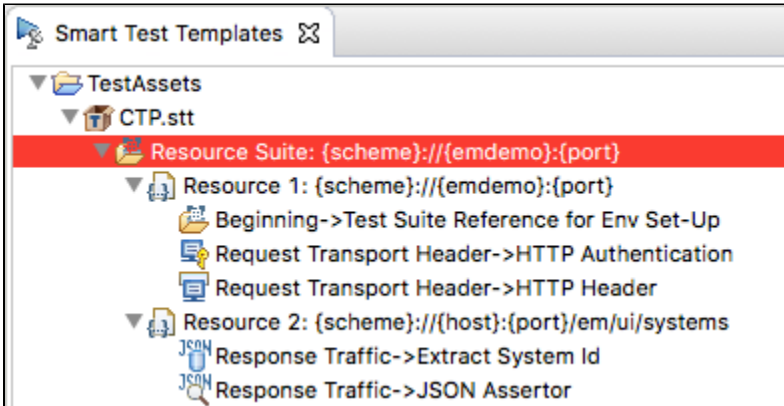


Smart API

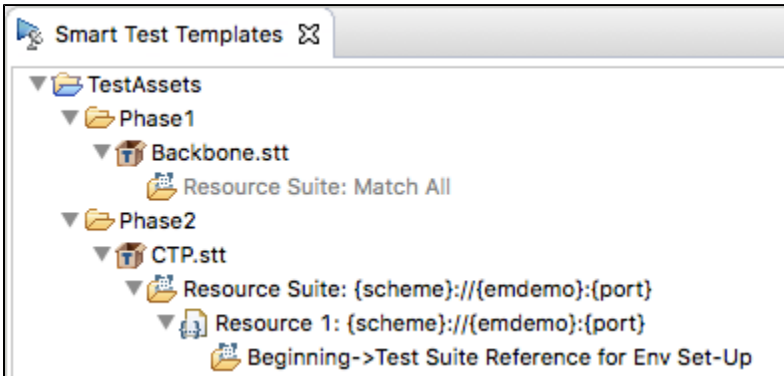
SOAtestParasoft Recorder API Web API Parasoft Recorder API SOAtest AI Smart API API Smart API SOAtest :

-
-
- .tst
- .tst Smart Test
- Smart Test Template
- Salesforce Smart API
-

Smart Test Template (.stt) Smart Test Template 1 Resource Suite Resource Suite Resource Suite 1 Resource Template Resource Template Resource Template



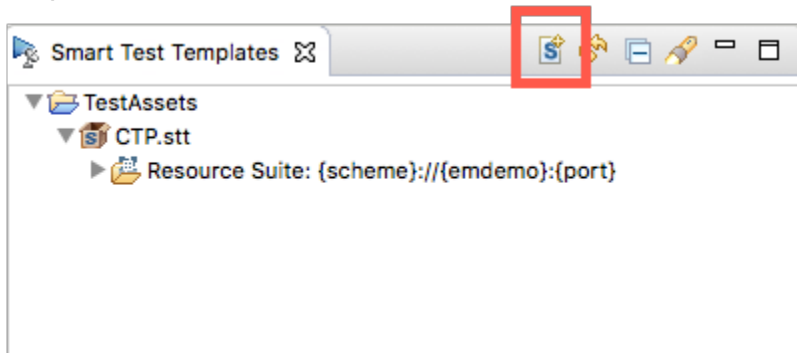
SOAtest Smart API .stt



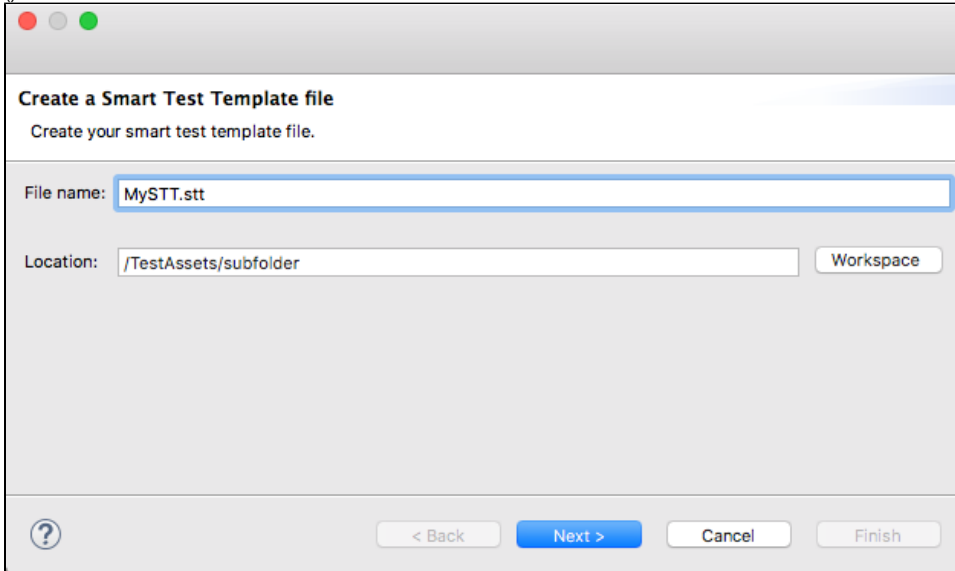
Smart Test Templates .stt .stt

1. [Parasoft] > [] > [Smart Test Templates] Smart Test Templates ()

2. [Add Template].stt



3. ().stt



4. []

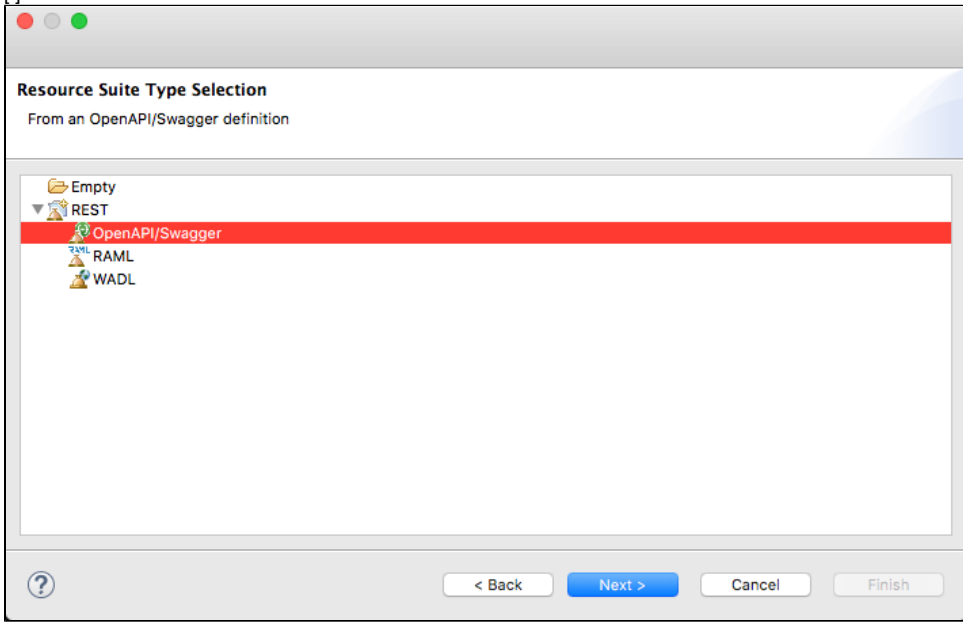
5. Resource Suite

[OpenAPI/Swagger](#)

[RAML](#)

[WADL](#)

6. []



7. []

8. .stt **Resource Suite**

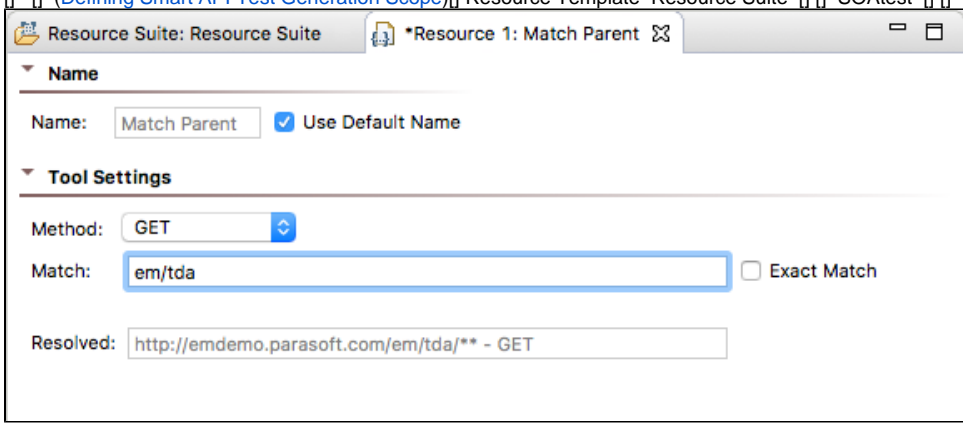
9. () []

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](#)

Virtualize

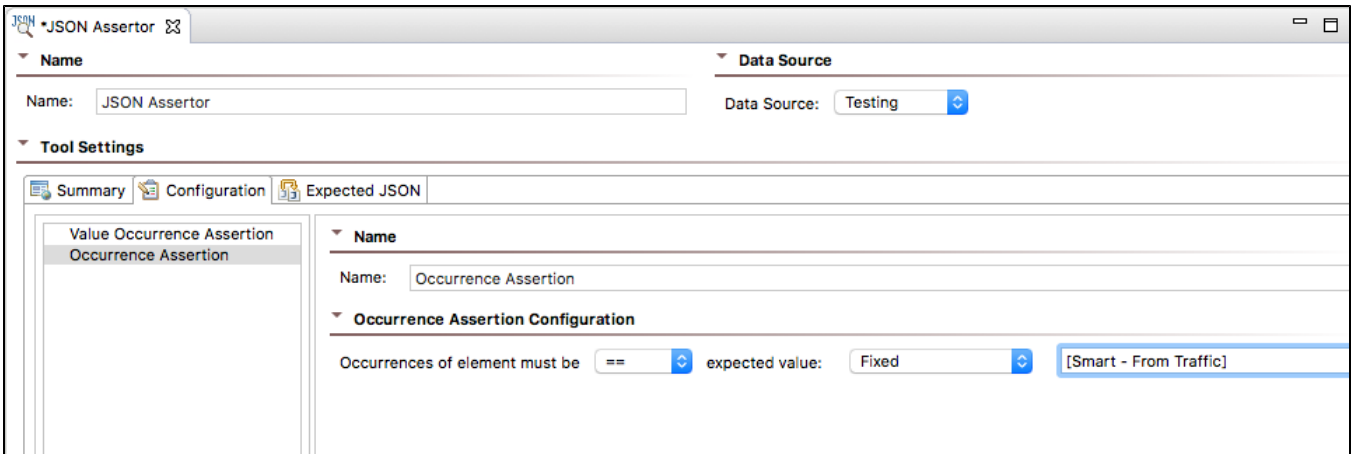
- [HTTP 1.0](#)
- [HTTP 1.1](#)

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]



JSON Asserter

(JSON Asserter)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 Asserter

SOAtest

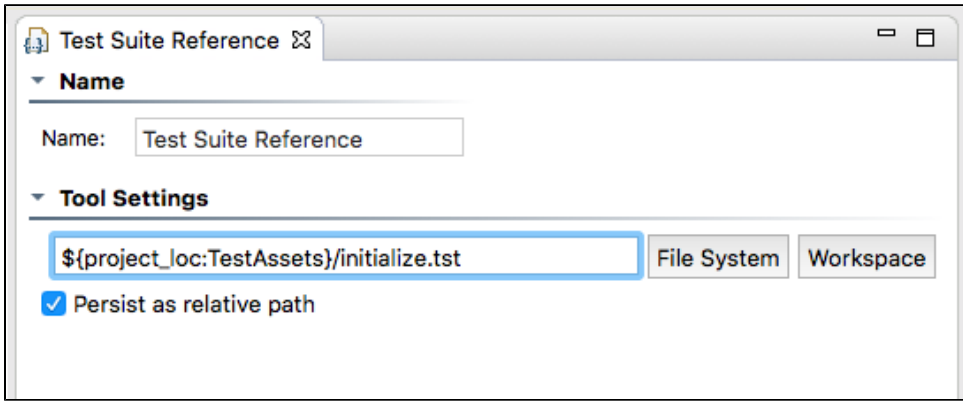
.tst

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

.stt 1 Resource Template 1 /

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

4.



[] [] .tst

5.

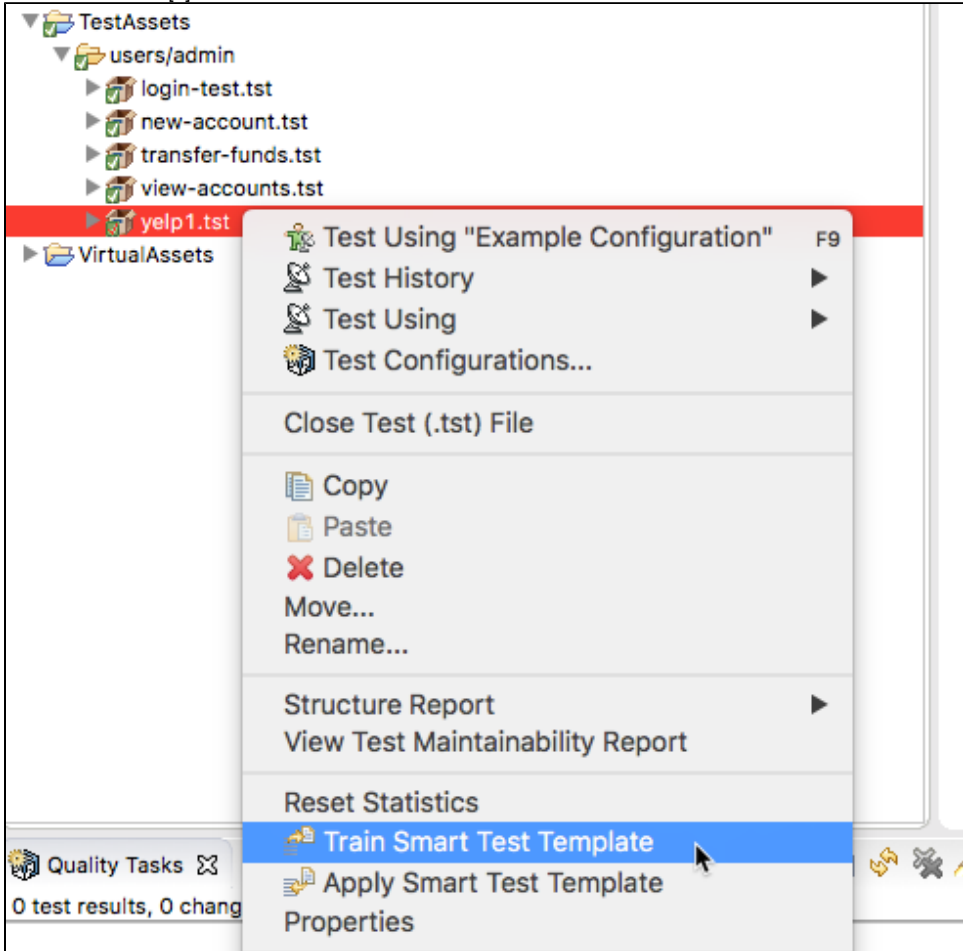
.tst

REST Client JSON SOAtest SOAtest REST Client HTTP Authentication JSON Asseror REST Client URL .stt .stt Resource Suite Resource Template [] REST Client

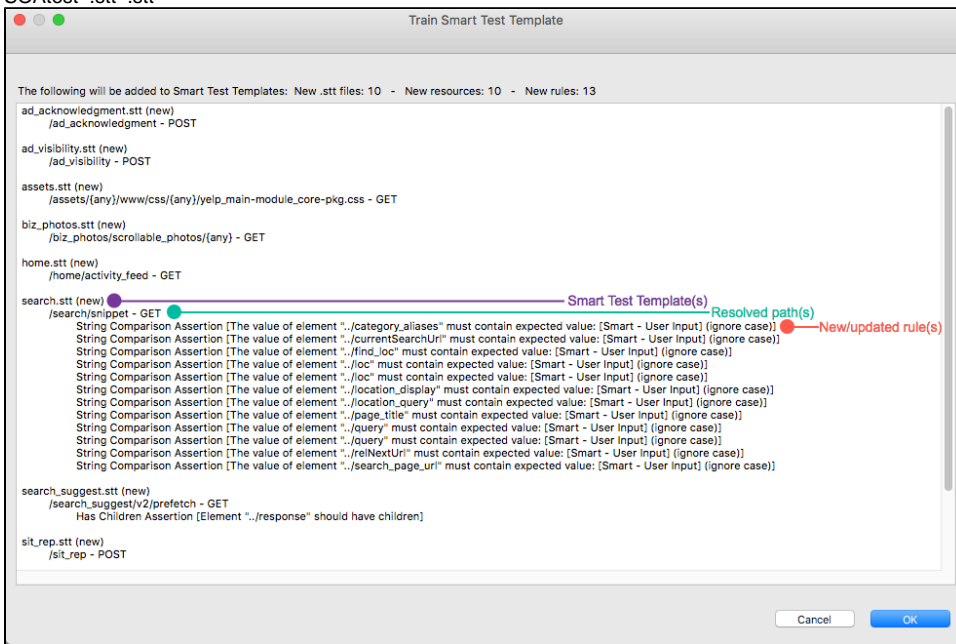
.stt SOAtest REST Client REST Client basePath

SOAtest REST basePath / "Exact"

1. .tst REST Client []



2. SOAtest .stt .stt

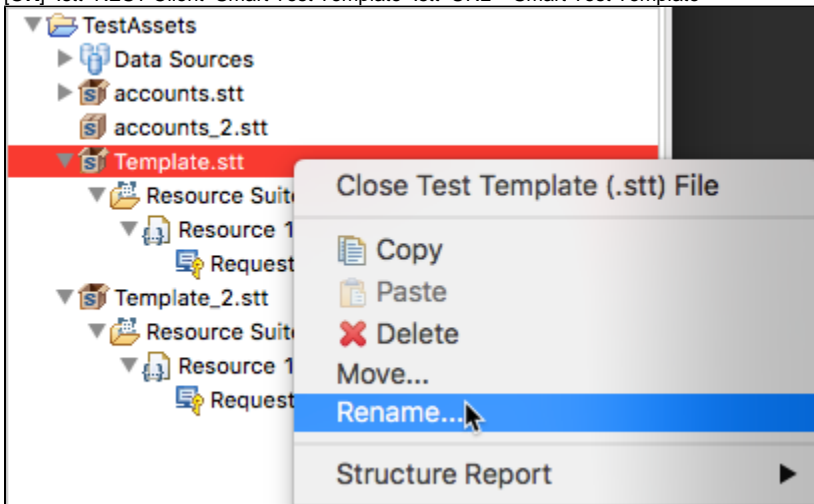


JSON Asseror Smart API Test Generator

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

.stt

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

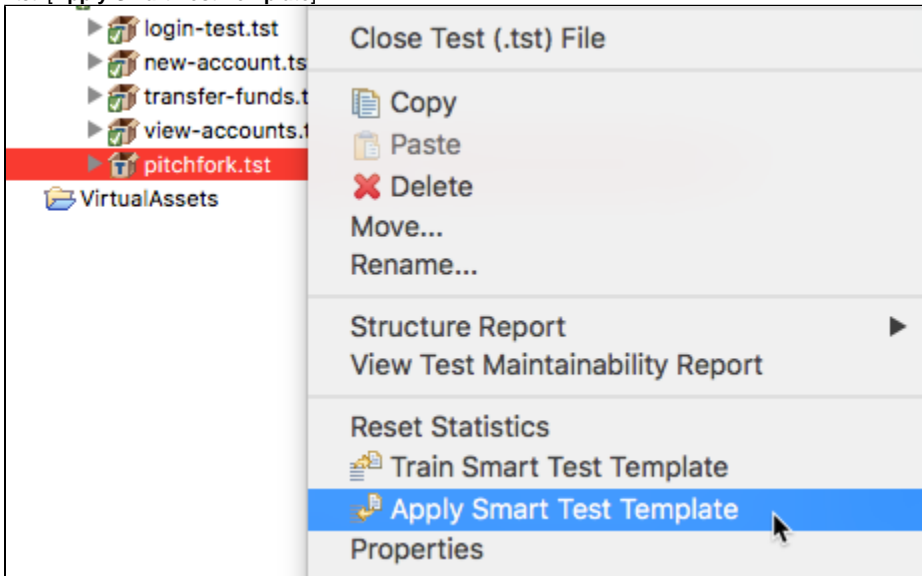


- 4. Resource Suite Resource Template [[Defining Smart API Test Generation Scope](#)
- 5. .stt [Manually Creating and Configuring Test Templates](#)

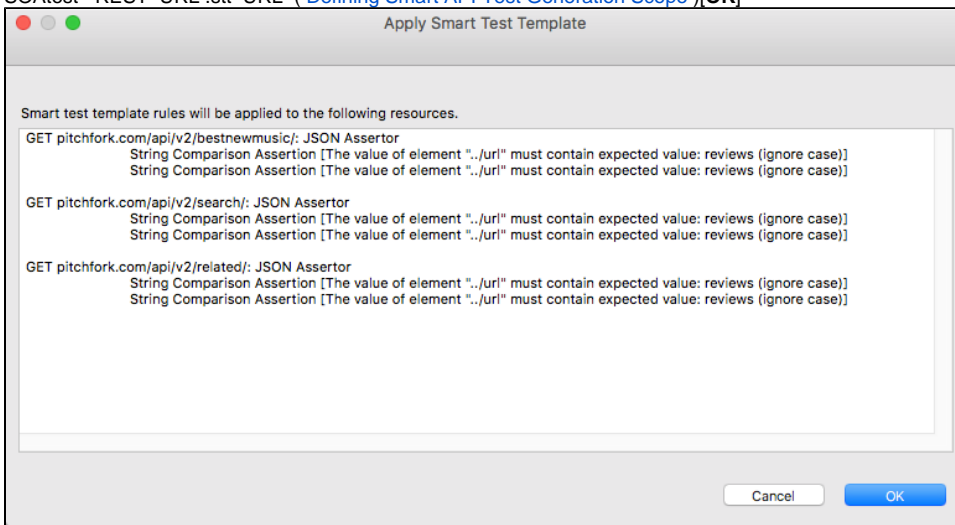
.tst Smart Test

.stt REST Client

1. .tst [Apply Smart Test Template]

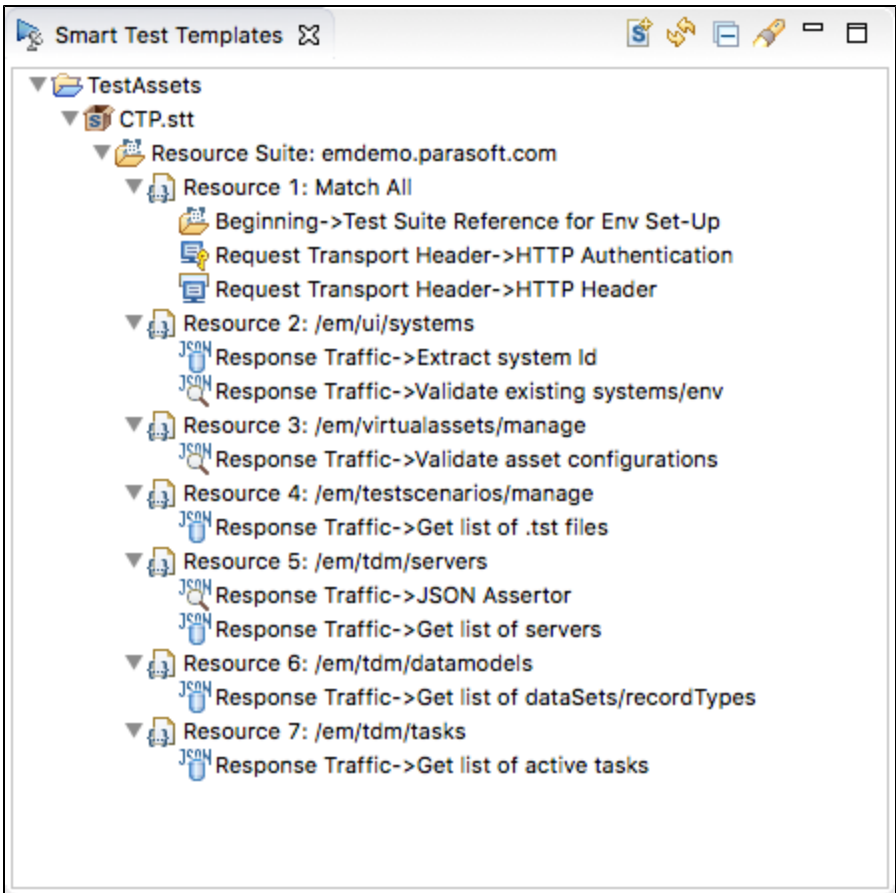


2. SOAtest REST URL .stt URL (Defining Smart API Test Generation Scope)(OK)

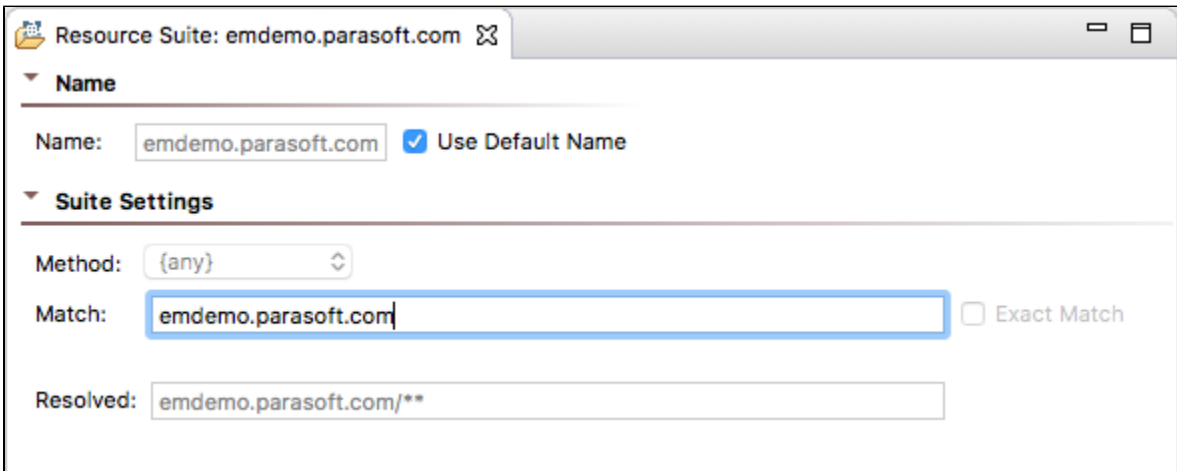


Smart Test Template

.stt (CTP) 1



"emdemo" emdemo Test Reference Suite HTTP Authentication HTTP Header



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

Salesforce Smart API

Salesforce Smart API

tst_creation.properties Salesforce Smart API

```
customHandlerClass.1=com.parasoft.webtool.testcreator.handlers.salesforce.AuraConfig
```

:

```
includeContentTypes=application/json, application/x-www-form-urlencoded, text/html, text/plain
disableDiffCreation=true
disableDiffParameterization=true
includeURLPatterns=**.force.com,**.salesforce.com
```

Salesforce :

```
excludeURLPatterns=*/jslibrary//file-asset//auraFW/resources//auraCmpDef?*/LayoutMeta?*/cometd/,
/_nc_external/system//apex//1/**
```

:

```
requestPayloadParameterizationExcludeNames.1=^pageSize$ requestPayloadParameterizationExcludeNames.2=^max[A-Za-
z]+ requestPayloadParameterizationExcludeNames.3=^actionsRequestId$ requestPayloadParameterizationExcludeNames.
4=^request$ requestPayloadParameterizationExcludeNames.5=^numRecordsToShow$
requestQueryStringParameterizationExcludeNames.1=^r$
```

tst_configuration.properties

tst_creation.properties tst_creation.properties SOAtest TestAssets SOAtest Web Proxy

tst_creation.properties

includeContentTypes	application/json,application/x-www-form-urlencoded
excludeContentTypes	
disableDiffCreation	diff /Diff false
disableDiffParameterization	diff/diff diff (true) false
disableEnvironmentCreation	/ false
disableDataBankCreation	/Data Exchange false
disableAsserterCreation	JSON Asserter / false JSON Asserter
customHandlerClass.<number>	
diffToolIgnoreNames.<number>	diff (?i)^(time date url href).* .<number> : diffToolIgnoreNames.1=<name_pattern_1> diffToolIgnoreNames.2=<name_pattern_3> diffToolIgnoreNames.3=<name_pattern_3>
diffToolIgnoreValues.<number>	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> : diffToolIgnoreValues.1=<value_pattern_1> diffToolIgnoreValues.2=<value_pattern_3> diffToolIgnoreValues.3=<value_pattern_3>

assertorToolIgnoreQueryParamNames.<number>	JSON Assessor "maxResultsSize" (?i)^(maxResultSize).* .<number>
assertorToolIgnoreQueryParamValues.<number>	JSON Assessor [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>
assertorToolIgnoreFieldNames.<number>	JSON Assessor time date url href sessionId transactionId (?i)^(time date url href sessionId transactionId).* .<number>
assertorToolIgnoreFieldValues.<number>	JSON Assessor [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> : assertorToolIgnoreFieldValues.1=<value_pattern_1> assertorToolIgnoreFieldValues.2=<value_pattern_3> assertorToolIgnoreFieldValues.3=<value_pattern_3>
includeURLPatterns	URL Ant / URL parasoft.com URL includeURLPatterns=*. parasoft.com
excludeURLPatterns	URL Ant / URL parasoft.com 8443 URL excludeURLPatterns=*. parasoft.com :8443
requestPayloadParameterizationExcludeNames.<number>	 requestPayloadParameterizationExcludeNames.1=(?i)^(time date).*
requestQueryStringParameterizationExcludeNames.<number>	 requestPayloadParameterizationExcludeNames.1=(?i)^(time date).*
useServerSettings	tst_creation.properties SOAtest tst_creation.properties true

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).*
```