

# Smart API

:

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- [Smart Test Template](#)
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- [.tst](#)
- [.tst Smart Test](#)
- [Smart Test Template](#)
- [Salesforce Smart API](#)
- [Guidewire Smart API](#)
- 

SOAtest [Parasoft Recorder](#) API API Smart API API Smart API SOAtest

SOAtest 1

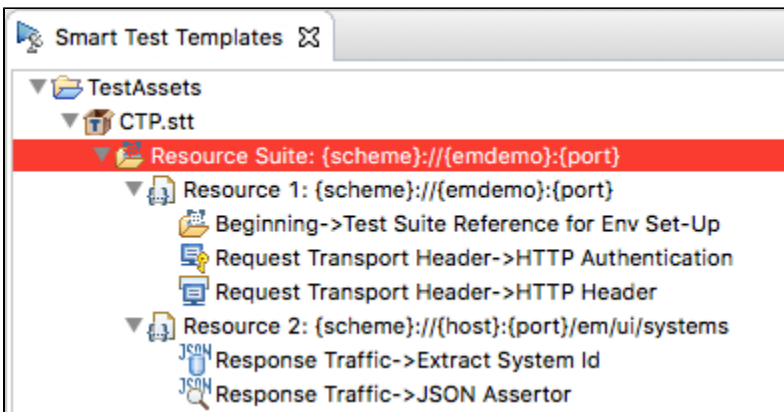
- [tst\\_creation.properties](#) - Web API [Test Creation Properties](#)
- [salesforce\\_tst\\_creation.properties](#) - Salesforce API [Salesforce Smart API](#)
- [guidewire\\_tst\\_creation.properties](#) - Guidewire API [GuidewireSmartAPI](#)

SOAtest Parasoft Recorder [Parasoft Recorder](#)

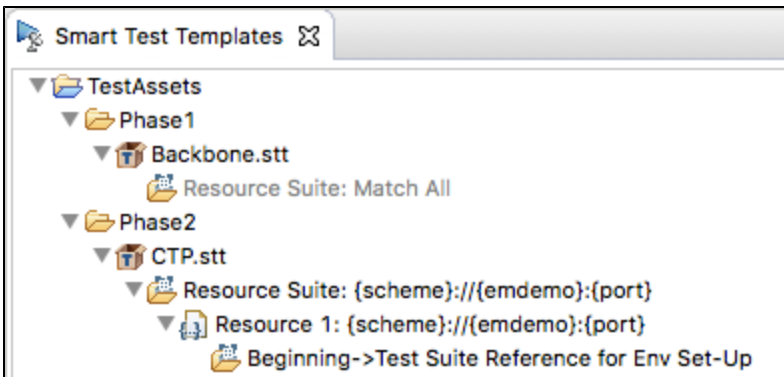
## Smart Test Template

Smart Test Template .sttSmart Test Template 1 Resource Suite Resource Suite

Resource Suite 1 Resource Template Smart Test API Resource Template Resource Template Resource Template

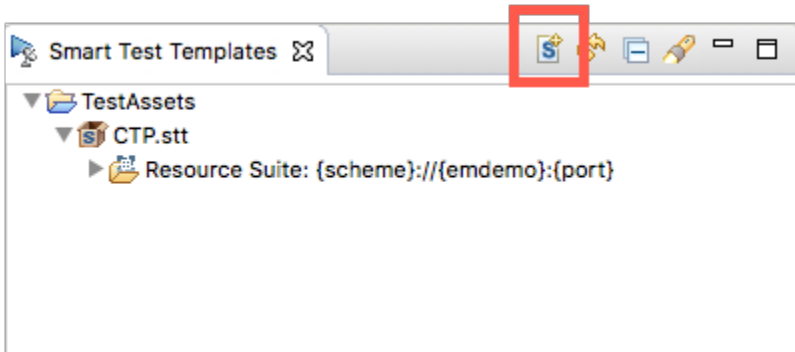


SOAtest Smart API .stt

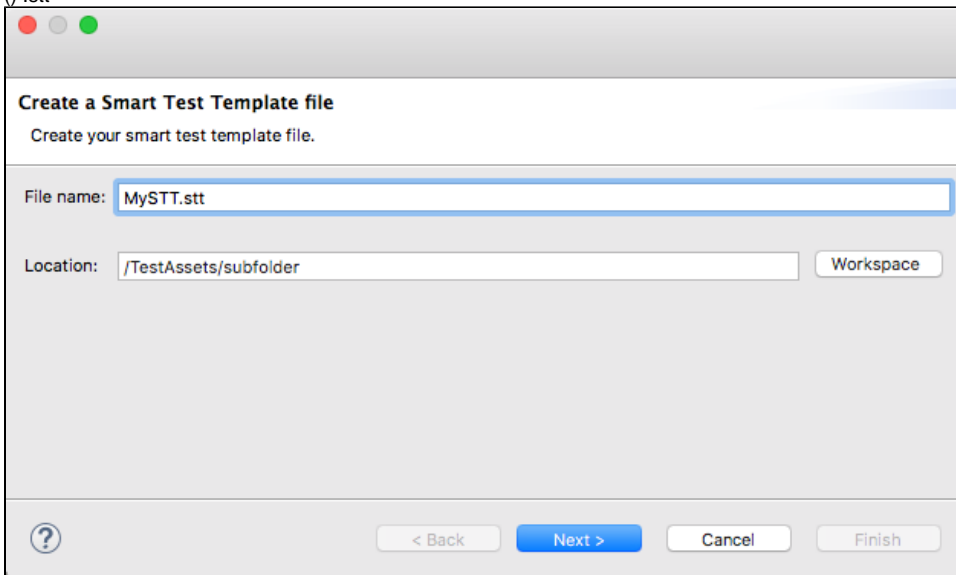


Smart Test Templates .stt .stt

1. [Parasoft] > [ ] > [Smart Test Templates] Smart Test Templates ( )
2. [Add Template] .stt



3. ( ) .stt



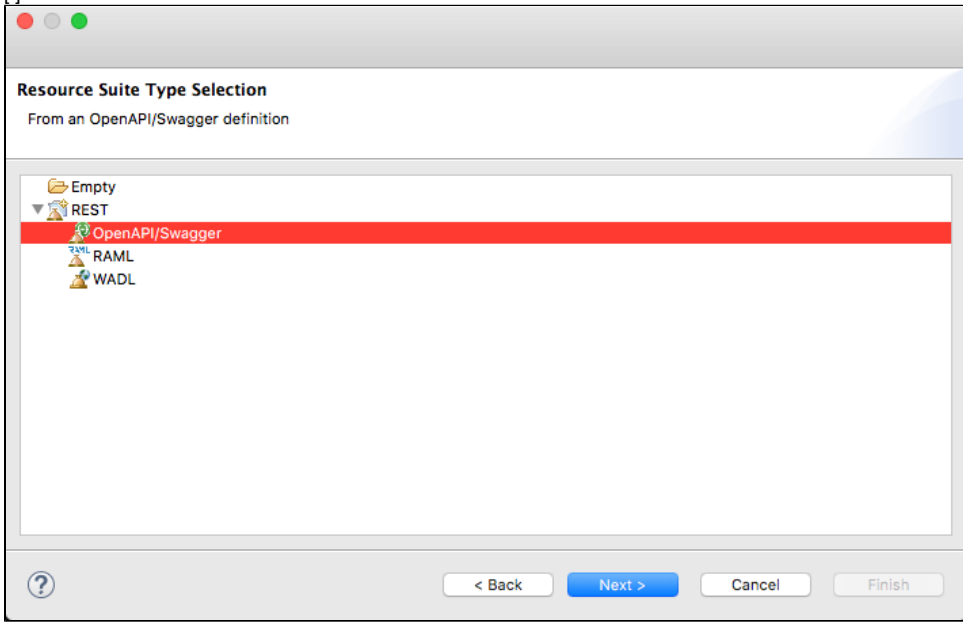
4. [ ]
5. Resource Suite

OpenAPI/Swagger

RAML

WADL

6. [ ]



7. [ ]

8. .stt **Resource Suite**

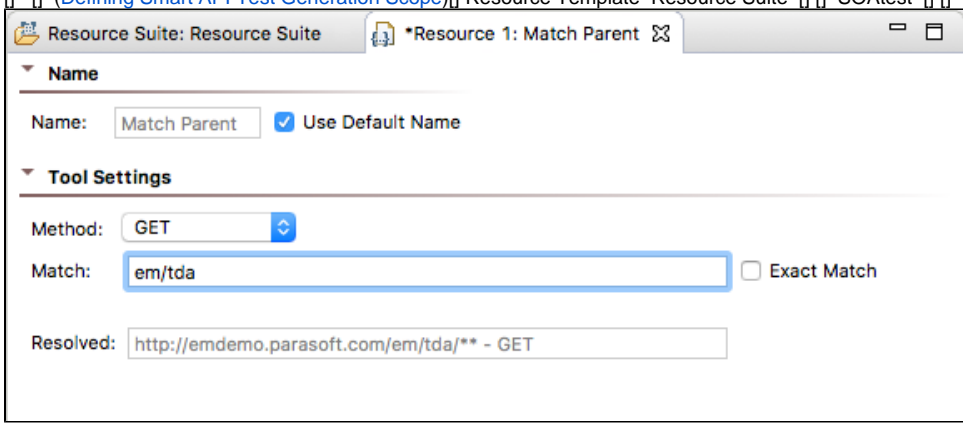
9. () [ ]

10. [ ] [ ] ([Defining Smart API Test Generation Scope](#)) [ ] Resource Suite Resource Suite [ ] [Example Smart Test Template](#)

11. Resource Suite [ ] > [**Resource Template**]

12. () [ ] [ ] Resource Template

13. [ ] [ ] ([Defining Smart API Test Generation Scope](#)) [ ] Resource Template Resource Suite [ ] [ ] SOAtest [ ] [ ]



Resource Template [Example Smart Test Template](#)

**JSON Assertor**

[JSON Assertor Resource Template Adding JSON Assertions](#)

14. Resource Template [...]

15. HTTP Authentication ([Enabling Authentication](#))

16. Resource Suite Resource Template .stt Resource Suite SOAtest

17.

[Parasoft Recorder](#) .stt

## SOAtest Smart API Test Generator

Resource Suite Resource Template

- {}
- {scheme}://{host}:{port}
- (\*) {}

```
{scheme}://{host}:/parabank/*/accounts/{id}
```

- 2

```
{scheme}://{host}:/parabank/**/{id}
```

- 

```
/parabank/services_proxy/bank/accounts/{id}
```

- 65535
- Resource Template Resource Suite Resource Suite []
- [] SOAtest [] Resource Template []

SOAtest Resource Template tst\_configuration.properties includeURLPatterns excludeURLPatterns Ant URL SOAtest

SOAtest HTTP Authentication HTTP Authentication .stt SOAtest Resource Template HTTP Authentication

1. Resource Template [...]
2. []
3. [HTTP ] []
4. HTTP Authentication
  - (HTTP )
  - NTLM
  - Kerberos
  - Digest

#### SOAtest

- [HTTP 1.0](#)
- [HTTP 1.1](#)

SOAtest HTTP Header HTTP Header .stt SOAtest Resource Template HTTP Header

1. Resource Template [...]
2. []
3. [HTTP ] []
4. []
- 5.

## JSON Assertion

Resource Template JSON Assertion == equals [Smart - From Traffic]

The screenshot shows the 'JSON Assessor' application window. The main configuration area is titled 'JSON Assessor' and includes a 'Name' field with the value 'JSON Assessor' and a 'Data Source' dropdown menu set to 'Testing'. Below this is the 'Tool Settings' section, which contains three tabs: 'Summary', 'Configuration', and 'Expected JSON'. The 'Configuration' tab is active, showing a 'Value Occurrence Assertion' configuration. The 'Name' field is set to 'Occurrence Assertion'. Under the 'Occurrence Assertion Configuration' section, the 'Occurrences of element must be' dropdown is set to '==', and the 'expected value:' dropdown is set to 'Fixed'. A text box next to it contains the value '[Smart - From Traffic]'. The interface also shows a sidebar with a tree view containing 'Value Occurrence Assertion' and 'Occurrence Assertion'.

## JSON Assertor

(JSON Assertor)SOAtest

- [] [Smart - From Traffic]
- [Smart - From Traffic] == equal
- [] [Smart - From Traffic] == 1 0
- 
  
- [] [Smart - From Traffic] == 1 0
- Has Contents Has Children Type
  
  
- [Smart - From Traffic]
- [] [Smart - From Traffic] 0
- DateTime
  
  
- [Smart - From Traffic]

## JSON Assertor

SOAtest

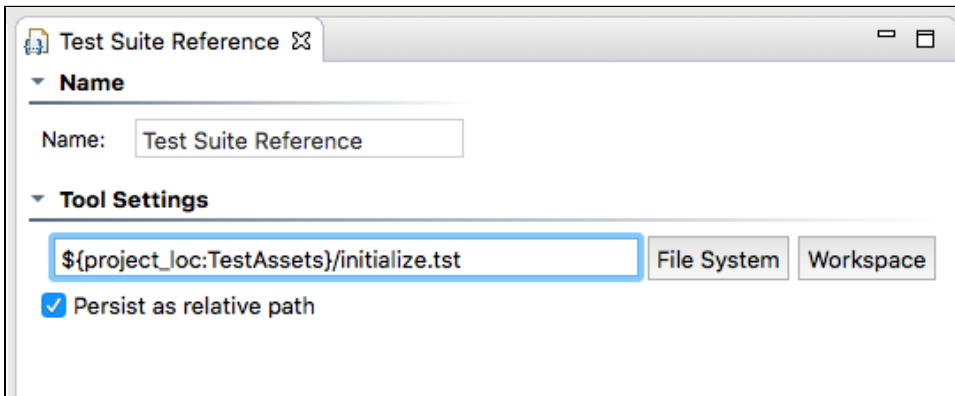
### .tst

.tst Smart API Test Generator [Training Based on .tst Files](#)

.stt 1 Resource Template 1

TestAssets \${project\_loc} /

1. Resource Template [...]
2. Suite []
3. Smart [[]]
- 4.



5. [] [] .tst

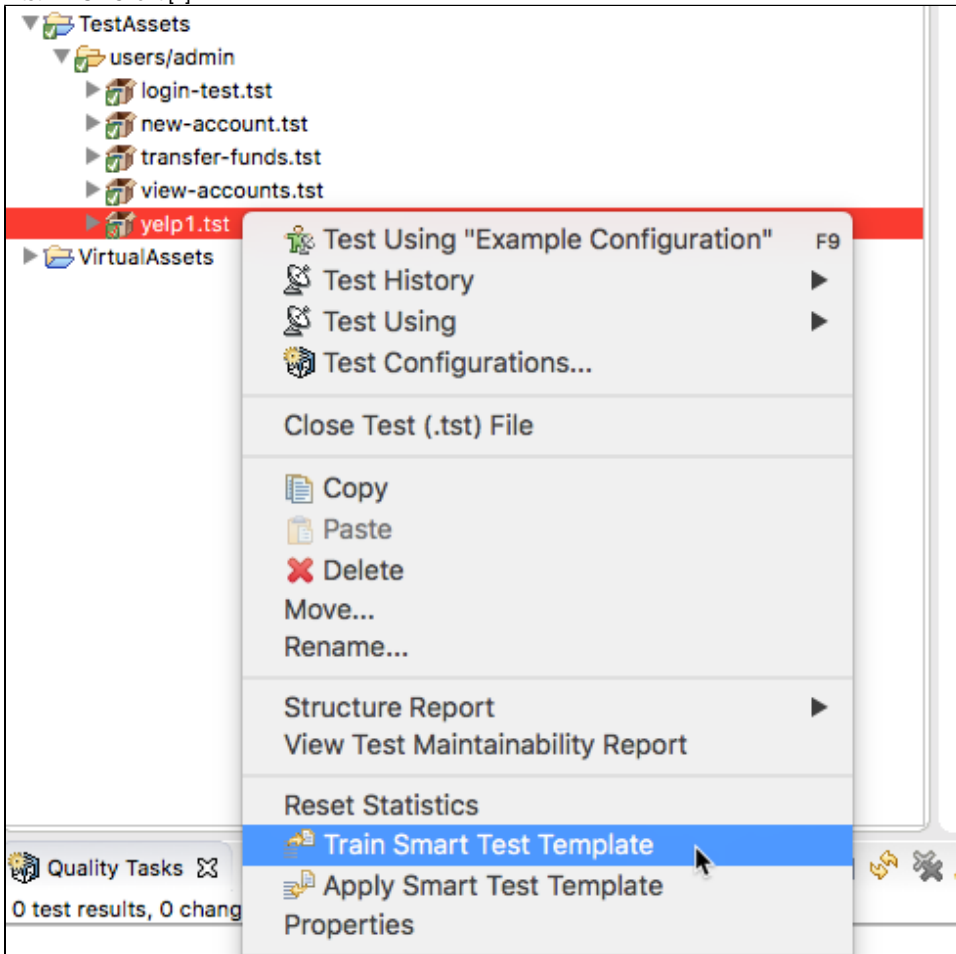
### .tst

SOAtest [REST Client](#) JSON SOAtest REST Client HTTP Authentication JSON Assertor REST Client URL .stt .stt Resource Suite Resource Template [] REST Client

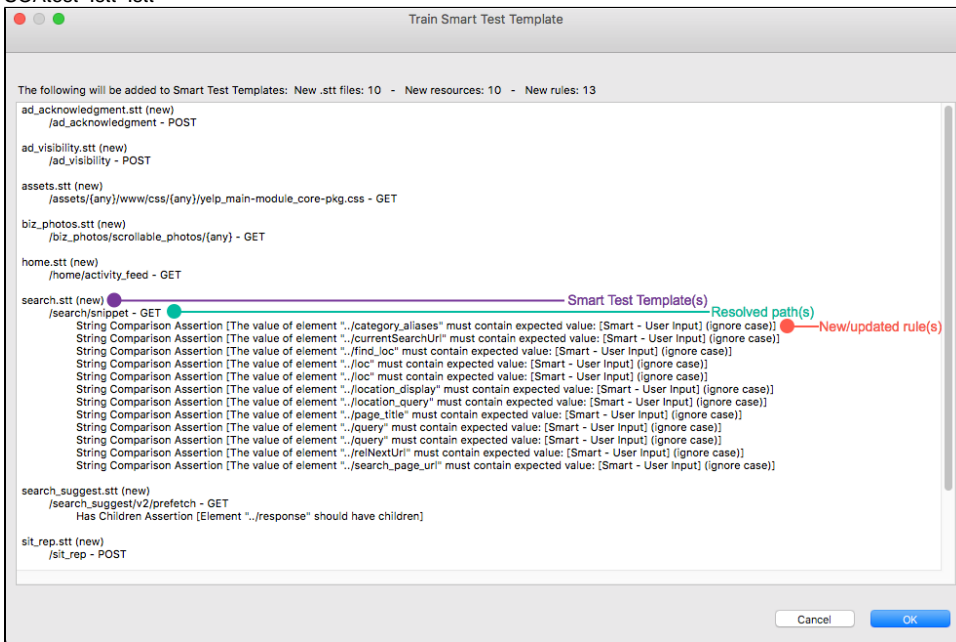
.stt SOAtest REST Client REST Client basePath

SOAtest REST basePath / "Exact"

1. .tst REST Client [ ]



2. SOAtest .stt .stt

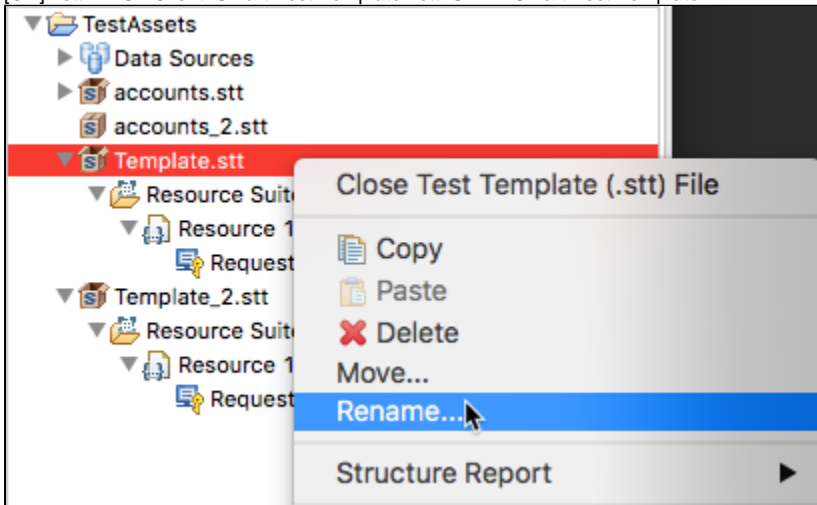


**JSON Asserter Smart API Test Generator**

(= equals) [Smart - User Input] [Smart - From Traffic]

.stt

3. [OK] .stt REST Client Smart Test Template .stt URL Smart Test Template

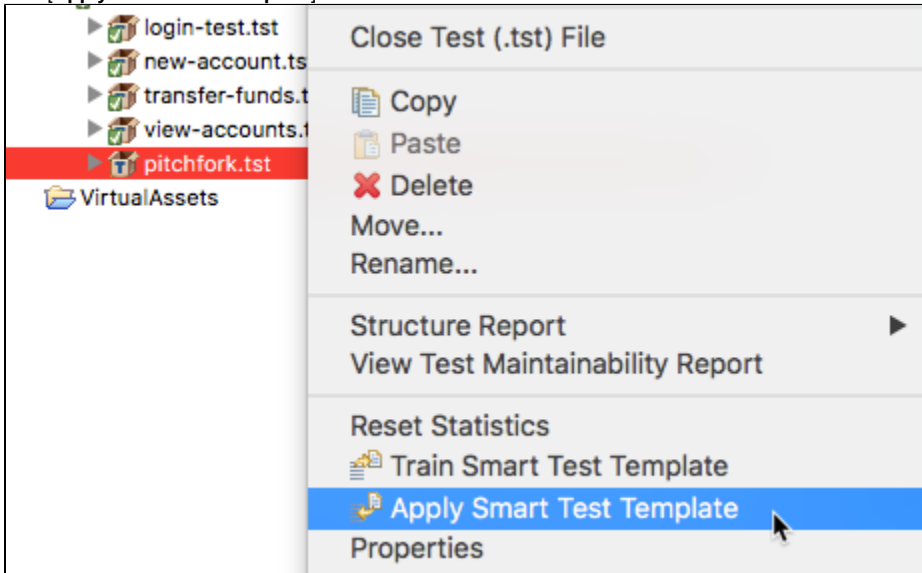


- 4. Resource Suite Resource Template [ ] [Defining Smart API Test Generation Scope](#)
- 5. .stt [Manually Creating and Configuring Test Templates](#)

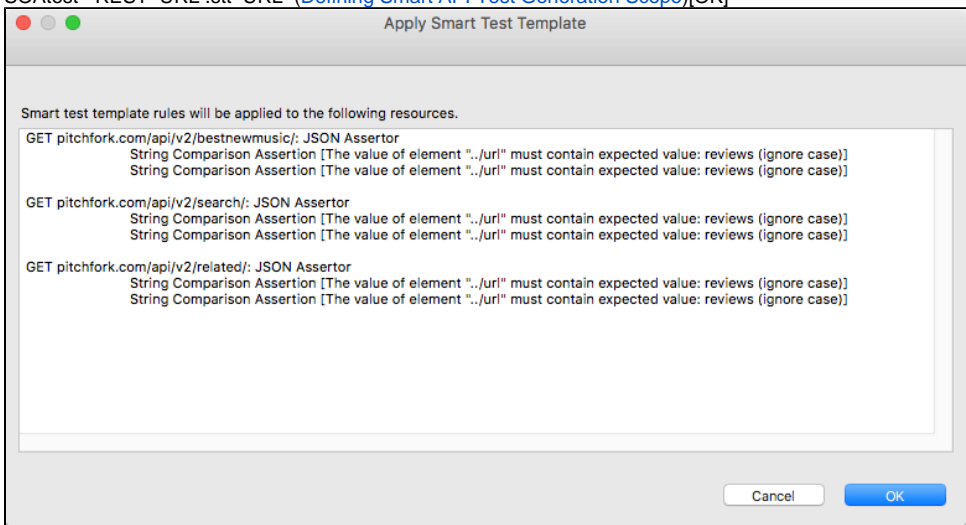
## .tst Smart Test

.stt REST Client

1. .tst [Apply Smart Test Template]

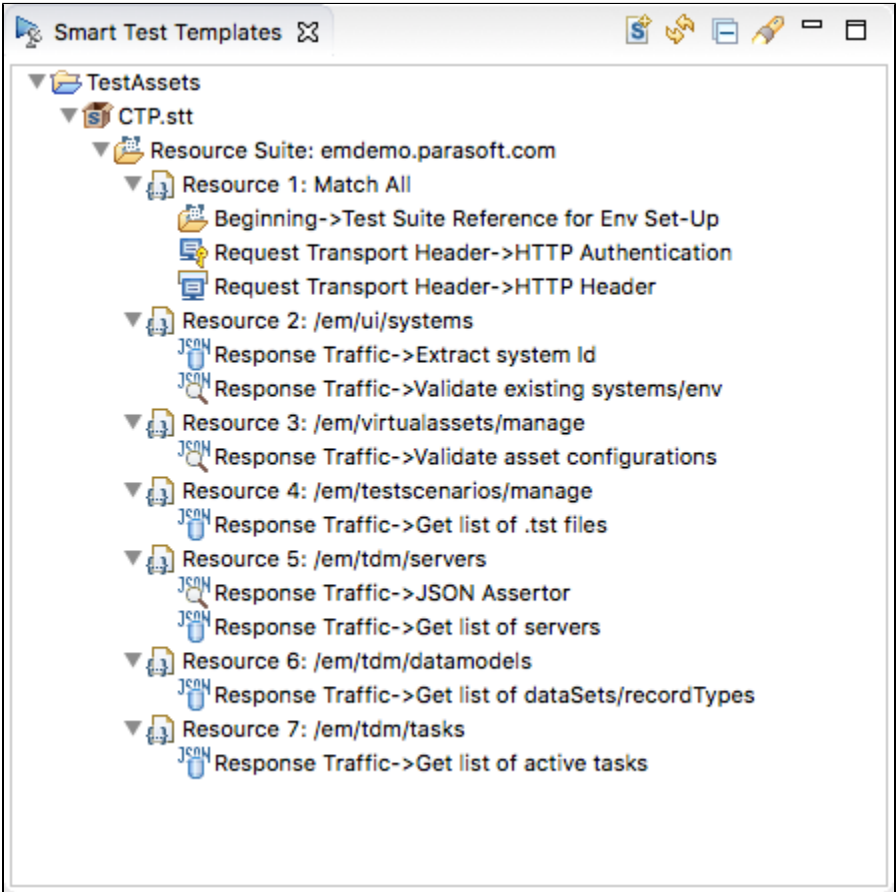


2. SOAtest REST URL .stt URL (Defining Smart API Test Generation Scope)[OK]



## Smart Test Template

.stt (CTP) 1



"emdemo" emdemo Test Reference Suite HTTP Authentication HTTP Header



Resource Template emdemo Resource Template "Resource 3" "/em/virtualassets/manage" JSON Assertor

## Salesforce Smart API

Salesforce Smart API SOAtest TestAssets / test\_templates *salesforce\_tst\_creation.properties*

```
applicationType=Salesforce customHandlerClass.1=com.parasoft.webtool.testcreator.handlers.salesforce.AuraConfig
includeContentTypes=application/json, application/x-www-form-urlencoded, text/html, text/plain
disableDiffCreation=true includeURLPatterns=**.force.com,**.salesforce.com excludeURLPatterns=*/jslibrary/,
/file-asset/,/auraFW/resources/,/auraCmpDef?**,*/LayoutMeta?**,*/cometd/,/_nc_external/system/,/apex/,/l/**,**
/contentDoor?**,/customerportal/**,**/promos.html requestPayloadParameterizationExcludeNames.1=^pageSize$
requestPayloadParameterizationExcludeNames.2=^max[A-Za-z]+ requestPayloadParameterizationExcludeNames.
3=^actionsRequestId$ requestPayloadParameterizationExcludeNames.4=^request$
requestPayloadParameterizationExcludeNames.5=^numRecordsToShow$ requestQueryStringParameterizationExcludeNames.
1=^r$
```

Smart Test SOAtest *salesforce\_tst\_creation.properties* applicationType SOAtest [Smart API](#)

## Guidewire Smart API

Guidewire Smart API SOAtest TestAssets/test\_templates *guidewire\_tst\_creation.properties*

```
applicationType=Guidewire includeContentTypes=application/json, application/x-www-form-urlencoded, multipart
/form-data disableDiffCreation=true includeURLPatterns=**/cag/j_spring_security_check,**/bc/*.do,**/pc/*.do
```

Smart Test SOAtest *guidewire\_tst\_creation.properties* applicationType SOAtest [Smart API](#)

tst\_creation.properties tst\_creation.properties SOAtest TestAssets/test\_templates SOAtest Web Proxy

Smart Test SOAtest *tst\_creation.properties* applicationType SOAtest [Smart API](#)

<b>applicationType</b>	Smart API SOAtest <a href="#">Smart API</a>
<b>customHandlerClass.&lt;number&gt;</b>	<a href="#">Salesforce</a> <a href="#">Smart API</a>
<b>includeContentTypes</b>	application/json,application/x-www-form-urlencoded
<b>excludeContentTypes</b>	
<b>disableDiffCreation</b>	diff /Diff false
<b>disableDiffParameterization</b>	diff /diff diff ( true ) false

<b>disableEnvironmentCreation</b>	/ false
<b>disableDataBankCreation</b>	/Data Exchange false
<b>disableAsserorCreation</b>	JSON Asseror / false JSON Asseror
<b>diffToollgnoreNames.&lt;number&gt;</b>	diff (?i)^(time date url href).* .<number> : diffToollgnoreNames.1=<name_pattern_1> diffToollgnoreNames.2=<name_pattern_3> diffToollgnoreNames.3=<name_pattern_3>
<b>diffToollgnoreValues.&lt;number&gt;</b>	diff [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}([.][0-9]{1,3})?(((+)[0-9]{2}:[0-9]{2}) Z)? .<number> : diffToollgnoreValues.1=<value_pattern_1> diffToollgnoreValues.2=<value_pattern_3> diffToollgnoreValues.3=<value_pattern_3>
<b>asserorToollgnoreQueryParameterNames.&lt;number&gt;</b>	JSON Asseror "maxResultsSize" (?i)^(maxResultSize).* .<number>
<b>asserorToollgnoreQueryParameterValues.&lt;number&gt;</b>	JSON Asseror [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}([.][0-9]{1,3})?(((+)[0-9]{2}:[0-9]{2}) Z)? .<number>
<b>asserorToollgnoreFieldNames.&lt;number&gt;</b>	JSON Asseror time date url href sessionId transactionId (?i)^(time date url href sessionId transactionId).* .<number>
<b>asserorToollgnoreFieldValues.&lt;number&gt;</b>	JSON Asseror [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}([.][0-9]{1,3})?(((+)[0-9]{2}:[0-9]{2}) Z)? .<number> : asserorToollgnoreFieldValues.1=<value_pattern_1> asserorToollgnoreFieldValues.2=<value_pattern_3> asserorToollgnoreFieldValues.3=<value_pattern_3>
	URL Ant / URL

<b>includeURLPatterns</b>	<pre> : 'www.example.com' URL includeURLPatterns=www.example.com # 'example' URL includeURLPatterns=*.example.com 'path' URL includeURLPatterns=**/path/** 'path' URL includeURLPatterns=**/path 'path' URL includeURLPatterns=**/path?*</pre>
<b>excludeURLPatterns</b>	<pre> URL Ant / URL : 'www.example.com' URL excludeURLPatterns=www.example.com # 'example' URL excludeURLPatterns=*.example.com 'path' URL excludeURLPatterns=**/path/** 'path' URL excludeURLPatterns=**/path 'path' URL excludeURLPatterns=**/path?*</pre>
<b>includeTextResponseValues.&lt;number&gt;</b>	<pre> 1 2 includeTextResponseValues.1="([-A-Za-z0-9%_+=./]{10,})" includeTextResponseValues.2='([-A-Za-z0-9%_+=./]{10,})'</pre>
<b>includeTextResponseContentTypes</b>	<pre> includeTextResponseValues text/html</pre>
<b>requestPayloadParameterizationExcludeNames.&lt;number&gt;</b>	<pre> requestPayloadParameterizationExcludeNames.1=(?i)^(time date).*</pre>
<b>requestQueryStringParameterizationExcludeNames.&lt;number&gt;</b>	<pre> requestPayloadParameterizationExcludeNames.1=(?i)^(time date).*</pre>
<b>useServerSettings</b>	<pre> tst_creation.properties SOAtest tst_creation.properties true</pre>

### tst\_creation.properties

```

includeContentTypes=application/json, application/x-www-form-urlencoded
excludeContentTypes=image/png, font/ttf, text/css, application/javascript
disableDiffCreation=false
disableDiffParameterization=false
disableEnvironmentCreation=false
```

```

disableDataBankCreation=false
disableAssertionCreation=true
# Ignore values that start with "time", "date", "url" or "href" in diff tool, case insensitive
diffToolIgnoreNames.1=(?i)^(time|date|url|href).*
# Ignore values that end with "time", "date", "url" or "href" in diff tool, case insensitive
diffToolIgnoreNames.2=(?i).*(time|date|url|href)$
# Ignore values like a timestamp in diff tool, e.g. 2018-03-21T07:00:00.000Z
diffToolIgnoreValues.1=[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.[0-9]{1,3})?(([\+-][0-9]{2}:[0-9]{2})|Z)?
# Ignore query parameters when creating assertions based on parameter name pattern
assertorToolIgnoreQueryParameterNames.1=(?i)^(maxResultSize).*
# Ignore query parameters when creating assertions based on parameter value pattern
assertorToolIgnoreQueryParameterValues.1=[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.[0-9]{1,3})?(([\+-][0-9]{2}:[0-9]{2})|Z)?
# Ignore fields in payload when creating assertions based on field name pattern
assertorToolIgnoreFieldNames.1=(?i)^(time|date|url|href|sessionId|transactionId).*
# Ignore fields in payload when creating assertions based on field value pattern
assertorToolIgnoreFieldValues.1=[0-9]\{4\}-[0-9]\{2\}-[0-9]\{2\}T[0-9]\{2\}:[0-9]\{2\}:[0-9]\{2\}(\.[0-9]\{1,3\})?(([\+-][0-9]\{2\}:[0-9]\{2\})|Z)?
# Comma separated list of URL patterns where pattern matching is the same as Apache Ant. URLs can be case sensitive.
includeURLPatterns=http://{host}:8080/path/**/resources/*
excludeURLPatterns=https://{host}:8443/path/**/resources/*

# Exclude from being parameterized field names in request payload
requestPayloadParameterizationExcludeNames.1=(?i)^(time|date).*

```

## SOAtest

SOAtest tst\_creation.properties

```

version=2

# ===== SOAtest 2020.2 RELEASE UPDATES =====
# Consider values in text responses as candidates to be databanked based on matching pattern.
# If a match is found, extract the substring that matches the pattern enclosed by the parentheses as the candidate.
# At least one pair of parentheses is required; otherwise, no value will be extracted.
includeTextResponseValues.1="([A-Za-z0-9%_+.]{10,})"
includeTextResponseValues.2='([A-Za-z0-9%_+.]{10,})'

# Consider only these text response types for extracting response values
includeTextResponseContentTypes=text/html

# ===== PREVIOUSLY CONFIGURED SETTINGS =====
includeContentTypes=application/json, application/x-www-form-urlencoded
#excludeContentTypes=
#disableDiffCreation=false
#disableDiffParameterization=false
#disableEnvironmentCreation=false
#disableDataBankCreation=false
#disableAssertorCreation=false
# Ignore values that start with "time", "date", "url" or "href" in diff tool, case insensitive
...

```

.bak