles

#### Get the active profile

Use this command to get the currently active profile.

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  uid    string    READ-ONLY
           The unique identifier (UID) of this object.
  metadata* {
    The metadata containing all relevant info about the profile.
  }
  profilePath {
    path string    The location where the profile is stored.
  }
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

### 25.2 PUT /ep/profiles

#### Save the profile

Use this command to save your active profile at a given location. Keep in mind to use only legal profile paths.

#### REQUEST

REQUEST BODY - application/json

```
{
  path string    The location where the profile is stored.
}
```

#### RESPONSE

STATUS CODE - 201: Created

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

## 25.3 POST /ep/profiles

### Create a profile

Use this command to create a new empty profile. It won't contain a path, since it's not stored anywhere yet.

### REQUEST

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
discardCurrentProfile	boolean	If 'true' the current profile is discarded and a new profile will be created. Otherwise a new profile will only be created when the current profile is not in a dirty state.Default is 'false'

### RESPONSE

STATUS CODE - 201: Created

RESPONSE MODEL - application/json

```
{
  uid    string    READ-ONLY
              The unique identifier (UID) of this object.
  metadata* {
    The metadata containing all relevant info about the profile.
  }
  profilePath {
    path    string  The location where the profile is stored.
  }
}
```

STATUS CODE - 428: Precondition Required

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 25.4 DELETE /ep/profiles

### Discard a profile

Use this command to discard a profile, even if it is dirty. Changes will not be saved!

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

25.5 GET /ep/profiles/{profile-path}

Open a profile

Use this command to open an existing profile. Specify the path to the profile with a name of your choice. Keep in mind to only use legal profile paths of already existing profiles.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*profile-path	string	The path to the existing profile.

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
discardCurrentProfile	boolean	If 'true' the current profile is discarded and a new profile will be created. Otherwise a new profile will only be created when the current profile is not in a dirty state.Default is 'false'

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  uid    string    READ-ONLY
              The unique identifier (UID) of this object.
  metadata* {
    The metadata containing all relevant info about the profile.
  }
  profilePath {
    path string    The location where the profile is stored.
  }
}
```

STATUS CODE - 400: Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 428:** Precondition Required

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

# 26. PROGRESS

Get the current status of long-running operations.

## 26.1 GET /ep/progress

### Get the status of a long running operation

Get the status of a long running operation. If the operation is on-going, the current progress will be returned. If the operation is complete, the resulted object will be returned if there is one. An error will be returned if it occurred during the long-running operation.

### REQUEST

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
progress-id	string	The progress id. Can be retrieved by starting a long-running operation. If not specified then last long running operation result will be returned.

### RESPONSE

STATUS CODE - 200: Operation is complete. No resulting object is returned.

#### RESPONSE MODEL - application/json

```
{
  message string
  progress integer
  result {
  }
}
```

STATUS CODE - 201: Operation is complete. Resulting object is returned as JSON.

#### RESPONSE MODEL - application/json

```
{
  message string
  progress integer
  result {
  }
}
```

STATUS CODE - 202: Operation is currently in progress

#### RESPONSE MODEL - application/json

```
{
  message string
  progress integer
  result {
  }
}
```

STATUS CODE - 400: Bad request

#### RESPONSE MODEL - text/plain

```
string
```

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

`string`

**STATUS CODE - 500:** Internal server error

---

# 27. PROJECT REPORTS

Create and retrieve project reports.

## 27.1 POST /ep/scopes/{scope-uid}/project-report

### Create a project report

Create a project report.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope for which the report shall be created.

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
template-name	string	The name of the template to use for report creation.  This can be either the full path and filename of a template file to use, or the name of a template that was provided to EP by setting the template folder via the preference REPORT_TEMPLATE_FOLDER   If no template is given, all available data will be included.

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

## 27.2 GET /ep/project-reports

### Get all project reports

Retrieve all project reports from the profile.



REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  Array of object:
    uid          string  READ-ONLY
                        The unique identifier (UID) of this object.
    reportName    string  Name of the report.
    reportType    string  Type of the report.
}]
```

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

## 28. PROOFS

Create, verify and execute proofs.

### 28.1 GET /ep/proofs/{proofUID}

#### Get a proof based on given proofUID

Get a proof based on given proofUID found on the active profile.

#### REQUEST

##### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*proofUID	string	The UID of the proof.

#### RESPONSE

STATUS CODE - 200: OK

##### RESPONSE MODEL - application/json

```
{
  uid                                string                                READ-ONLY
                                     The unique identifier (UID) of this object.
  name                              string                                Name of the proof.
  description                        string                                Description of the proof.
  formalRequirementName             string                                Name of the formal requirement used by
                                     this proof.
  proofSettings {
    The proof settings object. If not provided, default settings will be used.
    timeoutSeconds                  integer    The timeout in seconds, i.e. the limit on how long this proof execution may run.
                                             Non-positive numbers (<= 0) are interpreted as infinity (i.e. no timeout has been
                                             specified). Default is infinity.
    memoryLimit                     integer    The memory limit in MB. Valid values are <= 0 (to denote infinity) or any positive
                                             integer >= 500 to set a positive memory limit. Default is infinity.
    maxNumberOfThreads              integer    DEPRECATED
                                             <b>Deprecated:</b> Will only have an effect if called with the deprecated
                                             "Execute a proof". The maximum number of parallel threads for the proof
                                             execution. Valid values are between 1 and available number of cores. <br>It is
                                             possible to set this parameter to a value of -1, which will compute the number of
                                             threads automatically as half of the available number of cores.
    maximumSearchDepth              integer    The maximum search depth, which is the number of unwindings of the main
                                             function. Non-positive numbers (<= 0) are interpreted as infinity. Default is
                                             infinity.
    maximumLoopUnroll               integer    The maximum number of unwindings for internal loops. Non-positive numbers
                                             (<= 0) are interpreted as infinity. Default is 32.
    resultExpectation               enum      ALLOWED:FULFILLED, VIOLATED, UNKNOWN
                                             The expected result for the proof's execution. Default is 'unknown'
    engines [{
      Array of object: The engines of the proof execution.
      name*    enum      ALLOWED:SMIBMC, VIS, AUTOFXP, CBMC, ISAT
                                     The name of the engine.
      enabled  boolean    Whether or not this engine should be considered. Default is true
    }]
    isAllowAssumption               boolean    Whether or not assumption check is allowed. Default is true.
    useLocalInputRestriction        boolean    Whether or not the proof uses local input restrictions. Default is false.
    performReachabilityCheck        boolean    Whether or not reachability check should be performed. Default is false.
  }
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 28.2 PUT /ep/proofs/{proofUID}

### Apply proof settings

Apply proof settings on given proofUID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*proofUID	string	The ID of the proof.

#### REQUEST BODY - application/json

```
{
  // The proof settings object. If not provided, default settings will be used.
  timeoutSeconds integer The timeout in seconds, i.e. the limit on how long this proof execution may run. Non-
    positive numbers (<= 0) are interpreted as infinity (i.e. no timeout has been specified).
    Default is infinity.
  memoryLimit integer The memory limit in MB. Valid values are <= 0 (to denote infinity) or any positive integer
    >= 500 to set a positive memory limit. Default is infinity.
  maxNumberOfThreads integer DEPRECATED
    <b>Deprecated:</b> Will only have an effect if called with the deprecated "Execute a
    proof". The maximum number of parallel threads for the proof execution. Valid values are
    between 1 and available number of cores. <br>It is possible to set this parameter to a
    value of -1, which will compute the number of threads automatically as half of the
    available number of cores.
  maximumSearchDepth integer The maximum search depth, which is the number of unwindings of the main function.
    Non-positive numbers (<= 0) are interpreted as infinity. Default is infinity.
  maximumLoopUnroll integer The maximum number of unwindings for internal loops. Non-positive numbers (<= 0) are
    interpreted as infinity. Default is 32.
  resultExpectation enum ALLOWED:FULFILLED, VIOLATED, UNKNOWN
    The expected result for the proof's execution. Default is 'unknown'
  engines [{
    // Array of object: The engines of the proof execution.
    name* enum ALLOWED:SMIBMC, VIS, AUTOFXP, CBMC, ISAT
      The name of the engine.
    enabled boolean Whether or not this engine should be considered. Default is true
  }]
  isAllowAssumption boolean Whether or not assumption check is allowed. Default is true.
  useLocalInputRestriction boolean Whether or not the proof uses local input restrictions. Default is false.
  performReachabilityCheck boolean Whether or not reachability check should be performed. Default is false.
}
```

### RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

## 28.3 POST /ep/proofs/{frUid}

### Create a proof

Create a proof based on Formal Requirement Uid.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*frUid	string	The UID of the formal requirement.

### RESPONSE

STATUS CODE - 201: Created

RESPONSE MODEL - application/json

{			
uid	string		<b>READ-ONLY</b> The unique identifier (UID) of this object.
name	string		Name of the proof.
description	string		Description of the proof.
formalRequirementName	string		Name of the formal requirement used by this proof.
proofSettings { The proof settings object. If not provided, default settings will be used.			
timeoutSeconds	integer	The timeout in seconds, i.e. the limit on how long this proof execution may run. Non-positive numbers ( $\leq 0$ ) are interpreted as infinity (i.e. no timeout has been specified). Default is infinity.	
memoryLimit	integer	The memory limit in MB. Valid values are $\leq 0$ (to denote infinity) or any positive integer $\geq 500$ to set a positive memory limit. Default is infinity.	
maxNumberOfThreads	integer	<b>DEPRECATED</b> <b>Deprecated:</b> Will only have an effect if called with the deprecated "Execute a proof". The maximum number of parallel threads for the proof execution. Valid values are between 1 and available number of cores.  It is possible to set this parameter to a value of -1, which will compute the number of threads automatically as half of the available number of cores.	
maximumSearchDepth	integer	The maximum search depth, which is the number of unwindings of the main function. Non-positive numbers ( $\leq 0$ ) are interpreted as infinity. Default is infinity.	
maximumLoopUnroll	integer	The maximum number of unwindings for internal loops. Non-positive numbers ( $\leq 0$ ) are interpreted as infinity. Default is 32.	
resultExpectation	enum	<b>ALLOWED:FULFILLED, VIOLATED, UNKNOWN</b> The expected result for the proof's execution. Default is 'unknown'	
engines [{ Array of object: The engines of the proof execution.			
name*	enum	<b>ALLOWED:SMIBMC, VIS, AUTOFXP, CBMC, ISAT</b> The name of the engine.	

```

    enabled boolean Whether or not this engine should be considered. Default is true
  }]
  isAllowAssumption boolean Whether or not assumption check is allowed. Default is true.
  useLocalInputRestriction boolean Whether or not the proof uses local input restrictions. Default is false.
  performReachabilityCheck boolean Whether or not reachability check should be performed. Default is false.
}
}

```

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 28.4 POST /ep/proofs/{proofUID}/execute

### Execute a proof

**<b>Deprecated:</b>** This function is deprecated. Please use "Execute proofs" instead.<br>Execute a proof based on the given proofUID. If multiple executable architecture are preset, the architecture-uid query parameter must be specified.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*proofUID	string	The UID of the proof.

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
architecture-uid	string	The UID of the architecture on which this proof to be executed.  If there are multiple valid architectures, but no architecture is specified, the C-Code architecture is used as a default.

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```

{
  jobID string READ-ONLY
           The ID of a job.
}

```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 28.5 POST /ep/proofs/execute

### Execute proofs

Execute proofs based on the given proofUID. If multiple executable architectures are present, the architecture-uid query parameter must be specified.<br>Parallel engine support can be activated by setting the optional parameters.

### REQUEST

REQUEST BODY - application/json

```
{
  proofUIDs*      [string] The UUIDs of the proofs that should be executed.
  strategy         enum     ALLOWED: BALANCED, ENGINES, PROOFS
                                The mode of the parallelization. <br>PROOFS: Proofs are executed in parallel and one engine is
                                used.<br>ENGINES: Engines are executed in parallel to cover one proof.<br>BALANCED
                                (default): Even distribution between engines and proofs.

  maxNumberOfThreads integer The maximum number of parallel threads for the proof execution. Valid values are -1 and any
                                positive integer. If the value is set to -1, the number of threads is computed automatically as half
                                of the available number of cores. Default is 1 (no parallelization). The used threads are limited by
                                the license and available number of cores.

  archUid          string    The UUID of the architecture on which this proof to be executed. <br>If there are multiple valid
                                architectures, but no architecture is specified, the C-Code architecture is used as a default.
}
```

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
                        The ID of a job.
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 28.6 GET /ep/proofs

### Get all proofs

Get all proofs found on the active profile.

### REQUEST

No request parameters

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

[{

Array of object:

uid	string	<b>READ-ONLY</b> The unique identifier (UID) of this object.
name	string	Name of the proof.
description	string	Description of the proof.
formalRequirementName	string	Name of the formal requirement used by this proof.
proofSettings {		
The proof settings object. If not provided, default settings will be used.		
timeoutSeconds	integer	The timeout in seconds, i.e. the limit on how long this proof execution may run. Non-positive numbers ( $\leq 0$ ) are interpreted as infinity (i.e. no timeout has been specified). Default is infinity.
memoryLimit	integer	The memory limit in MB. Valid values are $\leq 0$ (to denote infinity) or any positive integer $\geq 500$ to set a positive memory limit. Default is infinity.
maxNumberOfThreads	integer	<b>DEPRECATED</b> <b>Deprecated:</b> Will only have an effect if called with the deprecated "Execute a proof". The maximum number of parallel threads for the proof execution. Valid values are between 1 and available number of cores.  It is possible to set this parameter to a value of -1, which will compute the number of threads automatically as half of the available number of cores.
maximumSearchDepth	integer	The maximum search depth, which is the number of unwindings of the main function. Non-positive numbers ( $\leq 0$ ) are interpreted as infinity. Default is infinity.
maximumLoopUnroll	integer	The maximum number of unwindings for internal loops. Non-positive numbers ( $\leq 0$ ) are interpreted as infinity. Default is 32.
resultExpectation	enum	<b>ALLOWED:FULFILLED, VIOLATED, UNKNOWN</b> The expected result for the proof's execution. Default is 'unknown'
engines [{		
Array of object: The engines of the proof execution.		
name*	enum	<b>ALLOWED:SMIBMC, VIS, AUTOFXP, CBMC, ISAT</b> The name of the engine.
enabled	boolean	Whether or not this engine should be considered. Default is true
}]		
isAllowAssumption	boolean	Whether or not assumption check is allowed. Default is true.
useLocalInputRestriction	boolean	Whether or not the proof uses local input restrictions. Default is false.
performReachabilityCheck	boolean	Whether or not reachability check should be performed. Default is false.
}		
}]		

STATUS CODE - 500: Internal server error

## RESPONSE MODEL - text/plain

string

## 28.7 GET /ep/proofs/{proofUID}/detailed-proof-results

### Get detailed proof results of a proof

Get detailed proof results of a proof by providing a proofUID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*proofUID	string	The UID of the proof.

### RESPONSE

#### STATUS CODE - 200: OK

#### RESPONSE MODEL - application/json

```
[{
```

Array of object:

proofId	string	The proof UID for which this result was generated.
steps	integer	The amount of steps after which the execution was terminated. -1 represents a step number which has no useful meaning.
reachabilityCheckSteps	integer	The amount of steps after which the reachability check execution was terminated. -1 represents a step number which has no useful meaning.
architectureName	string	The architecture name on which the result was executed.
proofResult	string	The proof result after the execution.
reachabilityCheckResult	string	The (optional) reachability check result after the execution.
performReachabilityCheck	boolean	Returns true if reachability check should have been performed.
terminationReason	string	Termination reason of the proof execution.
timeoutSeconds	integer	The timeout in seconds, i.e. the limit on how long this proof execution may run. Non-positive numbers ( $\leq 0$ ) are interpreted as infinity (i.e. no timeout has been specified).
memoryLimit	integer	The memory limit in MB. Valid values are -1 (to denote infinity) or any positive integer $\geq 500$ to set a positive memory limit.
strategy	string	The mode of the parallelization.  Proofs: Proofs are executed in parallel and one engine is used.  Engines: Engines are executed in parallel to cover one proof.  Balanced: Even distribution between engines and proofs.
numberOfThreads	integer	The maximum number of parallel proof execution threads. Valid values are between 1 and MAX_INT.
maximumSearchDepth	integer	The maximum search depth, which is the number of unwindings of the main function. Non-positive numbers ( $\leq 0$ ) are interpreted as infinity.
maximumLoopUnroll	integer	The maximum number of unwindings for internal loops. Non-positive numbers ( $\leq 0$ ) are interpreted as infinity.
usedEngines	[enum]	<b>ALLOWED:</b> SMIBMC, VIS, AUTOFXP, CBMC, ISAT The engines used in the proof execution.
isAllowAssumptionCheck	boolean	Returns true if assumption check was allowed.
inputRestrictions {		A list with the used input restriction for this execution.
expectedResult	enum	<b>ALLOWED:</b> FULFILLED, VIOLATED, UNKNOWN The expected result for the proof's execution.

```
}]
```

#### STATUS CODE - 404: Not found

#### RESPONSE MODEL - text/plain

string



**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

# 29. REGRESSION TEST REPORTS

Creates a Regression Test Report for a given Regression Test. Retrieves all existing Regression Test reports from the profile.

## 29.1 POST /ep/regression-tests/{regression-test-uid}/regression-test-reports

### Create a report for a regression test

Creates a Regression Test Report on a regression test.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*regression-test-uid	string	The Regression test UID for which the Regression Report is created.

### RESPONSE

STATUS CODE - 201: Created

RESPONSE MODEL - application/json

```
{
  uid          string READ-ONLY
                The unique identifier (UID) of this object.
  reportName   string Name of the report.
  reportType   string Type of the report.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

```
string
```

## 29.2 GET /ep/regression-test-reports

### Get all reports

Retrieve all the Regression Test reports from the profile.

### REQUEST

No request parameters

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[ {
  Array of object:
```

```
    uid          string  READ-ONLY
                        The unique identifier (UID) of this object.
    reportName    string  Name of the report.
    reportType    string  Type of the report.
  }]
```

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

```
string
```

---

# 30. REGRESSION TESTS

Creates regression tests.

## 30.1 GET /ep/regression-tests/{regression-test-uid}

### Get a test

Get the Regression Test with the provided UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*regression-test-uid	string	The UID of the Regression Test to be returned.

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

{		
uid	string	READ-ONLY The unique identifier (UID) of this object.
referenceMode	string	The reference execution config type.
comparisonMode	string	The comparison execution config type.
referenceFolderUIDs	[string]	Reference folder UIDs
comparisonFolderUID	string	Comparison folder UID
executionDate	string	Execution Date
verdictStatus	enum	ALLOWED:PASSED, FAILED, ERROR, FAILED_ACCEPTED The verdict status
verdictState	enum	ALLOWED:VALID, OUTDATED_TOLERANCE_UPDATE, OUTDATED_MISSING_EXECUTIONS Verdict State
failed	integer	Number of failed comparisons.
failedAccepted	integer	Number of failed accepted comparisons.
passed	integer	Number of passed comparisons.
error	integer	Number of comparisons with error.
total	integer	Total number of comparisons.
comparisons [{		
Array of object: All comparisons.		
uid	string	READ-ONLY The unique identifier (UID) of this object.
name	string	The name of Test Case / Stimuli Vector used in Comparison.
verdictStatus	enum	ALLOWED:PASSED, FAILED, ERROR, FAILED_ACCEPTED The verdict status
referenceExecutionRecordUID	string	UID of reference execution record.
comparisonExecutionRecordUID	string	UID of compared to execution record.
comment	string	Added comment for Comparison.
}]		
name	string	The name of the RegresionTest Test.
}		

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

## 30.2 PATCH /ep/regression-tests/{regression-test-uid}

### Update verdict status for a comparison

Changes verdict status for a Comparison. If accept is true, the comparison verdict status is changed from 'failed' to 'failed (accepted)'. If accept is false, the comparison verdict status is changed from 'failed (accepted)' to 'failed'

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*regression-test-uid	string	The Regression Test UID for which to change the Comparison verdict.

#### REQUEST BODY - application/json

```
{
  comparisonUID* string  UID of the Comparison
  accept*         boolean If accept is true, the comparison verdict status is changed from 'failed' to 'failed (accepted)'. If accept is
                        false, the comparison verdict status is changed from 'failed (accepted)' to 'failed'
}
```

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 30.3 POST /ep/folders/{folder-uid}/regression-tests

### Generate a test on a folder

<b>Long running task </b>Generates a Regression Test on a given folder UID for the specified comparison execution kind. Optionally, the folder where to save the simulated execution records can be provided. If this property is not provided, the execution records are not saved.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The folder UID for which the Regression Test is generated.

#### REQUEST BODY - application/json

```
{
  compMode*      string  Comparison execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL')
  compFolderUID  string  (Optional) The folder where to save the simulated ExecutionRecords. If this property is not provided, the
                        ExecutionRecords are not saved.
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
                The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

## 30.4 POST /ep/folders/regression-tests

### Generate a test on a list of folders

**Long running task** Generates a Regression Test on a given list of folder UIDs for the specified comparison execution kind. Optionally, the folder where to save the simulated execution records can be provided. If this property is not provided, the execution records are not saved.

## REQUEST

#### REQUEST BODY - application/json

```
{
  compMode*      string  Comparison execution mode (e.g. 'SL MIL', 'TL MIL', 'TL MIL (EV)', 'SIL', 'PIL', 'SL SIL')
  compFolderUID  string  (Optional) The folder where to save the simulated ExecutionRecords. If this property is not provided, the
                        ExecutionRecords are not saved.
  UIDs*          [string] Folder UID list
}
```

RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

```
string
```

30.5 GET /ep/regression-tests

Get all tests  
Get all Regression Tests from active profile.

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  uid string READ-ONLY
           The unique identifier (UID) of this object.
  referenceMode string
           The reference execution config type.
  comparisonMode string
           The comparison execution config type.
  referenceFolderUIDs [string]
           Reference folder UIDs
  comparisonFolderUID string
           Comparison folder UID
  executionDate string
           Execution Date
  verdictStatus enum
           ALLOWED:PASSED, FAILED, ERROR, FAILED_ACCEPTED
           The verdict status
  verdictState enum
           ALLOWED:VALID, OUTDATED_TOLERANCE_UPDATE,
           OUTDATED_MISSING_EXECUTIONS
           Verdict State
  failed integer
           Number of failed comparisons.
  failedAccepted integer
           Number of failed accepted comparisons.
  passed integer
           Number of passed comparisons.
  error integer
           Number of comparisons with error.
}
```

```
total          integer    Total number of comparisons.
comparisons [{
  Array of object: All comparisons.
    uid          string    READ-ONLY
                          The unique identifier (UID) of this object.
    name          string    The name of Test Case / Stimuli Vector used in Comparison.
    verdictStatus enum      ALLOWED:PASSED, FAILED, ERROR, FAILED_ACCEPTED
                          The verdict status
    referenceExecutionRecordUID string  UID of reference execution record.
    comparisonExecutionRecordUID string  UID of compared to execution record.
    comment       string    Added comment for Comparison.
  }]
  name          string      The name of the RegresionTest Test.
}]
```

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---



# 31. REPORTS

Retrieve and export Reports.

## 31.1 GET /ep/reports/{report-uid}

### Get a report

Get the report with the provided UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*report-uid	string	The UID of the report to be returned.

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  uid          string READ-ONLY
                The unique identifier (UID) of this object.
  reportName   string  Name of the report.
  reportType   string  Type of the report.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

```
string
```

## 31.2 POST /ep/reports/{report-uid}

### Export a report

Use this command export a report to a given location. The exported report corresponds to the given UID inside the command. New name can be set for file. If file exists, will be overwritten. Keep in mind to use only legal profile paths.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*report-uid	string	The UID of the report to be returned.

REQUEST BODY - application/json

```
{
  exportPath* string Path to export report
}
```

```
    newName      string (Optional) New report name.
}
```

## RESPONSE

**STATUS CODE - 201:** Exported Successfully. Returns exported report location.

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

---

# 32. REQUIREMENT-BASED TEST CASES

Handle requirement-based Test Cases.

## 32.1 GET /ep/test-cases-rbt/{testcase-uid}

### Get a test case

Get a requirement-based Test Case by providing its UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*testcase-uid	string	The UID of the requirement-based Test Case to be returned.

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  uid          string  READ-ONLY
                  The unique identifier (UID) of this object.
  name         string
  description   string  An optional description of the RBTTestCase
  kind         string  The datatype or kind of the RBTTestCase. Usually "tc" or "csv".
  length       integer
  draft        boolean States whether or not the RBTTestCase is in Draft-Mode.
  lastModifiedDate string The date of the last modification to the RBTTestCase
  folderUID    string  The unique identifier of the folder the RBTTestCase belongs to.
  scopeUID     string  The unique identifier of the scope the RBTTestCase belongs to.
  requirementUIDs [string] The unique identifiers of the requirements belonging to the RBTTestCase.
  additionalAttributes [{
    Array of object: The additional attributes of the RBTTestCase.
    key    string  Attribute key
    value  string  Attribute value
  }]
  externalLinks [{
    Array of object: The external links of the RBTTestCase.
    testCaseSource string  Test Case source
    link            string  Link
  }]
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 32.2 DELETE /ep/test-cases-rbt/{testcase-uid}

### Delete a test case

Delete a requirement-based Test Case by providing its UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*testcase-uid	string	The UID of the requirement-based Test Case to be deleted.

### RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 32.3 POST /ep/test-cases-rbt-export

### Export test cases

<b>Long running task</b> Export single or multiple requirement-based Test Case(s) by providing the list of the test cases which will be exported, the export directory, the export format and a list of additional options for export.

### REQUEST

#### REQUEST BODY - application/json

{		
UIDs*	[string]	List with the UIDs of the elements which will be exported
exportDirectory*	string	Directory where to export the elements
exportFormat	enum	ALLOWED:TC, EXCEL, CSV, JSON The format of the exported test cases. Default value is EXCEL.
additionalOptions {		
csvDelimiter	enum	ALLOWED:SEMICOLON, COMMA, COLON, PIPE Relevant only for CSV export format. It can have one of the following values: "SEMICOLON", "COMMA", "COLON", "PIPE". Default value is "SEMICOLON".
singleFile	boolean	Relevant only for CSV export format: false - each vector will be exported in it's own file; true - all vectors will be exported in same file. Default is 'false'
architectureUid	string	Relevant only for Excel export format. It specifies the UID of the architecture on which the interfaces of the vectors will be exported. Default is the master architecture
}		
overwritePolicy	enum	ALLOWED:EXTEND_NAME, OVERWRITE Overwrite policy: allowed values (not case-sensitive) are: EXTEND_NAME, in which case if the exported file exists on disk, its name will be extended and the original file on disk will be kept, OVERWRITE, in which case the original file on disk is overwritten, if it exists. Default value is EXTEND_NAME
}		

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the <a

href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
    The ID of a job.
}
```

**STATUS CODE - 400: Bad Request**

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 403: Forbidden**

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 500: Internal server error**

**RESPONSE MODEL - text/plain**

```
string
```

### 32.4 GET /ep/test-cases-rbt

**Get all test cases**

Get all requirement-based Test Cases.

**REQUEST**

No request parameters

**RESPONSE**

**STATUS CODE - 200: OK**

**RESPONSE MODEL - application/json**

```
[ {
  Array of object:
    uid string READ-ONLY
      The unique identifier (UID) of this object.
    name string
      The name of the RBTestCase.
    description string
      An optional description of the RBTestCase
    kind string
      The datatype or kind of the RBTestCase. Usually "tc" or "csv".
    length integer
      The length of the vector.
    draft boolean
      States whether or not the RBTestCase is in Draft-Mode.
    lastModifiedDate string
      The date of the last modification to the RBTestCase
    folderUID string
      The unique identifier of the folder the RBTestCase belongs to.
    scopeUID string
      The unique identifier of the scope the RBTestCase belongs to.
    requirementUIDs [string]
      The unique identifiers of the requirements belonging to the RBTestCase.
    additionalAttributes [ {
      Array of object: The additional attributes of the RBTestCase.
        key string Attribute key
        value string Attribute value
      } ]
    externalLinks [ {
      Array of object: The external links of the RBTestCase.
        testCaseSource string Test Case source
```

```

        link          string Link
    }}
}}

```

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

```
string
```

## 32.5 PUT /ep/test-cases-rbt

### Import test cases

<b>LONG RUNNING TASK</b> Import multiple requirement-based Test Cases from external files and ALM tools.

### REQUEST

**REQUEST BODY - application/json**

```

{
  paths          [string]  The paths to all test cases you would like to import.
  folderUID      string    The UID of the folder you want to import into. If not specified Test Cases will
                           be imported in the default Test Cases folder.
  overwritePolicy enum     ALLOWED:EXTEND_NAME, OVERWRITE, SKIP
                           Decides what happens in case of duplicate names. Can be "EXTEND_NAME",
                           "OVERWRITE" or "SKIP". Default is "SKIP".
  draft          boolean   Sets the Draft-Mode of the test cases. By default its value is false.
  csvDelimiter   enum      ALLOWED:SEMICOLON, COMMA, COLON, PIPE
                           Relevant only for CSV export format. It can have one of the following values:
                           "SEMICOLON", "COMMA", "COLON", "PIPE". Default value is "SEMICOLON".
  importKind     enum      ALLOWED:TC, EXCEL
                           The kind a file should be imported as. Possible values are: "TC", "EXCEL". "TC"
                           by default
  additionalAttributes [string] A list of additional attribute ids. Only used when importing Test Cases from
                               Polarion.
  settings [{
    Array of object:
      key*   string  For POLARION requirement kind, the following keys are mandatory: host, port, username, pwd, project_id,
                     workItemTypeId, filter. The optional setting keys are: scope_uid, by default the top-level scope, linkedReqSrc_uid,
                     linkedReqRole_id.
      value* string  Setting value
    }]
}

```

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```

{
  jobID string READ-ONLY
           The ID of a job.
}

```

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

```
string
```

**STATUS CODE - 403:** Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 32.6 GET /ep/test-cases-rbt/polarion

### Get the Polarion™ configuration template

Get the configuration with default settings for importing Polarion test cases.

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{
  paths                [string]    The paths to all test cases you would like to import.
  folderUID            string      The UID of the folder you want to import into. If not specified Test Cases
                                   will be imported in the default Test Cases folder.
  overwritePolicy       enum        ALLOWED:EXTEND_NAME, OVERWRITE, SKIP
                                   Decides what happens in case of duplicate names. Can be
                                   "EXTEND_NAME", "OVERWRITE" or "SKIP". Default is "SKIP".
  draft                boolean     Sets the Draft-Mode of the test cases. By default its value is false.
  csvDelimiter          enum        ALLOWED:SEMICOLON, COMMA, COLON, PIPE
                                   Relevant only for CSV export format. It can have one of the following
                                   values: "SEMICOLON", "COMMA", "COLON", "PIPE". Default value is
                                   "SEMICOLON".
  importKind           enum        ALLOWED:TC, EXCEL
                                   The kind a file should be imported as. Possible values are: "TC", "EXCEL".
                                   "TC" by default
  additionalAttributes [string]    A list of additional attribute ids. Only used when importing Test Cases from
                                   Polarion.
  settings [{
    Array of object:
      key*   string  For POLARION requirement kind, the following keys are mandatory: host, port, username, pwd, project_id,
                     workItemTypeId, filter. The optional setting keys are: scope_uid, by default the top-level scope, linkedReqSrc_uid,
                     linkedReqRole_id.
      value* string  Setting value
    }]
}
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 32.7 GET /ep/folders/{folder-uid}/test-cases-rbt

### Get a list of test cases from a folder

Get all requirement-based Test Cases from a certain Folder by providing its UID.

#### REQUEST

## PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The UID of the Folder containing the requirement based Test Cases.

## RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  Array of object:
    uid          string  READ-ONLY
                        The unique identifier (UID) of this object.
    name          string
    description   string  An optional description of the RBTestCase
    kind          string  The datatype or kind of the RBTestCase. Usually "tc" or "csv".
    length        integer
    draft         boolean States whether or not the RBTestCase is in Draft-Mode.
    lastModifiedDate string The date of the last modification to the RBTestCase
    folderUID     string  The unique identifier of the folder the RBTestCase belongs to.
    scopeUID      string  The unique identifier of the scope the RBTestCase belongs to.
    requirementUIDs [string] The unique identifiers of the requirements belonging to the RBTestCase.
    additionalAttributes [{
      Array of object: The additional attributes of the RBTestCase.
        key  string  Attribute key
        value string  Attribute value
      }]
    externalLinks [{
      Array of object: The external links of the RBTestCase.
        testCaseSource string  Test Case source
        link             string  Link
      }]
  }]
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 32.8 GET /ep/scopes/{scope-uid}/test-cases-rbt

Get a list of test cases from a scope

Get all requirement-based Test Cases from a certain Scope by providing its UID.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the Scope containing the requirement based Test Cases.



RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  Array of object:
    uid          string      READ-ONLY
                        The unique identifier (UID) of this object.
    name          string      The name of the RBTestCase.
    description    string      An optional description of the RBTestCase
    kind          string      The datatype or kind of the RBTestCase. Usually "tc" or "csv".
    length        integer     The length of the vector.
    draft         boolean     States whether or not the RBTestCase is in Draft-Mode.
    lastModifiedDate string    The date of the last modification to the RBTestCase
    folderUID     string      The unique identifier of the folder the RBTestCase belongs to.
    scopeUID      string      The unique identifier of the scope the RBTestCase belongs to.
    requirementUIDs [string]  The unique identifiers of the requirements belonging to the RBTestCase.
    additionalAttributes [{
      Array of object: The additional attributes of the RBTestCase.
        key    string  Attribute key
        value  string  Attribute value
      }]
    externalLinks [{
      Array of object: The external links of the RBTestCase.
        testCaseSource string  Test Case source
        link            string  Link
      }]
  }]
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

32.9 POST /ep/synchronize-rbt-test-cases

Synchronize test cases with ALM Tools

<b>Long running task</b> Synchronize/Export Requirement-based Test Case(s) to ALM Tools by providing the list of the test cases which will be synchronized/exported, and a list of additional settings when exporting test cases that don't exist in the ALM tool.

REQUEST

REQUEST BODY - application/json

```
{
  kind*          enum          ALLOWED:POLARION
                        The ALM Tool name: "POLARION"
  uids*          [string]      List with the UIDs of the test cases which will be
                                synchronized
  executionModes [string]      List with the execution modes to be saved for test cases
                                that will be synchronized, "Aggregated" (All), "SIL", "TL MIL",
                                etc.
  settings*     [{
```

Array of object:

```
key*    string  For POLARION synchronization of test cases, the following setting keys are mandatory: <b>host, port, username,
                pwd</b>. For new test cases to be exported, these setting keys are mandatory (if there are no new test cases to be
                exported then these settings are optional and can be ignored): <b>project_id, workItemTypeId.</b> <br>The
                <b>"linkedReqRole_id"</b> is optional and can be used for new created test cases to be exported and also for
                synchronized test cases that previously didn't have it set at all.

value*  string  Setting value

    }
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 32.10 GET /ep/requirements/{requirement-uid}/test-cases-rbt

**Get a list of test cases linked to a requirement**

Use this command to retrieve the test cases linked to a given requirement uid.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*requirement-uid	string	The uid of the requirement for which all linked test cases should be returned.

### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
only-indirect-testcases	boolean	The flag used to specify whether to retrieve only test cases which are indirectly linked to a given requirement. This flag has an effect only on non-leaves requirements. If no value is specified, this flag will be set to false.

## RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  Array of object:
    uid          string  READ-ONLY
                        The unique identifier (UID) of this object.
    name          string  The name of the RBTestCase.
    description    string  An optional description of the RBTestCase
    kind          string  The datatype or kind of the RBTestCase. Usually "tc" or "csv".
    length        integer The length of the vector.
    draft         boolean States whether or not the RBTestCase is in Draft-Mode.
    lastModifiedDate string The date of the last modification to the RBTestCase
    folderUID     string  The unique identifier of the folder the RBTestCase belongs to.
    scopeUID      string  The unique identifier of the scope the RBTestCase belongs to.
    requirementUIDs [string] The unique identifiers of the requirements belonging to the RBTestCase.
    additionalAttributes [{
      Array of object: The additional attributes of the RBTestCase.
        key  string  Attribute key
        value string  Attribute value
      }]
    externalLinks [{
      Array of object: The external links of the RBTestCase.
        testCaseSource string  Test Case source
        link            string  Link
      }]
  }]
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

## 32.11 PUT /ep/requirements/test-cases-rbt

### Unlink requirements from test cases

Use this command to unlink requirements from test cases. Only their uids must be specified.

### REQUEST

REQUEST BODY - application/json

```
{
  requirementUIDs* [string] The uids of the requirements that need to be linked to test cases.
  testCaseUIDs*   [string] The uids of the test cases that need to be linked to the requirements.
}
```

### RESPONSE

STATUS CODE - 200: Requirements unlinked from test cases.

STATUS CODE - 400: Bad request.

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

## 32.12 POST /ep/requirements/test-cases-rbt

### Link requirements to test cases

Use this command to link requirements to test cases. Only their uids must be specified.

#### REQUEST

REQUEST BODY - application/json

```
{
  requirementUIDs* [string] The uids of the requirements that need to be linked to test cases.
  testCaseUIDs*   [string] The uids of the test cases that need to be linked to the requirements.
}
```

#### RESPONSE

STATUS CODE - 200: Requirements linked to test cases.

STATUS CODE - 400: Bad request.

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

## 32.13 POST /ep/formal-requirements/test-cases-rbt

### Generate test cases based on formal requirements

<b>Long running task</b> Generate test cases based on formal requirements using a specific configuration.

#### REQUEST

REQUEST BODY - application/json

```
{
  formalRequirements* [string] The formal requirements for which the coverage will be generated.
  behaviour            enum     ALLOWED:IMPLEMENTATION, FORMAL_REQUIREMENTS
                               Specifies if the vector generation shall be based on the behaviour of the
                               SUT or the behaviour specified via formal requirements.
                               'IMPLEMENTATION' (default, if profile contains SUT): Uses behaviour from
                               SUT
                               'FORMAL_REQUIREMENTS': Uses behaviour described in formal
                               requirements (see SurroundingFormalRequirements).
  architecture        string   Architecture uid for which generation is performed.
                               (Only valid for behaviour: FORMAL_REQUIREMENTS).
  surroundingFormalRequirements [string] Specifies the formal requirements that describe the behaviour as array.
                               (only valid for corresponding 'Behaviour' selection)
```

		By default all formal requirements of the scope (see first parameter) are taken into account.
restrictOutputBehaviour	boolean	Set whether or not values for outputs and locals should keep their values if these are not written by formal requirement (only valid for Behaviour: Formal Requirements). Default is 'true'
coverageMetric	enum	<b>ALLOWED:</b> ONCE, LINEAR_CONDITION_COVERAGE, MULTIPLE_CONDITION_COVERAGE
coverageTarget	enum	Specifies the type of coverage metric.  Default is 'ONCE' <b>ALLOWED:</b> NONE, TRIGGER_EVENT_COVERAGE, TRIGGER_CONDITION_COVERAGE, TRIGGER_EVENT_CONDITION_COVERAGE
		Specifies the type of coverage target. Allowed values depend on the selected 'coverageMetric': 'NONE' (default) for 'ONCE' coverageMetric, 'TRIGGER_EVENT_COVERAGE' (default), 'TRIGGER_CONDITION_COVERAGE', or 'TRIGGER_EVENT_CONDITION_COVERAGE' (Trigger event/condition coverage) for 'LINEAR_CONDITION_COVERAGE' or 'MULTIPLE_CONDITION_COVERAGE' coverageMetric.
onlyFulfillingTestCases	boolean	Specifies if only fulfilling test cases shall be considered. Default is 'false'
memoryLimit	string	Defines the memory limit (MB), default: 'inf'.
globalTimeout	string	Defines the global timeout (s), default 'inf'.
timeoutPerGoal	string	Defines the timeout per goal (s), default 'inf'.
searchDepth	string	Defines the search depth (steps), default 'inf'.
loopUnroll	string	Defines the loop unroll, default 32.
numberOfThreads	integer	Defines the maximum number of parallel proof execution threads. Valid values are between 1 and available number of cores. It is possible to set this parameter to a value of -1, which will compute the number of threads automatically as half of the available number of cores.  Default is '1'
initializationVectorUID	string	The UID of the RequirementBasedTestCase which shall be used to initialize the engine
checkBoundaryCoverageGoals	boolean	Specifies if boundary coverage goals shall be considered. Default is taken from the preferences.
relativeEpsilon	string	Relative epsilon used to derive boundary coverage goals. Default is taken from the preferences.
minimumEpsilon	string	Minimum epsilon used to derive boundary coverage goals. Default is taken from the preferences.
performReachabilityCheck	boolean	Whether or not reachability check should be performed. Default is false.
}		

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
    The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**



# 33. REQUIREMENT-BASED TEST EXECUTION

Executes requirement-based Testing.

## 33.1 POST /ep/folders/{folder-uid}/test-execution-rbt

### Execute all test cases from a folder

Long running task Executes a requirement-based Test on all Test Cases from a given folder for the specified execution kinds. Optionally, also the model coverage report can be generated or the test execution can be forced to not re-use any previous results.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The folder UID for which the requirement-based Test is executed.

#### REQUEST BODY - application/json

execConfigNames*	[string]	List of execution kinds (example: SIL, TL MIL, SL MIL, etc.). Not case-sensitive.
generateModelCoverageReport	boolean	Specify (optional) if the model coverage report should be generated. Default value is false.
forceExecute	boolean	Specify (optional) if the test execution should be forced (all previous results will be discarded). Default value is false.

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the [#get-/ep/progress>Progress](#) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

jobID	string	READ-ONLY
		The ID of a job.

STATUS CODE - 400: Bad Request

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

#### RESPONSE MODEL - text/plain

string

---

## 33.2 POST /ep/folders/test-execution-rbt

### Execute all test cases from a list of folders

**Long running task** Executes a requirement-based Test on all Test Cases from a given list of folders for the specified execution kinds. Optionally, also the model coverage report can be generated or the test execution can be forced to not re-use any previous results.

### REQUEST

REQUEST BODY - application/json

```
{
  UIDs* [string] List with unique identifiers of the objects.
  data {
    execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.). Not case-sensitive.
    generateModelCoverageReport boolean Specify (optional) if the model coverage report should be generated. Default value is false.
    forceExecute boolean Specify (optional) if the test execution should be forced (all previous results will be discarded). Default value is false.
  }
}
```

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
  The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

RESPONSE MODEL - text/plain

string

---

## 33.3 POST /ep/test-cases-rbt/{testcase-uid}/test-execution-rbt

### Execute a test case

**Long running task** Executes a requirement-based Test on a requirement-based Test Case for the specified execution kinds. Optionally, also the test execution can be forced to not re-use any previous results.

### REQUEST

PATH PARAMETERS



NAME	TYPE	DESCRIPTION
*testcase-uid	string	The requirement-based Test Case UID for which the RBT is executed.

#### REQUEST BODY - application/json

```
{
  execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.).
  forceExecute      boolean Specify (optional) if the test execution should be forced (all previous results will be discarded).
                                Default value is false.
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

## 33.4 POST /ep/test-cases-rbt/test-execution-rbt

### Execute a list of test cases

**Long running task** Executes a requirement-based Test on a list of requirement-based Test Cases for the specified execution kinds. Optionally, also the test execution can be forced to not re-use any previous results.

## REQUEST

#### REQUEST BODY - application/json

```
{
  UUIDs* [string] List with unique identifiers of the objects.
  data {
    execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.).
    forceExecute      boolean Specify (optional) if the test execution should be forced (all previous results will be
                                discarded). Default value is false.
  }
}
```

```
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET `/ep/progress?progress-id={progress-id}` using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 33.5 POST /ep/requirements-sources/{requirements-source-uid}/test-execution-rbt

### Execute all test cases linked to a requirements source

**Long running task** Executes a requirement-based Test on all Test Cases linked to the requirements of the given requirements source for the specified execution kinds. Optionally, also the model coverage report can be generated or the test execution can be forced to not re-use any previous results.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*requirements-source-uid	string	The requirements source UID for which the RBT is executed.

### REQUEST BODY - application/json

```
{
  execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.). Not case-sensitive.
  generateModelCoverageReport boolean Specify (optional) if the model coverage report should be generated. Default value is false.
  forceExecute boolean Specify (optional) if the test execution should be forced (all previous results will be discarded). Default value is false.
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET `/ep/progress?progress-id={progress-id}` using the id received by this command.

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad Request

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

#### RESPONSE MODEL - text/plain

string

---

## 33.6 POST /ep/requirements-sources/test-execution-rbt

### Execute all test cases linked to a list of requirements sources

**Long running task** Executes a requirement-based Test on all Test Cases linked to the requirements of the given requirements sources for the specified execution kinds. Optionally, also the model coverage report can be generated or the test execution can be forced to not re-use any previous results.

### REQUEST

#### REQUEST BODY - application/json

```
{
  UIDs* [string] List with unique identifiers of the objects.
  data {
    execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.). Not case-sensitive.
    generateModelCoverageReport boolean Specify (optional) if the model coverage report should be generated. Default value is false.
    forceExecute boolean Specify (optional) if the test execution should be forced (all previous results will be discarded). Default value is false.
  }
}
```

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

### 33.7 POST /ep/scopes/{scope-uid}/test-execution-rbt

**Execute all test cases from a scope**

**Long running task** Executes a requirement-based Test on all Test Cases from a given scope for the specified execution kinds. Optionally, also the model coverage report can be generated or the test execution can be forced to not re-use any previous results.

#### REQUEST

**PATH PARAMETERS**

NAME	TYPE	DESCRIPTION
*scope-uid	string	The scope UID for which the requirement-based Test is executed.

**REQUEST BODY - application/json**

{		
execConfigNames*	[string]	List of execution kinds (example: SIL, TL MIL, SL MIL, etc.). Not case-sensitive.
generateModelCoverageReport	boolean	Specify (optional) if the model coverage report should be generated. Default value is false.
forceExecute	boolean	Specify (optional) if the test execution should be forced (all previous results will be discarded). Default value is false.
}		

#### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

{		
jobID	string	READ-ONLY The ID of a job.
}		

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

### 33.8 POST /ep/scopes/test-execution-rbt

#### Execute all test cases from a list of scopes

**Long running task** Executes a requirement-based Test on all Test Cases from a given list of scopes for the specified execution kinds. Optionally, also the model coverage report can be generated or the test execution can be forced to not re-use any previous results.

#### REQUEST

REQUEST BODY - application/json

```
{
  UUIDs* [string] List with unique identifiers of the objects.
  data {
    execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.). Not case-sensitive.
    generateModelCoverageReport boolean Specify (optional) if the model coverage report should be generated. Default value is false.
    forceExecute boolean Specify (optional) if the test execution should be forced (all previous results will be discarded). Default value is false.
  }
}
```

#### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

# 34. REQUIREMENT-BASED TEST EXECUTION REPORTS

Creates requirement-based Test Execution Reports.

## 34.1 POST /ep/folders/{folder-uid}/test-execution-reports-rbt

### Create a report on a folder

Create a requirement-based Test Execution Report on a given folder.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The folder UID for which the Test Execution Report is created.

#### REQUEST BODY - application/json

```
{
  execConfigName* string Execution kind (example: SIL, TL MIL, SL MIL, etc.). Not case-sensitive.
}
```

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

#### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

## 34.2 POST /ep/folders/test-execution-reports-rbt

### Create a report on a list of folders

Create a requirement-based Test Execution Report on a given list of folders.

REQUEST

REQUEST BODY - application/json

```
{
  UIDs*           [string] List with unique identifiers of the objects.
  execConfigName* string    Execution kind (example: SIL, TL MIL, SL MIL, etc.).
}
```

RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

34.3 POST /ep/requirements-sources/{requirements-source-uid}/test-execution-reports-rbt

Create a report on a requirements source

Create a requirement-based Test Execution Report on a given requirements source.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*requirements-source-uid	string	The requirements source UID for which the Test Execution Report is created.

REQUEST BODY - application/json

```
{
```

```

    execConfigName* string Execution kind (example: SIL, TL MIL, SL MIL, etc.). Not case-sensitive.
}

```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```

{
  jobID string READ-ONLY
           The ID of a job.
}

```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 34.4 POST /ep/requirements-sources/test-execution-reports-rbt

### Create a report on a list of requirements sources

Create a requirement-based Test Execution Report on a given list of requirements sources.

## REQUEST

**REQUEST BODY - application/json**

```

{
  UUIDs* [string] List with unique identifiers of the objects.
  execConfigName* string Execution kind (example: SIL, TL MIL, SL MIL, etc.).
}

```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```

{
  jobID string READ-ONLY
           The ID of a job.
}

```



STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

### 34.5 POST /ep/scopes/{scope-uid}/test-execution-reports-rbt

#### Create a report on a scope

Create a requirement-based Test Execution Report on a given scope.

#### REQUEST

##### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The Scope UID for which the Test Execution Report is created.

##### REQUEST BODY - application/json

```
{
  execConfigName* string Execution kind (example: SIL, TL MIL, SL MIL, etc.). Not case-sensitive.
}
```

#### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

##### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
                        The ID of a job.
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

## 34.6 POST /ep/scopes/test-execution-reports-rbt

### Create a report on a list of scopes

Create a requirement-based Test Execution Report on a given list of scopes.

### REQUEST

**REQUEST BODY - application/json**

```
{
  UIDs*           [string] List with unique identifiers of the objects.
  execConfigName* string   Execution kind (example: SIL, TL MIL, SL MIL, etc.).
}
```

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

## 34.7 GET /ep/test-execution-reports-rbt

### Get all reports

Retrieve all the requirement-based Test Execution reports from the profile.

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{  
  Array of object:  
    uid          string  READ-ONLY  
                        The unique identifier (UID) of this object.  
    reportName   string  Name of the report.  
    reportType   string  Type of the report.  
}]
```

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

# 35. REQUIREMENTS

Retrieve Requirements, Linked Requirements, or Requirement Sources.

## 35.1 GET /ep/requirements-sources

### Get all requirement sources

Get all requirement sources found on the opened profile.

### REQUEST

No request parameters

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  kind* string The kind of this requirement source. The kind identifies this source to be from a specific requirement management tool.

  settings* [{
    Array of object: A list with requirement settings. For EXCEL requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, excel_file_path, projectName_attr (or excel_sheet_name), excel_id_attr, excel_start_row, excel_parent_id. For DOORS requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, projectName_attr, doors_module_qualifier, doors_baseline_major, doors_baseline_minor, doors_baseline_suffix.

    key* string For EXCEL requirement kind, the following keys are mandatory: excel_file_path, projectName_attr, excel_id_attr. The optional setting keys are: excel_start_row, excel_parent_id. For DOORS requirement kind, the following keys are mandatory: projectName_attr, doors_module_qualifier. The optional setting keys are: doors_baseline_major, doors_baseline_minor, doors_baseline_suffix. For POLARION requirement kind, the following keys are mandatory: host, port, username, pwd, project_id. The optional setting key is: filter, by default empty string.

    value* string Setting value
  }]
  definedAdditionalAttributes [string] A list with additional attributes.
  externalUUID* string The unique ID identifying the external requirement source.
  name* string The requirement source name.
  uid* string The universally unique identifier of this requirement source.
}]
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 35.2 GET /ep/requirements/{requirement-source-id}

### Get all requirements of a requirement source

Get the requirements of the given requirement source id.

### REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*requirement-source-id	string	The UID of the requirement source.

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

[{		
Array of object:		
uid*	string	The universally unique identifier.
identifier*	string	The requirement identifier (e.g. a chapter number within DOORS).
isRemoved	boolean	Value meaning whether this requirement has been removed within the requirement management tool.
additionalAttributes {		
Map containing all additional attributes.		
}		
scopeId*	string	The scope id this requirement is directly linked to.
description*	string	The requirement description.
name*	string	The requirement name.
dateOfLastUpdate*	string	The requirement last update date.
requirementSource* {		
kind*	string	The kind of this requirement source. The kind identifies this source to be from a specific requirement management tool.
settings* [{		
Array of object: A list with requirement settings. For EXCEL requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, excel_file_path, projectName_attr (or excel_sheet_name), excel_id_attr, excel_start_row, excel_parent_id. For DOORS requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, projectName_attr, doors_module_qualifier, doors_baseline_major, doors_baseline_minor, doors_baseline_suffix.		
key*	string	For EXCEL requirement kind, the following keys are mandatory: excel_file_path, projectName_attr, excel_id_attr. The optional setting keys are: excel_start_row, excel_parent_id. For DOORS requirement kind, the following keys are mandatory: projectName_attr, doors_module_qualifier. The optional setting keys are: doors_baseline_major, doors_baseline_minor, doors_baseline_suffix. For POLARION requirement kind, the following keys are mandatory: host, port, username, pwd, project_id. The optional setting key is: filter, by default empty string.
value*	string	Setting value
}]		
definedAdditionalAttributes	[string]	A list with additional attributes.
externalUUID*	string	The unique ID identifying the external requirement source.
name*	string	The requirement source name.
uid*	string	The universally unique identifier of this requirement source.
}		
}]		

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

35.3 GET /ep/scopes/{scope-id}/linked-requirements

Get all requirements for a scope

Get the linked requirements of this given scope id.

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-id	string	The UID of the scope id.

RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

[ { Array of object:		
uid*	string	The universally unique identifier.
identifier*	string	The requirement identifier (e.g. a chapter number within DOORS).
isRemoved	boolean	Value meaning whether this requirement has been removed within the requirement management tool.
additionalAttributes { Map containing all additional attributes.		
}		
scopeId*	string	The scope id this requirement is directly linked to.
description*	string	The requirement description.
name*	string	The requirement name.
dateOfLastUpdate*	string	The requirement last update date.
requirementSource* {		
kind*	string	The kind of this requirement source. The kind identifies this source to be from a specific requirement management tool.
settings* [{ Array of object: A list with requirement settings. For EXCEL requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, excel_file_path, projectName_attr (or excel_sheet_name), excel_id_attr, excel_start_row, excel_parent_id. For DOORS requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, projectName_attr, doors_module_qualifier, doors_baseline_major, doors_baseline_minor, doors_baseline_suffix.		
key*	string	For EXCEL requirement kind, the following keys are mandatory: excel_file_path, projectName_attr, excel_id_attr. The optional setting keys are: excel_start_row, excel_parent_id. For DOORS requirement kind, the following keys are mandatory: projectName_attr, doors_module_qualifier. The optional setting keys are: doors_baseline_major, doors_baseline_minor, doors_baseline_suffix. For POLARION requirement kind, the following keys are mandatory: host, port, username, pwd, project_id. The optional setting key is: filter, by default empty string.
value*	string	Setting value
}]		
definedAdditionalAttributes	[string]	A list with additional attributes.
externalUUID*	string	The unique ID identifying the external requirement source.
name*	string	The requirement source name.
uid*	string	The universally unique identifier of this requirement source.
}		
}]		

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain



# 36. REQUIREMENTS IMPORT

Import Requirements.

## 36.1 POST /ep/requirements-import

### Import requirements

Import requirements by specifying the kind of requirements.

### REQUEST

#### REQUEST BODY - application/json

<b>kind*</b>	enum	<b>ALLOWED:</b> EXCEL , DOORS , POLARION The kind of imported requirements. Allowed types: EXCEL, DOORS and POLARION.
<b>nameAttribute*</b>	string	The name of imported requirements. Required for DOORS, EXCEL and POLARION import.
<b>descriptionAttribute</b>	string	The description of imported requirements. Required for DOORS and EXCEL import. Optional for Polarion, by default is 'Description'.
<b>additionalAttributes</b>	[string]	A list with additional attributes.
<b>settings* [{</b>		
Array of object: A list with requirement settings.For EXCEL requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, excel_file_path, projectName_attr (or excel_sheet_name), excel_id_attr, excel_start_row, excel_parent_id.For DOORS requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, projectName_attr, doors_module_qualifier, doors_baseline_major, doors_baseline_minor, doors_baseline_suffix.		
<b>key*</b>	string	For EXCEL requirement kind, the following keys are mandatory: excel_file_path, projectName_attr, excel_id_attr. The optional setting keys are: excel_start_row, excel_parent_id. For DOORS requirement kind, the following keys are mandatory: projectName_attr, doors_module_qualifier. The optional setting keys are: doors_baseline_major, doors_baseline_minor, doors_baseline_suffix. For POLARION requirement kind, the following keys are mandatory: host, port, username, pwd, project_id. The optional setting key is: filter, by default empty string.
<b>value*</b>	string	Setting value
}]		
}		

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

{
jobID string READ-ONLY
The ID of a job.
}

**STATUS CODE - 400:** Bad request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain



string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 36.2 GET /ep/requirements-import/doors

### Get the DOORS™ configuration template

Get the configuration with default settings for importing Doors requirements.

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

{		
kind*	enum	<b>ALLOWED:</b> EXCEL, DOORS, POLARION The kind of imported requirements. Allowed types: EXCEL, DOORS and POLARION.
nameAttribute*	string	The name of imported requirements. Required for DOORS, EXCEL and POLARION import.
descriptionAttribute	string	The description of imported requirements. Required for DOORS and EXCEL import. Optional for Polarion, by default is 'Description'.
additionalAttributes	[string]	A list with additional attributes.
settings* [{		
Array of object: A list with requirement settings.For EXCEL requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, excel_file_path, projectName_attr (or excel_sheet_name), excel_id_attr, excel_start_row, excel_parent_id.For DOORS requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, projectName_attr, doors_module_qualifier, doors_baseline_major, doors_baseline_minor, doors_baseline_suffix.		
key*	string	For EXCEL requirement kind, the following keys are mandatory: excel_file_path, projectName_attr, excel_id_attr. The optional setting keys are: excel_start_row, excel_parent_id. For DOORS requirement kind, the following keys are mandatory: projectName_attr, doors_module_qualifier. The optional setting keys are: doors_baseline_major, doors_baseline_minor, doors_baseline_suffix. For POLARION requirement kind, the following keys are mandatory: host, port, username, pwd, project_id. The optional setting key is: filter, by default empty string.
value*	string	Setting value
}]		
}		

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 36.3 GET /ep/requirements-import/excel

### Get the Excel™ configuration template

Get the configuration with default settings for importing Excel requirements.

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

kind*	enum	<b>ALLOWED:</b> EXCEL, DOORS, POLARION The kind of imported requirements. Allowed types: EXCEL, DOORS and POLARION.
nameAttribute*	string	The name of imported requirements. Required for DOORS, EXCEL and POLARION import.
descriptionAttribute	string	The description of imported requirements. Required for DOORS and EXCEL import. Optional for Polarion, by default is 'Description'.
additionalAttributes	[string]	A list with additional attributes.
settings* [{		
Array of object: A list with requirement settings.For EXCEL requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, excel_file_path, projectName_attr (or excel_sheet_name), excel_id_attr, excel_start_row, excel_parent_id.For DOORS requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, projectName_attr, doors_module_qualifier, doors_baseline_major, doors_baseline_minor, doors_baseline_suffix.		
key*	string	For EXCEL requirement kind, the following keys are mandatory: excel_file_path, projectName_attr, excel_id_attr. The optional setting keys are: excel_start_row, excel_parent_id. For DOORS requirement kind, the following keys are mandatory: projectName_attr, doors_module_qualifier. The optional setting keys are: doors_baseline_major, doors_baseline_minor, doors_baseline_suffix. For POLARION requirement kind, the following keys are mandatory: host, port, username, pwd, project_id. The optional setting key is: filter, by default empty string.
value*	string	Setting value
}]		
}		

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

### 36.4 GET /ep/requirements-import/polarion

#### Get the Polarion™ configuration template

Get the configuration with default settings for importing Polarion requirements.

#### REQUEST

No request parameters

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

kind*	enum	<b>ALLOWED:</b> EXCEL, DOORS, POLARION The kind of imported requirements. Allowed types: EXCEL, DOORS and POLARION.
nameAttribute*	string	The name of imported requirements. Required for DOORS, EXCEL and POLARION import.
descriptionAttribute	string	The description of imported requirements. Required for DOORS and EXCEL import. Optional for Polarion, by default is 'Description'.
additionalAttributes	[string]	A list with additional attributes.
settings* [{		
Array of object: A list with requirement settings.For EXCEL requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, excel_file_path, projectName_attr (or excel_sheet_name), excel_id_attr, excel_start_row, excel_parent_id.For DOORS requirement kind, the following keys can be: name_attr_value, desc_attr_value, additional_attr, modification_date, projectName_attr, doors_module_qualifier, doors_baseline_major, doors_baseline_minor, doors_baseline_suffix.		
key*	string	For EXCEL requirement kind, the following keys are mandatory: excel_file_path, projectName_attr, excel_id_attr. The optional setting keys are: excel_start_row, excel_parent_id. For DOORS requirement kind, the following

keys are mandatory: projectName\_attr, doors\_module\_qualifier. The optional setting keys are: doors\_baseline\_major, doors\_baseline\_minor, doors\_baseline\_suffix. For POLARION requirement kind, the following keys are mandatory: host, port, username, pwd, project\_id. The optional setting key is: filter, by default empty string.

```
    value* string Setting value
  }]
```

```
}
```

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

---

# 37. SCOPES

Handle Scopes.

## 37.1 GET /ep/scopes/{scope-uid}

### Get a scope

Get a specific scope by providing its UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope to be returned.

### RESPONSE

STATUS CODE - 200: OK

#### RESPONSE MODEL - application/json

```
{
  uid          string  The unique identifier (UID) of this object.
  name         string  The scope name.
  topLevel    boolean  True if scope is a toplevel scope.
  kind         enum    ALLOWED:SUT, DUMMY, ENVIRONMENT, HIDDEN_INTERNAL, VIRTUAL
                  Scope kind.
  path         string  Scope path.
  architecture string  The corresponding architecture of the scope.
  sampleTime {
    The sample time of the scope. Not present for dummy scopes.
    uid        string  The unique identifier (UID) of this object.
    seconds    string  The sample time as a value given in seconds.
  }
}
```

STATUS CODE - 404: Not found

#### RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

#### RESPONSE MODEL - text/plain

string

## 37.2 GET /ep/scopes

### Get a list of scopes

Get a list of scopes by a query which filters by path and top-level.

### REQUEST

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
path	string	Enter the path of the scope you would like to search for. If null, then all scopes will be returned.
top-level	boolean	Specifies, if only top level scopes shall be returned.  If set to 'true', only top level scopes will be returned.  If set to 'false', all scopes will be returned, including the top level.  If not specified, then the default value is 'false'.
architecture-uid	string	Specifies from which architecture the scopes are being collected. If null, then the first imported architecture will be used.

## RESPONSE

**STATUS CODE - 200: OK**

**RESPONSE MODEL - application/json**

```
[{
  Array of object:
    uid      string  The unique identifier (UID) of this object.
    name     string  The scope name.
    topLevel boolean  True if scope is a toplevel scope.
    kind     enum    ALLOWED:SUT, DUMMY, ENVIRONMENT, HIDDEN_INTERNAL, VIRTUAL
                  Scope kind.
    path     string  Scope path.
    architecture string The corresponding architecture of the scope.
    sampleTime {
      The sample time of the scope. Not present for dummy scopes.
        uid      string  The unique identifier (UID) of this object.
        seconds   string  The sample time as a value given in seconds.
      }
    }
}]
```

**STATUS CODE - 404: Not found**

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500: Internal server error**

**RESPONSE MODEL - text/plain**

string

# 38. SIGNALS

Handle signals' operations.

## 38.1 GET /ep/scopes/{scope-uid}/signals

### Get all signals from a scope

Get all signals from the given scope

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The scope for which to get the signals.

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
  Array of object:
    uid          string READ-ONLY
                  The unique identifier (UID) of this object.
    identifier    string READ-ONLY
                  The signal identifier.
}]
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

# 39. STIMULI VECTORS

Handle stimuli vectors.

## 39.1 GET /ep/stimuli-vectors/{stimuli-vector-uid}

### Get a stimuli vector

Get a specific stimuli vector by UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*stimuli-vector-uid	string	The UID of the stimuli vector to be returned.

### RESPONSE

STATUS CODE - 200: OK

#### RESPONSE MODEL - application/json

```
{
  uid      string  READ-ONLY
              The unique identifier (UID) of this object.
  name     string
              The name of the StimuliVector.
  length   integer
              The length of the vector.
  folderUID string
              The unique identifier of the folder the StimuliVector belongs to.
  scopeUID string
              The unique identifier of the scope the StimuliVector belongs to.
}
```

STATUS CODE - 404: Not found

#### RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 500: Internal server error.

#### RESPONSE MODEL - text/plain

```
string
```

## 39.2 DELETE /ep/stimuli-vectors/{stimuli-vector-uid}

### Delete a stimuli vector

Delete a stimuli vector by its UID.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*stimuli-vector-uid	string	The UID of the stimuli vector to be deleted.

### RESPONSE

STATUS CODE - 200: OK

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 39.3 POST /ep/stimuli-vectors-export

### Export Stimuli Vectors

**<b>Long running task</b>** Export single or multiple Stimuli Vector(s) by providing the list of the stimuli vectors which will be exported, the export directory, the export format and a list of additional options for export.

### REQUEST

REQUEST BODY - application/json

```
{
  UIDs*           [string] List with the UIDs of the elements which will be exported
  exportDirectory* string Directory where to export the elements
  exportFormat     enum     ALLOWED:EXCEL, CSV
                                The format of the exported stimuli vectors. It can be: "EXCEL" or "CSV". Default value is EXCEL.

  additionalOptions {
    csvDelimiter     enum     ALLOWED:SEMICOLON, COMMA, COLON, PIPE
                                Relevant only for CSV export format. It can have one of the following values: "SEMICOLON",
                                "COMMA", "COLON", "PIPE". Default value is "SEMICOLON".

    singleFile        boolean Relevant only for CSV export format: false - each vector will be exported in it's own file; true - all
                                vectors will be exported in same file. Default is 'false'

    architectureUid  string  Relevant only for Excel export format. It specifies the UID of the architecture on which the
                                interfaces of the vectors will be exported. Default is the master architecture
  }
  overwritePolicy  enum     ALLOWED:EXTEND_NAME, OVERWRITE
                                Overwrite policy: allowed values (not case-sensitive) are: EXTEND_NAME, in which case if the
                                exported file exists on disk, its name will be extended and the original file on disk will be kept,
                                OVERWRITE, in which case the original file on disk is overwritten, if it exists. Default value is
                                EXTEND_NAME
}
```

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
                                The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden



RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 39.4 GET /ep/stimuli-vectors

### Get all stimuli vectors

Get all stimuli vectors.

### REQUEST

No request parameters

### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[{
```

Array of object:

uid	string	READ-ONLY
		The unique identifier (UID) of this object.
name	string	The name of the StimuliVector.
length	integer	The length of the vector.
folderUID	string	The unique identifier of the folder the StimuliVector belongs to.
scopeUID	string	The unique identifier of the scope the StimuliVector belongs to.

```
}]
```

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 39.5 PUT /ep/stimuli-vectors

### Import stimuli vectors

<b>Long running task</b> Import multiple stimuli vectors from external files into a Folder by providing their path and the Folders UID. Can either overwrite or skip stimuli vectors that are already imported.

### REQUEST

REQUEST BODY - application/json

```
{
  paths*           [string]  The paths to all stimuli vectors you'd like to import.
  vectorKind       enum      ALLOWED:TC, EXCEL
                                The stimuli vector type. Default value is "TC"
  folderUID        string     The UID of the folder you want to import into.
  delimiter        enum      ALLOWED:SEMICOLON, COMMA, COLON, PIPE
                                The CSV file delimiter, can be: "SEMICOLON", "COMMA", "COLON", "PIPE". Default value is "SEMICOLON"
```

overwritePolicy enum

ALLOWED:EXTEND\_NAME, OVERWRITE, SKIP

Decides what happens in case of duplicate names. Can be "EXTEND\_NAME", "OVERWRITE" or "SKIP". Default is "SKIP".

}

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 39.6 GET /ep/folders/{folder-uid}/stimuli-vectors

**Get all stimuli vectors from a folder**

Get all stimuli vectors from the specified folder.

## REQUEST

**PATH PARAMETERS**

NAME	TYPE	DESCRIPTION
*folder-uid	string	The UID of the folder from which to get stimuli vectors.

## RESPONSE

**STATUS CODE - 200:** OK

**RESPONSE MODEL - application/json**

```
[ {
  uid          string READ-ONLY
                The unique identifier (UID) of this object.
  name         string  The name of the StimuliVector.
  length       integer  The length of the vector.
  folderUID    string  The unique identifier of the folder the StimuliVector belongs to.
  scopeUID     string  The unique identifier of the scope the StimuliVector belongs to.
}]
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

### 39.7 GET /ep/scopes/{scope-uid}/stimuli-vectors

Get all stimuli vectors from a scope

Get all stimuli vectors from the specified scope.

#### REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The UID of the scope from which to get stimuli vectors.

#### RESPONSE

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
[ {
  Array of object:
    uid      string  READ-ONLY
                  The unique identifier (UID) of this object.
    name     string
    length   integer The length of the vector.
    folderUID string  The unique identifier of the folder the StimuliVector belongs to.
    scopeUID string  The unique identifier of the scope the StimuliVector belongs to.
  } ]
```

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

# 40. TEST

## 40.1 GET /ep/test

Test the connection to the REST server

### REQUEST

No request parameters

### RESPONSE

**STATUS CODE - 200:** Request successfully sent.

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

---

# 41. TEST CASE/STIMULI VECTOR SIMULATION

Simulate TestCases.

## 41.1 POST /ep/folders/{folder-uid}/testcase-simulation

**Simulates all Test Cases/StimuliVectors from a folder**

Long running task  
Simulates all Test Cases/StimuliVectors from a given folder for the specified execution kinds. Optionally, simulation can be forced to not re-use any previous results.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*folder-uid	string	The Folder UID for which the Test Cases/Stimuli Vectors are simulated.

#### REQUEST BODY - application/json

execConfigNames*	[string]	List of execution kinds (example: SIL, TL MIL, SL MIL, etc.) for which to simulate. Not case-sensitive.
forceExecute	boolean	Specify (optional) if the simulation should be forced (all previous results will be discarded). Default is 'false'.

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

#### RESPONSE MODEL - application/json

jobID	string	READ-ONLY
		The ID of a job.

**STATUS CODE - 400:** Bad Request

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 404:** Not found

#### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

#### RESPONSE MODEL - text/plain

string

## 41.2 POST /ep/folders/testcase-simulation

### Simulates all Test Cases/StimuliVectors from a list of folders

**Long running task** Simulates all Test Cases/StimuliVectors from a given list of folders for the specified execution kinds. Optionally, simulation can be forced to not re-use any previous results.

#### REQUEST

##### REQUEST BODY - application/json

```
{
  execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.) for which to simulate. Not case-sensitive.
  forceExecute      boolean Specify (optional) if the simulation should be forced (all previous results will be discarded). Default is 'false'.
  UIDs*            [string] List with unique identifiers of the objects.
}
```

#### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the  [i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.](#get-/ep/progress)

##### RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

##### RESPONSE MODEL - text/plain

string

**STATUS CODE - 403:** Forbidden

##### RESPONSE MODEL - text/plain

string

**STATUS CODE - 500:** Internal server error

##### RESPONSE MODEL - text/plain

string

## 41.3 POST /ep/scopes/{scope-uid}/testcase-simulation

### Simulates all Test Cases/StimuliVectors from a scope

**Long running task** Simulates all Test Cases/StimuliVectors from a given scope for the specified execution kinds. Optionally, simulation can be forced to not re-use any previous results.

#### REQUEST

##### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*scope-uid	string	The Scope UID for which the Test Cases/Stimuli Vectors are simulated.

##### REQUEST BODY - application/json

```
{
```

<code>execConfigNames*</code>	<code>[string]</code>	List of execution kinds (example: SIL, TL MIL, SL MIL, etc.) for which to simulate. Not case-sensitive.
<code>forceExecute</code>	<code>boolean</code>	Specify (optional) if the simulation should be forced (all previous results will be discarded). Default is 'false'.

}

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the `<a href='#get-/ep/progress'>Progress</a>` i.e. GET `'/ep/progress?progress-id={progress-id}'` using the id received by this command.

**RESPONSE MODEL - application/json**

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

**STATUS CODE - 400:** Bad Request

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 403:** Forbidden

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error

**RESPONSE MODEL - text/plain**

string

## 41.4 POST /ep/scopes/testcase-simulation

**Simulates all Test Cases/StimuliVectors from a list of scopes**

**<b>Long running task </b>** Simulates all Test Cases/StimuliVectors from a given list of scopes for the specified execution kinds. Optionally, simulation can be forced to not re-use any previous results.

## REQUEST

**REQUEST BODY - application/json**

```
{
  execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.) for which to simulate. Not case-sensitive.
  forceExecute      boolean  Specify (optional) if the simulation should be forced (all previous results will be discarded). Default is 'false'.
  UIDs*            [string] List with unique identifiers of the objects.
}
```

## RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the `<a href='#get-/ep/progress'>Progress</a>` i.e. GET `'/ep/progress?progress-id={progress-id}'` using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 41.5 POST /ep/test-cases/{testcase-uid}/testcase-simulation

Simulates a Test Case/Stimuli Vector

<b>Long running task </b>Simulates a Test Case/Stimuli Vector for the specified execution kinds. Optionally, also the test execution can be forced to not re-use any previous results.

### REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*testcase-uid	string	The Test Case/Stimuli VectorUID to simulate.

REQUEST BODY - application/json

```
{
  execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.) for which to simulate. Not case-sensitive.
  forceExecute      boolean  Specify (optional) if the simulation should be forced (all previous results will be discarded). Default is 'false'.
}
```

### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string



STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Not found

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

---

## 41.6 POST /ep/test-cases/testcase-simulation

### Simulates all Test Cases/StimuliVectors

**Long running task** Simulates all Test Cases/StimuliVectors on the specified execution kinds. Optionally, simulation can be forced to not re-use any previous results.

### REQUEST

REQUEST BODY - application/json

```
{
  execConfigNames* [string] List of execution kinds (example: SIL, TL MIL, SL MIL, etc.) for which to simulate. Not case-sensitive.
  forceExecute      boolean Specify (optional) if the simulation should be forced (all previous results will be discarded). Default is 'false'.
  UUIDs*           [string] List with unique identifiers of the objects.
}
```

### RESPONSE

**STATUS CODE - 202:** Long running operation started. The status of the operation can be reviewed by using the [Progress](#get-/ep/progress) i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
           The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

# 42. TOLERANCES

Import, reset and retrieve global and local tolerances.

## 42.1 POST /ep/profiles/export-global-tolerances

### Export global tolerances

Use this command to export the global tolerances per usecase.

#### REQUEST

REQUEST BODY - application/json

```
{
  path*           string  The path to the xml file to use for import or export of tolerances.
  toleranceUseCase* enum   ALLOWED:B2B, RBT
                                     The use case of the tolerances for which tolerances should be applied. Allowed values are RBT and B2B.
}
```

#### RESPONSE

STATUS CODE - 202: Long running operation started. The status of the operation can be reviewed by using the <a href='#get-/ep/progress'>Progress</a> i.e. GET '/ep/progress?progress-id={progress-id}' using the id received by this command.

RESPONSE MODEL - application/json

```
{
  jobID string READ-ONLY
                The ID of a job.
}
```

STATUS CODE - 400: Bad Request

RESPONSE MODEL - text/plain

string

STATUS CODE - 403: Forbidden

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error

RESPONSE MODEL - text/plain

string

## 42.2 GET /ep/scopes/{scope-id}/global-tolerances

### Get the global tolerances

Use this command to retrieve the global tolerances. A valid scope uid and use case must be specified. The lead-lag-unit can be either Seconds or Steps.

#### REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
------	------	-------------

NAME	TYPE	DESCRIPTION
*scope-id	string	The scope from which to retrieve the global tolerances.

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*kind	enum ALLOWED: B2B, RBT	The use case kind. Can be either RBT or B2B.
lead-lag-unit	enum ALLOWED: SECONDS, STEPS	For existing tolerances, lead and lag values should be displayed as either SECONDS or STEPS. Default is STEPS.

## RESPONSE

**STATUS CODE - 200:** Global tolerances retrieved.

**RESPONSE MODEL - application/json**

```
[{
  Array of object:
    uid      string  READ-ONLY
                  The unique identifier (UID) of this object.
    name     string
    lead     string
    lag      string
    absTol   string
    relTol   string
    kind     string
  }]
```

**STATUS CODE - 400:** Bad request.

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Not found.

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 406:** Not acceptable.

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

## 42.3 PUT /ep/profiles/global-tolerances

### Import the global tolerances

Use this command to import the global tolerances.

## REQUEST

```
REQUEST BODY - application/json
{
  path*                string  The path to the xml file to use for import or export of tolerances.
  toleranceUseCase*    enum    ALLOWED:B2B, RBT
                               The use case of the tolerances for which tolerances should be applied. Allowed values are RBT and
                               B2B.
}
```

RESPONSE

STATUS CODE - 200: Global tolerances imported.

STATUS CODE - 400: Bad request.

RESPONSE MODEL - text/plain

string

STATUS CODE - 406: Not acceptable.

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

42.4 DELETE /ep/profiles/global-tolerances

Reset the global tolerances

Use this command to reset the global tolerances for the profile.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
*kind	enum ALLOWED: B2B, RBT	The use case kind. Can be either RBT or B2B.

RESPONSE

STATUS CODE - 200: Global tolerances reset.

STATUS CODE - 400: Bad request.

RESPONSE MODEL - text/plain

string

STATUS CODE - 406: Not acceptable.

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

## 42.5 GET /ep/test-cases/{test-case-id}/local-tolerances

### Get the local tolerances

Use this command to retrieve the local tolerances. A valid test case uid must be specified. The lead-lag-unit can be either Seconds or Steps. Setting the create-if-missing to true will create local tolerances from the global tolerances.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*test-case-id	string	The UID of the test case for which local tolerances will be retrieved.

#### QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
lead-lag-unit	enum ALLOWED: SECONDS, STEPS	For existing tolerances, lead and lag values should be displayed as either SECONDS or STEPS. Default is STEPS.
create-if-missing	boolean	If true, the local tolerances will be created if they do not exist yet. Default is: false.

### RESPONSE

STATUS CODE - 200: Local tolerances retrieved.

#### RESPONSE MODEL - application/json

```
[ {
  Array of object:
    uid      string  READ-ONLY
                  The unique identifier (UID) of this object.
    name     string
    lead     string
    lag      string
    absTol   string
    relTol   string
    kind     string
  } ]
```

STATUS CODE - 400: Bad request.

#### RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 404: Test case not found.

#### RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 406: Not acceptable.

#### RESPONSE MODEL - text/plain

```
string
```

STATUS CODE - 500: Internal server error.

#### RESPONSE MODEL - text/plain

```
string
```

---

## 42.6 PUT /ep/test-cases/{test-case-id}/local-tolerances

### Import the local tolerances

Import local tolerances for a given test case.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*test-case-id	string	The UID of the test case for which local tolerances will be imported.

#### REQUEST BODY - application/json

```
{
  path* string The path to the xml file to use for import or export of local tolerances.
}
```

### RESPONSE

STATUS CODE - 200: Local tolerances imported.

STATUS CODE - 400: Bad request.

RESPONSE MODEL - text/plain

string

STATUS CODE - 404: Test case not found.

RESPONSE MODEL - text/plain

string

STATUS CODE - 406: Not acceptable.

RESPONSE MODEL - text/plain

string

STATUS CODE - 500: Internal server error.

RESPONSE MODEL - text/plain

string

---

## 42.7 POST /ep/test-cases/{test-case-id}/local-tolerances

### Export local tolerances

Export local tolerances for a given test case.

### REQUEST

#### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*test-case-id	string	The UID of the requirement-based Test Case to export the local tolerances for.

#### REQUEST BODY - application/json

```
{
```

```
    path* string The path to the xml file to use for import or export of local tolerances.
}
```

## RESPONSE

**STATUS CODE - 200:** Local tolerances exported.

**STATUS CODE - 400:** Bad request.

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Test case not found.

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

---

## 42.8 DELETE /ep/test-cases/{test-case-id}/local-tolerances

### Reset the local tolerances

Remove the local tolerances for a test case.

## REQUEST

### PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*test-case-id	string	The UID of the test case for which local tolerances will be removed.

## RESPONSE

**STATUS CODE - 200:** Local tolerances removed.

**STATUS CODE - 400:** Bad request.

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 404:** Test case not found.

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 406:** Not acceptable.

**RESPONSE MODEL - text/plain**

string

**STATUS CODE - 500:** Internal server error.

**RESPONSE MODEL - text/plain**

string

