

## Webservices/REST API Testing Interview Questions

1. [What are Webservices ?](#)

Web Service is an application or business logic that is accessible using standard Internet protocols via standardized XML messaging system

2. [What are REST API's?](#)

REST". Representational State Transfer.

We will use standard HTTP Methods to access the resources They are GET, POST, DELETE, and PUT

3. [What is WSDL?](#)

WSDL definition describes how to access a web service and what operations it will perform.

WSDL is often used in combination with SOAP and XML Schema to provide web services over the Internet

4. [What is Endpoint?](#)

It is the IP address of the Server where Webservice is running

5. [What methods does REST Support?](#)

GET, POST, DELETE, and PUT

6. [What is SOAP UI tool?](#)

SoapUI, is the world leading Open Source Functional Testing tool for API Testing

7. [How to access properties from Testcase level in SoapUI?](#)

We can pass to the request Parameters as `${#TestCase#PropertyName}`,

If it is Groovy Script Step then `TestRunner.TestCase.getPropertyValue(PropertyName)`

From Script Assertion window it can be accessed by

`Context.getTestCase().getPropertyValue(PropertyName)`

8. [Mention what is the general format for reading the custom or default property value?](#)

The general format for reading the custom or default property value is `${#levelname#key}`

9. [What is Property Transfer Step in SoapUI ?](#)

Property Transfer enables us to transfer the values from one API Response to other API

## Request

### 10. What kind of Scripting SoapUI Tool supports?

Groovy Scripting, Java, JavaScript

### 11. How many kind of Assertions we have in Soap UI Tool?

Xpath Match, Contains, Script Assertion, Xquery Match, HTTP Status codes etc

### 12. What are Script Assertion window objects?

Log, context, messageExchange

### 13. TestRunner Usage in SoapUI?

With the help of TestRunner variable we can have control over the TestCases, TestSuites and Project level Methods and access properties

### 14. What kind of inputs and outputs does REST API Support?

It supports both XML and JSON

### 15. What is Mocking?

Mock services are a great way of getting testing early into the picture of a service-oriented project. Once the WSDL of the web service is ready, you can simulate the service implementation and start testing the consumer applications