

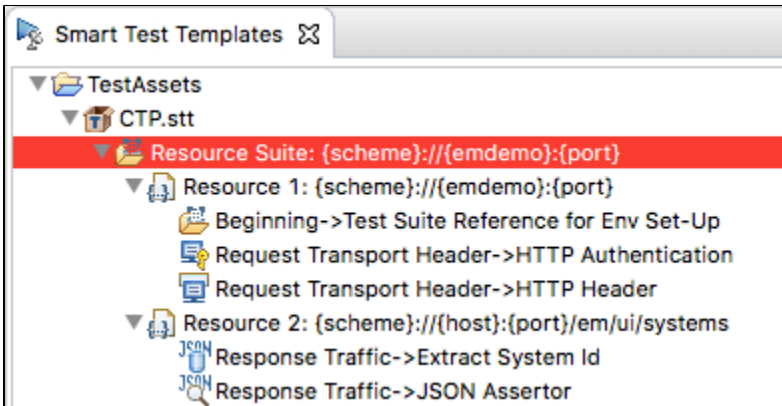
# API

- 
- 
- 
- .tst
- .tst
- 
- Salesforce API

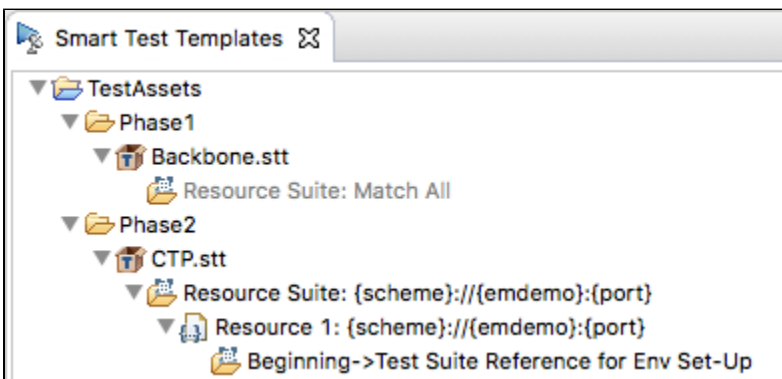
SOAtest [Parasoft](#) API web API "" API ""SOAtest API

.stt

API .



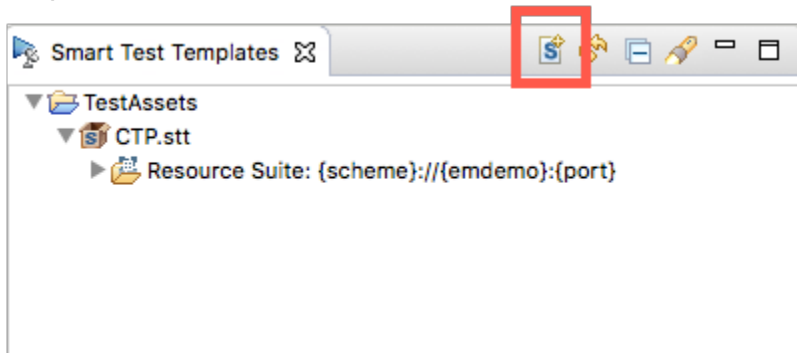
SOAtest API .stt



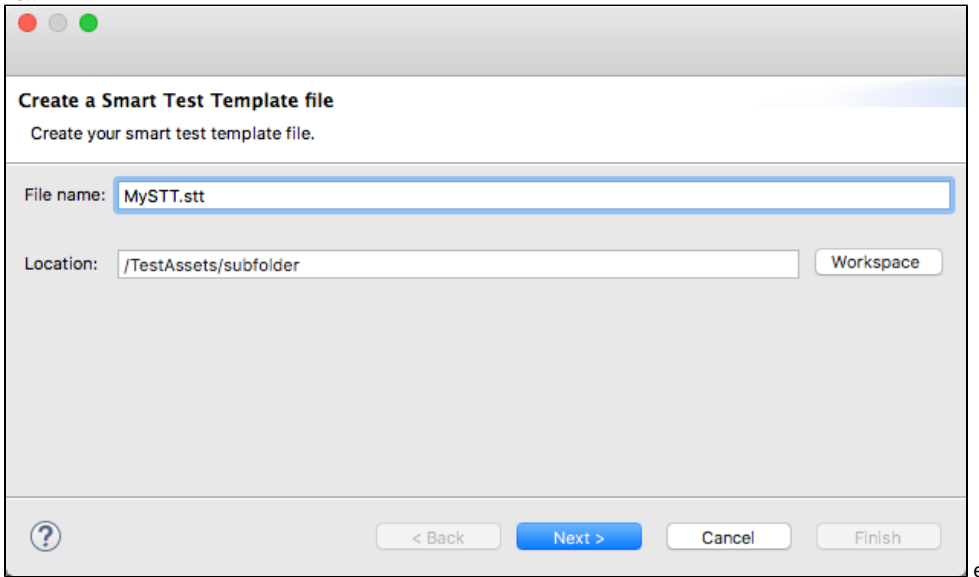
[Smart Test Templates View](#) .stt .stt

1. Parasoft> Show View> Smart Test Templates

2. Add Template .stt



3. .stt



4. Next

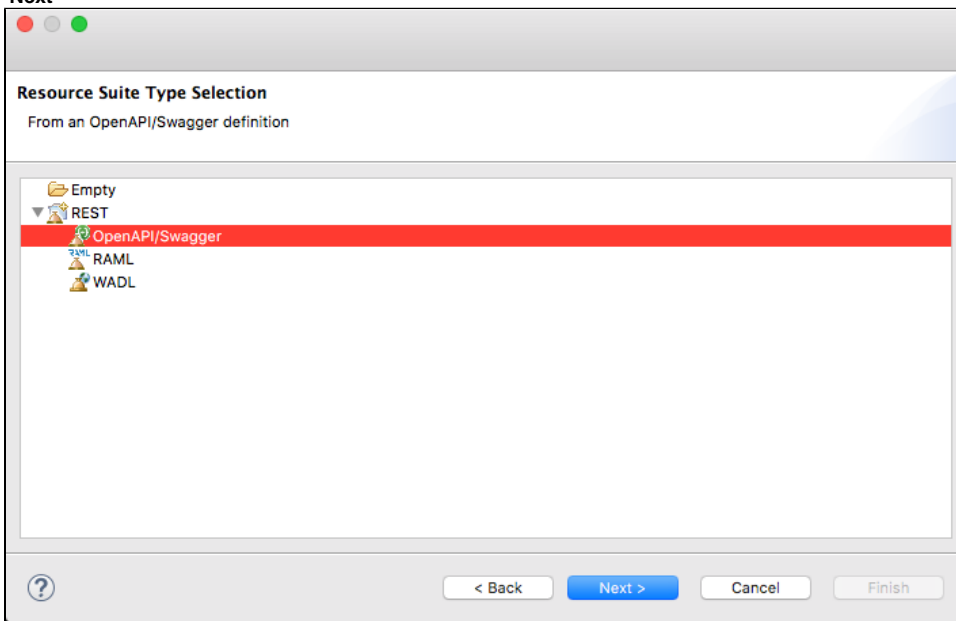
5.

[OpenAPI/Swagger](#)

[RAML](#)

[WADL](#)

6. **Next**



7. **Finish**

8. .stt **Resource Suite**

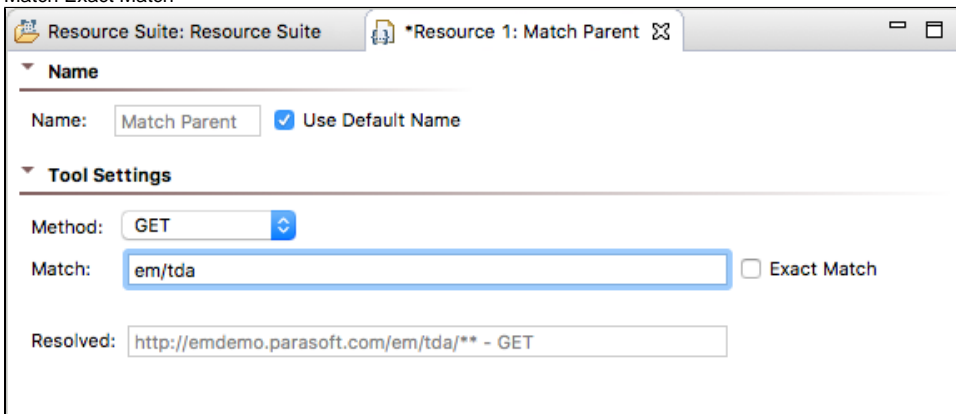
9. Use Default Name

10. Match you want the rules in this suite to apply to [Defining Smart API Test Generation ScopeResolved Nested Resource Suites Match Example Smart Test Template](#)

11. Resource Suite **Add New> Resource Template**

12. Use Default Name Name

13. Method Match you want the rules in this suite to apply to [Defining Smart API Test Generation ScopeResolved Match SOAtest Match Exact Match Exact Match](#)



SOAtest [Example Smart Test Template](#)

**JSON**

[JSON Adding JSON Assertions](#)

14. Resource Suite **Add Output...**

15. HTTP [Enabling Authentication](#)

16. .stt SOAtest

17.

[Parasoft](#) .stt

## API

- {}, schemehost port

{scheme}://{host}:{port}

- (\*) {}  
 {scheme}://{host}:/parabank/\*/accounts/{id}
- {scheme}://{host}:/parabank/\*\*/{id}
- schemehost port schemehost port  
 /parabank/services\_proxy/bank/accounts/{id}
- 65535
- Match
- SOAtest Match Exact Match Exact Match

SOAtest SOAtest tst\_configuration.properties includeURLPatterns excludeURLPatterns Ant URL [Test Creation Properties](#)

SOAtest HTTP HTTP .stt SOAtest HTTP

1. Resource Suite **Add Output..**
2. Request **Transport Header**
3. **HTTP Authentication Finish**
4. HTTP
  - Basic HTTP
  - NTLM
  - Kerberos
  - Digest

#### SOAtest

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

#### Virtualize

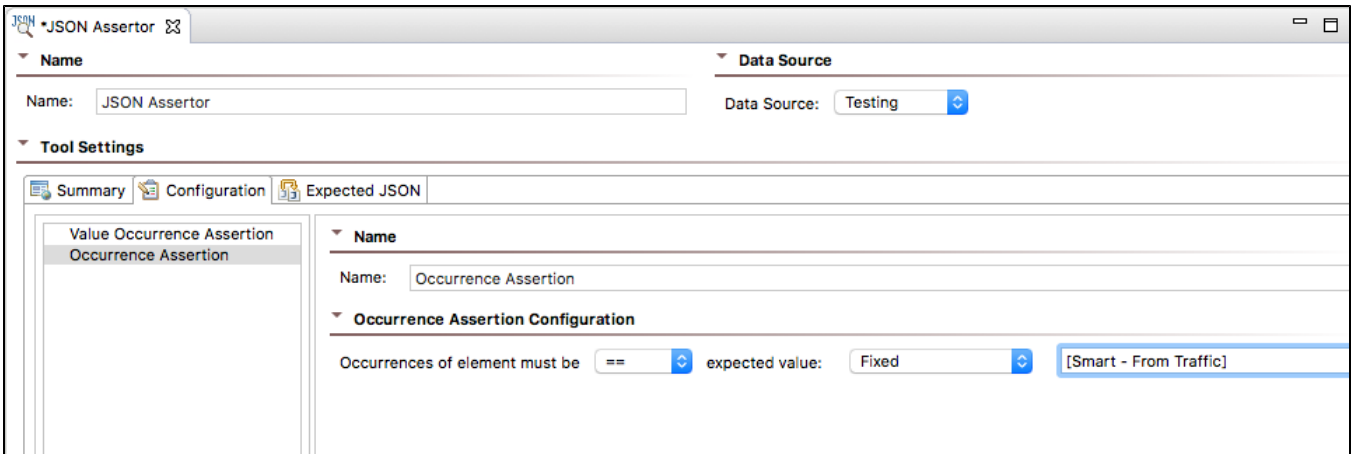
- [HTTP 1.0](#)
- [HTTP 1.1](#)

SOAtest HTTP HTTP .stt SOAtest HTTP

1. Resource Template **Add Output..**
2. Request **Transport Header**
3. **HTTP Header Finish**
4. **Add**
- 5.

## JSON

JSON == equals [Smart - From Traffic]



## JSON

JSON SOAtest

- Expected Value [Smart - From Traffic] Expected Value
- [Smart - From Traffic] == equal
- [Smart - From Traffic] == 1 0
- 
- [Smart - From Traffic] == 1 0
- HasHas
- 
- Base Value [Smart - From Traffic] Base Value
- Difference Value [Smart - From Traffic] 0
- 
- Lower Bound Upper Bound [Smart - From Traffic]

## JSON

SOAtest [Test Creation Parameters](#)

### .tst

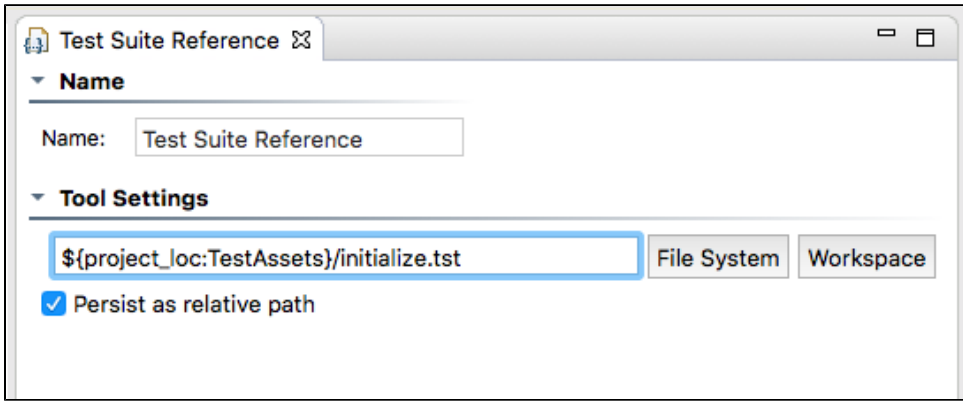
.tst API [Training Based on .tst Files](#)

.stt

TestAssets \${project\_loc}

1. Resource Template **Add Output...**
2. Suite **Beginning**
3. Smart **Test Suite Reference Finish**

4.



File System Workspace .tst

5.

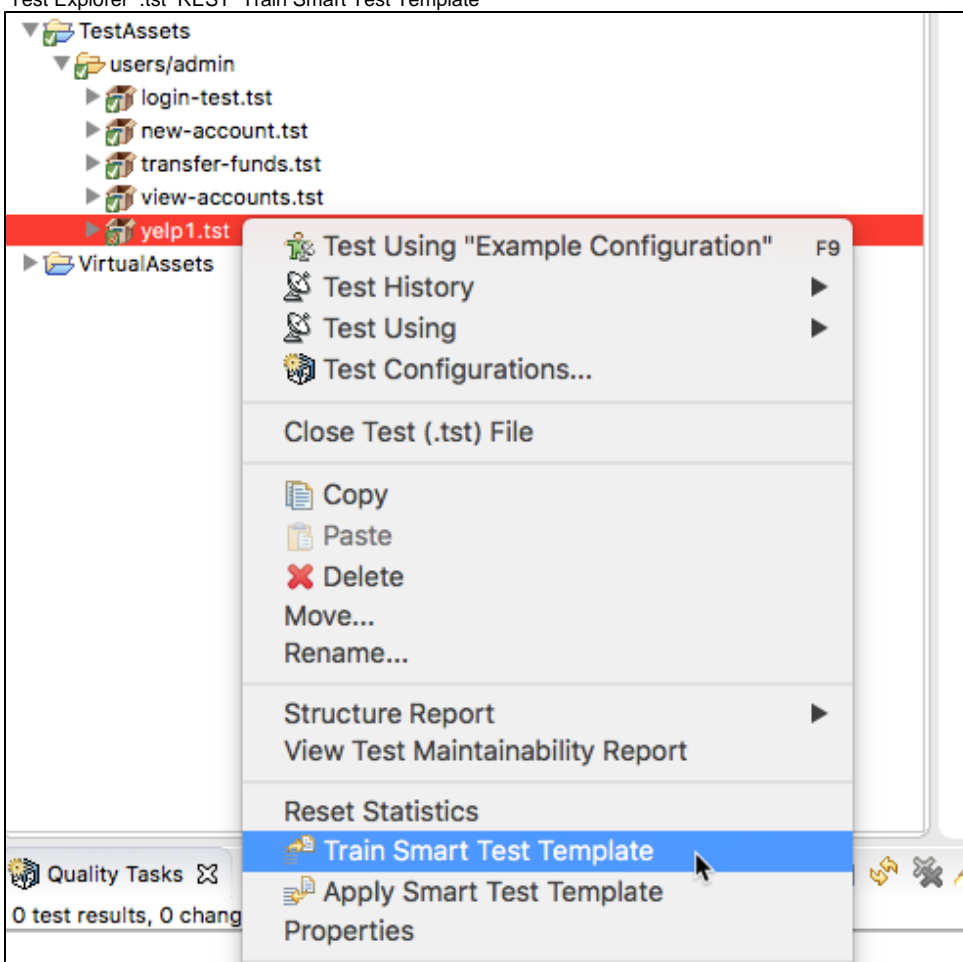
### .tst

SOAtest REST Clients JSON SOAtest REST HTTP JSON .stt REST URL .stt Match REST

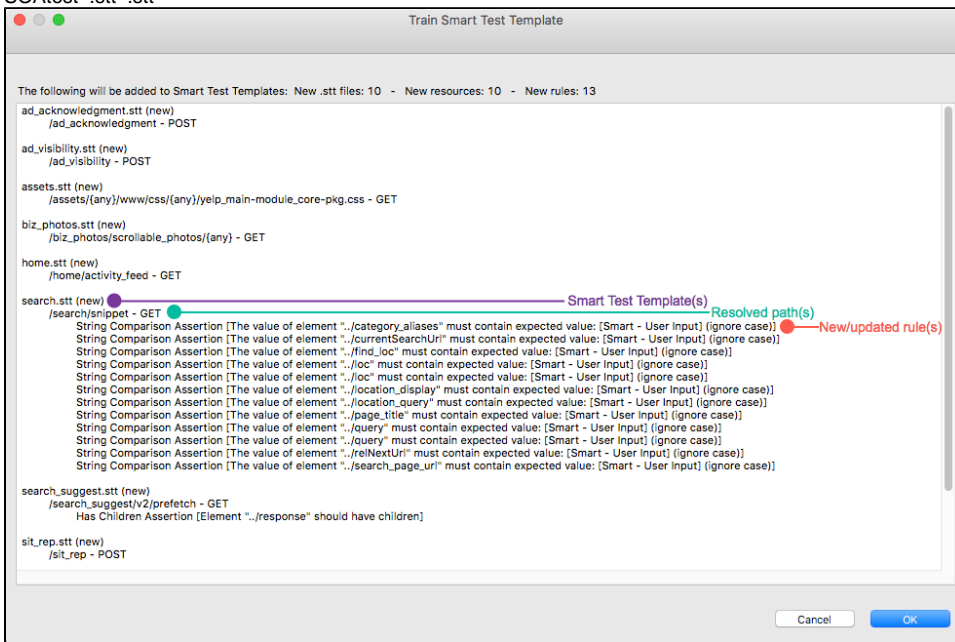
.stt SOAtest REST schemahost port REST basePath

SOAtest REST basePath / "Exact"

1. Test Explorer .tst REST Train Smart Test Template



## 2. SOAtest .stt .stt



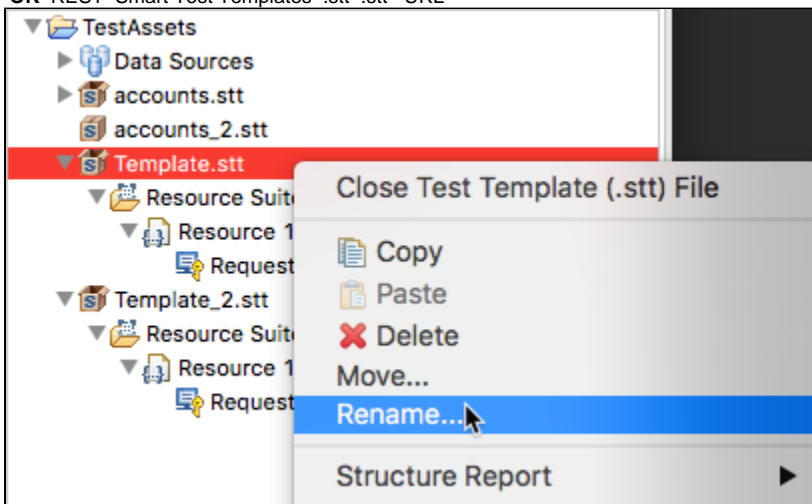
**JSON API**

```

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

.stt
    
```

## 3. OK REST Smart Test Templates .stt .stt URL

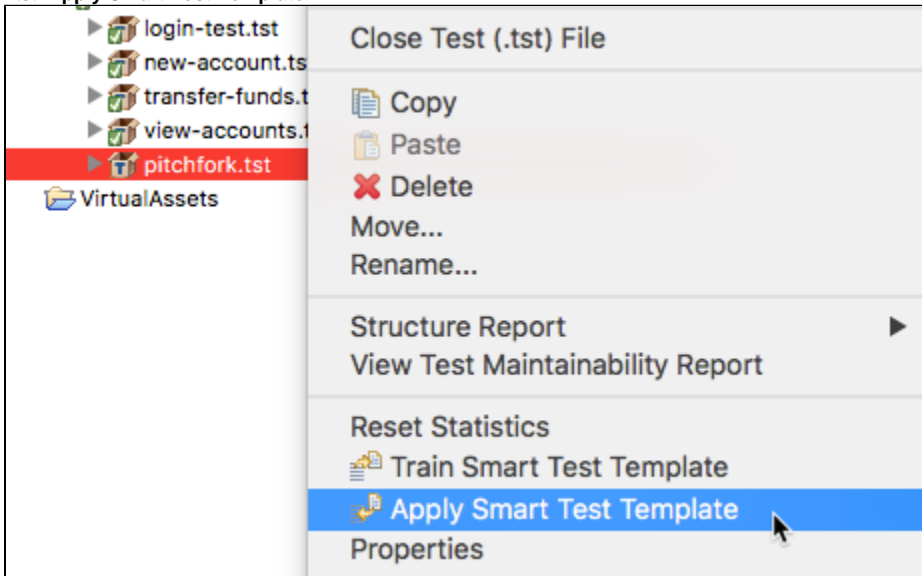


4. Match [Defining Smart API Test Generation Scope](#)
5. [.stt Manually Creating and Configuring Test Templates](#)

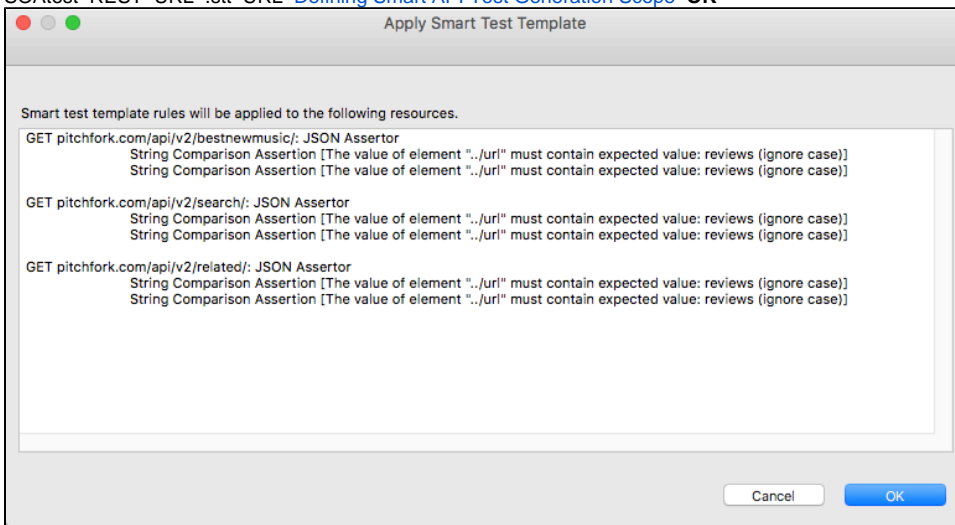
**.tst**

.stt REST

1. .tst **Apply Smart Test Template**

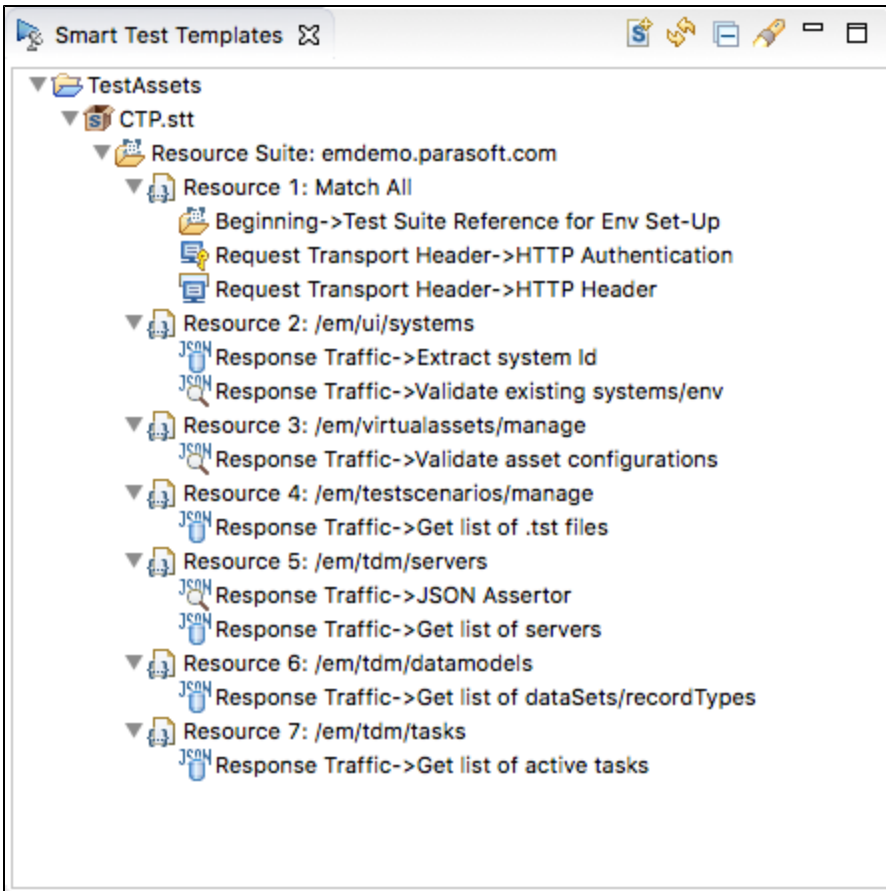


2. SOAtest REST URL .stt URL **Defining Smart API Test Generation Scope OK**

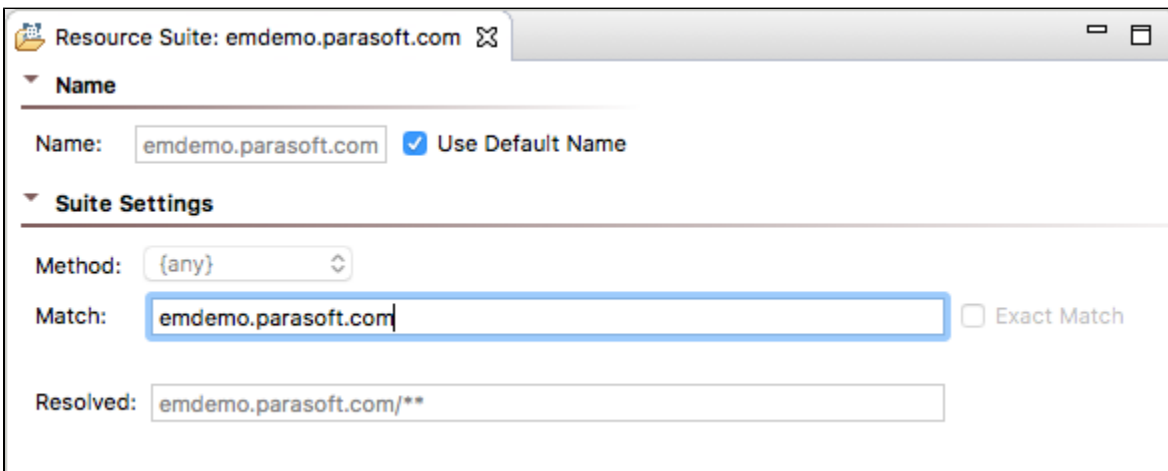


.stt CTP





"emdemo" schemaport emdemo HTTP HTTP



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

## Salesforce API

Salesforce API

tst\_creation. Salesforce 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.

tst\_creation.tst\_creation.properties TestAssets SOAtest SOAtest web

tst\_creation.proeprties

<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>	/ false
<b>disableAsserterCreation</b>	/JSON false JSON
<b>customHandlerClass.&lt;number&gt;</b>	Salesforce API
<b>diffToolIgnoreNames.&lt;number&gt;</b>	(?i)^(time date url href).* .<number>  diffToolIgnoreNames.1=<name_pattern_1> diffToolIgnoreNames.2=<name_pattern_3> diffToolIgnoreNames.3=<name_pattern_3>
<b>diffToolIgnoreValues.&lt;number&gt;</b>	[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>
<b>assertorToolIgnoreQueryParameterNames.&lt;number&gt;</b>	JSON "maxResultsSize" (?i)^(maxResultSize).*  .<number>
<b>assertorToolIgnoreQueryParameterValues.&lt;number&gt;</b>	JSON  [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>assertorToolIgnoreFieldNames.&lt;number&gt;</b>	JSON Assertor urlhrefSessionId transactionId  (?i)^(time date url href sessionId transactionId).*  .<number>
<b>assertorToolIgnoreFieldValues.&lt;number&gt;</b>	JSON  [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>
<b>includeURLPatterns</b>	URL Ant URL  <a href="#">parasoft.com</a> URL  includeURLPatterns=*. <a href="#">parasoft.com</a>
<b>excludeURLPatterns</b>	URL Ant URL  <a href="#">parasoft.com</a> 8443 URL  excludeURLPatterns=*. <a href="#">parasoft.com</a> :8443
<b>requestPayloadParameterizationExcludeNames.&lt;number&gt;</b>	    requestPayloadParameterizationExcludeNames.1=(?i)^(time date).*
<b>requestQueryStringParameterizationExcludeNames.&lt;number&gt;</b>	    requestPayloadParameterizationExcludeNames.1=(?i)^(time date).*
<b>useServerSettings</b>	SOAtest tst_create.properties tst_create.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).*
```