

BPEL Interview Questions And Answers Guide.



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BPEL Job Interview Preparation Guide.

Question # 1

Define Business Process Execution Language (BPEL)?

Answer:-

Business Process Execution Language is a language that is executable for interaction specification along with Web services. The processes of BPEL will export and import information by utilizing exclusively web service interfaces.

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Question # 2

Define BPEL and workflow foundation?

Answer:-

BPEL is process-centric, where as workflow foundation is human centric.

BPEL web services based language for business process behavior which can be used for composite web services, where as workflow foundation is a programming model for quickly building workflow enabled applications which are user interface-centric.

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Question # 3

Describe the role of BPEL?

Answer:-

BPEL is a language for relatively simple description of how web services are composed into business processes.

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Question # 4

Describe the kind of BPEL?

Answer:-

- * Allows abstract and executable processes.
- * Gained support by Majority of companies.
- * Allows software to exist and similar processes can be executed and developed.

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Question # 5

Define BPEL Executable process?

Answer:-

The exact details of business processes can be specified by executable processes. These can be executed by orchestration engine. An executable process is used in most cases of BPEL.

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Question # 6

Define BPEL Abstract process?

Answer:-

The public message exchange among parties is only allowed by abstract business process. The internal details of process flows do not include and are not executable.

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Question # 7

Define the Oracle BPEL process manager?

Answer:-



Oracle BPEL Process Manager is a BPEL engine. It is a member of Oracle Fusion middleware family of products. Orchestration disparate applications and web services are enabled enterprises by Oracle BPEL Process Manager. Quick building and deploying this processing ability in a standards-based manner delivers critical functionality for developing SOA.

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Question # 8

Explain the difference between BPEL Executable and Abstract Processes?

Answer:-

The exact details of business processes can be specified by executable processes. These can be executed by orchestration engine. An executable process is used in most cases of BPEL.

The public message exchange among parties is only allowed by abstract business process. The internal details of process flows do not include and are not executable.

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Question # 9

Explain the difference between BPEL Orchestration and BPEL Choreography?

Answer:-

Choreography:

Choreography does not rely on a central coordinator. The web services involved in the choreography is aware exactly the execution of its operations and whom to interact with. Choreography is a collaborative effort. It focuses on messages exchange. The awareness of business process, operations to execute, messages to exchange, and the time of message exchange are needed for all participants of choreography.

Orchestration:

The control over the web services that are involved and coordinating the execution of different operations on the web services involved in the operation is taken by the central process in orchestration as per the requirements. The involved web services are unaware of this process. With operations that are explicitly defined and the order of invocation of the web services, the orchestration is centralized.

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Question # 10

Describe Business Process Execution Language (BPEL)?

Answer:-

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Question # 11

What is BPMN?

Answer:-

BPMN specifies a graphical notation for expressing business processes in a Business Process Diagram. Both technical users and business users are supported for business processes using BPMN.

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Question # 12

Do you know how to wrap Java Code as a SOAP service?

Answer:-

You can wrap the Java code as a SOAP service. This method requires that the Java application have a BPEL-compatible interface. A Java application wrapped as a SOAP service appears as any other web service, which can be used by many different kinds of applications. There are also tools available for writing SOAP wrappers.

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Question # 13

What is the role of BPEL?

Answer:-

- * Allows us to define abstract and executable processes
- * Is supported by the majority of companies
- * Software exists (from several vendors) on which such processes can be executed (BPEL servers) and developed (BPEL designers).

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Question # 14

What kind of different types of business processes BPEL supports?

Answer:-

BPEL supports two different types of business processes:

* Executable processes allow us to specify the exact details of business processes. They can be executed by an orchestration engine. In most cases BPEL is used for executable processes.

* Abstract business protocols allow us to specify the public message exchange between parties only. They do not include the internal details of process flows and are not executable.

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Question # 15

Define incorporating Java and Java EE Code in BPEL processes?

Answer:-

There are several methods for incorporating Java and Java EE code in BPEL processes:

- * Wrap as a Simple Object Access Protocol (SOAP) service
- * Use `bpelx:exec` built-in methods
- * Use Java code wrapped in a service interface
- * Embed Java code snippets into a BPEL process with the `bpelx:exec` tag
- * Use an XML facade to simplify DOM manipulation

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Question # 16

Describe the BPMN standard for business process modeling and analysis?

Answer:-

The BPMN specifies a graphical notation for expressing business processes in a Business Process Diagram. Both technical users and business users are supported for business processes using BPMN. BPMN provides a standardized, simple means of process information communication to other business users, customers, suppliers and process implementers.

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Question # 17

Define BPEL Choreography?

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Question # 18

Define BPEL Orchestration?

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Question # 20

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Answer:-

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Question # 21

What is Role of BPEL?

Answer:-

BPEL is a language for relatively simple description of how web services are composed into business processes.

BPEL is the first of its kind. BPEL

- * Allows abstract and executable processes
- * Gained support by Majority of companies
- * Allows software to exist and similar processes can be executed and developed.

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Question # 22

Explain about BPEL Orchestration and Choreography?

Answer:-

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Question # 23

Explain about BPEL Executable and Abstract Processes?

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