

# JEngine Interface API Specification v0.2

## API Core Pfad:

`http://domain.com:port/jengine/interface/{version}/{language}/scenario/{scenarioID}/_`

`fragment/{fragmentID}/instance/{instanceID}/?`  
`activity/{activityID} instance/{instanceID}/?`  
`instance/{instanceID}/activityinstance/{activityinstanceID}/?`

if id = 0, all content should be displayed.

## Optionen:

Option	Value	Beschreibung
version	e.g. v1	
language	e.g. de; en	ISO 3166-1 alpha-2 Country Code description

The following parameters are supported:

## Core Parameter

id	Parameter	Value (if null, display all)	Dependency id	Beschreibung
4	status	{init, enabled, terminated, skipped}		
5	simulation	{true, false}		If true, value will be evaluated but not stored in database; usage: forecast model
6	limit	integer		

## Get all Scenarios

http GET *http://domain.com:port/jengine/interface/{version}/{language}/scenario/0/*

returns JSON String with a list of available scenarios: {"ids":[1,2,3,100,101]}

## Get all Instances for a Scenario

http GET *http://domain.com:port/jengine/interface/{version}/{language}/scenario/1/instance/0/*

returns JSON String with a list of available instances of the scenario 1: {"ids":[47,48,49,50,51,52,53,54,55,58 5]}

## Get all Activities for an Instance of a Scenario

http GET *http://domain.com:port/jengine/interface/{version}/{language}/scenario/1/instance/47/?status=enabled*

returns JSON String with a list of enabled activities for the instance 47 of the scenario 1:  
{"ids":[5,4,16],"label":{"16":"ActivityFragment4","4":"Activity1Fragment2","5":"Activity2Fragment1"}}

## Get details for an ActivityInstanceID

http GET *http://domain.com:port/jengine/interface/{version}/{language}/scenario/1/instance/47/activityinstance/43/*

returns JSON String with a list of enabled activities for the instance 47 of the scenario 1:  
{"ids":[5,4,16],"label":{"16":"ActivityFragment4","4":"Activity1Fragment2","5":"Activity2Fragment1"}}

## Post update for an ActivityID

http POST *http://domain.com:port/jengine/interface/{version}/{language}/scenario/1/instance/47/activityinstance/43*

returns true

## POST start a new Instance of a Scenario

http POST *http://domain.com:port/jengine/interface/{version}/{language}/?scenario=1&instance=47&action=start*

returns new Instance ID.