What is Rest-assured ?

Open source java library used for automating Restful API

Home page for rest assured 🡪rest-assured.io

How to add rest-assured libraries in eclipse?

Maven repository🡪type rest -assured🡪we can get two links

1. [REST Assured](https://mvnrepository.com/artifact/io.rest-assured/rest-assured) 🡪[io.rest-assured](https://mvnrepository.com/artifact/io.rest-assured) » [rest-assured](https://mvnrepository.com/artifact/io.rest-assured/rest-assured)

For version above 3.0

1. [REST Assured](https://mvnrepository.com/artifact/com.jayway.restassured/rest-assured) 🡪[com.jayway.restassured](https://mvnrepository.com/artifact/com.jayway.restassured) » [rest-assured](https://mvnrepository.com/artifact/com.jayway.restassured/rest-assured)

For version below 3.0

Here,we are going to use version 2.9

Create a new eclipse maven proj.-->add maven dependency for rest assured.,add testng dependency

What is Rest assured BDD approach?

**Behavior Driven Development** (BDD)  has become effective way of writing rest assured scipts.

Format is ,

Given..when..then

Given()

//here initialization such as set cookies,set headers, adding parameters,add auth etc are done

.when()

//all methods such as PUT,POST,GET,DELETE ETC

.then()

//validating the response such as status code,extract response,extract headers,cookies,extract response bodyis done here

Static imports that has to be added:

**import** **static** com.jayway.restassured.RestAssured.\*;

//given() can be used directly with this import instead of RestAssured.given()

**import** **static** org.hamcrest.Matchers.\*;

//it provides all the matchers for validating responses such as assertion in junit