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Java Web Services Interview Questions

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Java Web Services Interview Questions

Introduction To Java Web Services Interview Questions and Answers

Java Web service is a method of communication between the two devices or Web services are the client and server applications that communicate over the World Wide Web. Java web service includes architecture, components like SOAP (Simple Object Access Protocol), WSDL (Web Services Description Language), Web services security and RESTful web services etc.

So if you are looking for a job that is related to Java web services, you need to prepare for the Java Web Services Interview Questions. Though every Java Web services interview is different and the scope of a job is also different, we can help you out with the top Java web services Interview Questions and Answers, which will help you to take the leap and get you success in an interviews

Below is the Java web services Interview Questions that are mostly asked in an interview which is divided into two parts are as follows:

Part 1 – Java web services Interview Questions (Basic)

This first part covers basic Java web services interview questions and answers

1. Mention the main features of web services?

Answer:

Below is the list of features:

- It is available over the Internet or private (intranet) networks.
- It is used as a standardized XML messaging system (<https://www.educba.com/xml-interview-questions/>).
- It is not tied to any one operating system or programming language.
- Supports Document Exchange.
- Synchronous or Asynchronous functionality
- Ability to support Remote Procedure Calls (RPCs)



2. What are the types of Web Services?



Answer:

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There are mainly 2 types of Web Services available.

- SOAP web services.
- RESTful web services.

3. What are the components of web service?

Answer:

Web services components are:

- SOAP- Simple Object Access Protocol
- UDDI- Universal Description, Discovery, and Integration
- WSDL- Web Service Description Language
- RDF- Resource Description Framework
- XML- Extensible Markup Language

Let us move on the next Java web services interview questions

4. What is XML-RPC? What are the features of XML-RPC?

Answer:

XML-RPC is nothing but an XML based protocol. It is a very simple protocol used to exchange information between two devices over a network. It can be used with Perl (<https://www.educba.com/perl-vs-ruby/>), Java (<https://www.educba.com/java-vs-kotlin/>), Python (<https://www.educba.com/python-vs-ruby/>), C, etc. XML-RPC protocol was created by Dave Winer in 1998.

- XML Response is embedded in HTTP response.
- XML is considered as Platform independent.
- XML helps in communicating between two different applications.

5. Explain Java API for XML Messaging (JAXM)?

Answer:

- JAXM is a SOAP 1.1 based standard to send XML documents over the Internet from the Java platform.
- JAXM can be extended to work with higher level messaging protocols by adding the protocol's functionality on top of the SOAP.

Part 2 - Java web services Interview Questions (Advanced)

Let us now have a look at the advanced Java web services Interview Questions.

6. What is JAX PACK? Explain?

Answer:

java API is for XML pack it integrates all the programming interfaces by SUN for different web services development (<https://www.educba.com/course/soap-and-rest-in-java/>). All these interfaces are made as a single download. JAX Pack is a bundle of JAXB, JAXM, JAX-RPC, and JAXR. Jax pack includes the documentation for support for the SAX, DOM.SOAP, WSDL, XSLT, EBXML, UDDI standards. Developing Web Services with Java APIs for XML (JAX Pack) provides exhaustive coverage of Sun's recently released JAX Pack.

7. Explain about Web service Architecture?

Answer:

Every application or framework need some architecture to make sure that application is working as designed. It is the operations between two different

- Provider
- Requester
- Broker

Provider: Provider will create the web service and makes sure that it's always available to client application whenever a client wants to use.

Requester: Requester is the client application it needs to contact a web service.

Broker: Broker is the application it provides access to the UDDI.

Let us move on the next Java web services interview questions

8. Can you explain what are UDDI, Disco, and WSDL?

Answer:

UDDI: Universal description discovery and integration It's a directory which is used to publish and discover public web services.

DISCO: Disco Commonly known as Discovery. Discovery clubs together common services and exposes a schema document of the web services.

WSDL: Web Service description language.

9. Explain a few tools that help in testing web services?

Answer:

- SoapUI
- REST client
- JMeter

10. What is SOAP and give few advantages to it?

• WS Security

- Language Independent
- Platform Independent

Recommended Articles

This has been a guide to List Of Java Web Services Interview Questions and Answers so that the candidate can crackdown these Java Web Services Interview Questions easily. Here in this post, we have studied about top Java Web Services Interview Questions which are often asked in interviews. You may also look at the following articles to learn more -

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(<https://www.educba.com/windows-interview-questions/>)
2. Web Services Interview Questions and Answers You Must know
(<https://www.educba.com/web-services-interview-questions/>)
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4. Java Interview Questions For Fresher | Most Important
(<https://www.educba.com/java-interview-questions/>)
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