Integration Protocols and Messaging

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4. Chapter: Integration Protocols and Messaging

1. Integration Protocols and Messaging Questions

4.1.1. A provider of a web service is usually :

Author: JavaChamp Team

A provider of a web service is usually :

Please choose only one answer:
- another local business component in the application
- a remote business component in another application
- a entity (data component) in another application

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4.1.2. What is a WebService ?

Author: JavaChamp Team

What is a WebService ?

Please choose only one answer:

- A WebService is a part of your business logic exposed to other distributed applications to get benefit of
- A WebService is a collection of downloadable web components in you application, being available for other distributed applications
- A WebService is a protocol used to enable components of the business tier and components of the presentation tier to exchange messages asynchronously

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Author: JavaChamp Team

The requester and the provider of the a web service must be implemented using the same technology (for example only Java to Java)

Is this statement correct?

Please choose only one answer:

- The statement is correct
- The statement is incorrect

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Author: JavaChamp Team

Which technology is Simple Object Access Protocol (SOAP) strongly associated with?

Please choose only one answer:

- Java Messaging Services (JMS)
- Java Connectivity Architecture (JCA)
- WebServices
- CORBA

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4.1.5. What is TRUE about Simple Object Access Protocol (SOAP) ?

Author: JavaChamp Team

What is TRUE about Simple Object Access Protocol (SOAP) ?

Please choose all the answers that apply:

- SOAP is a protocol used in conjunction with web services technology
- SOAP outlines and defines the specifications used to describe a web service to its requester
- A SOAP message is formatted in XML
- SOAP is platform dependent

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Author: JavaChamp Team

It is a directory that can be used by businesses worldwide to publish or discover web services.

Please choose only one answer:
- Web Services Description Language (WSDL)
- Simple Object Access Protocol (SOAP)
- Java Naming and Directory Interface (JNDI)
- Universal Description, Discovery and Integration (UDDI)

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4.1.7. What is considered FALSE about a WSDL document ? (WSDL: Web Service...

Author: JavaChamp Team

What is considered FALSE about a WSDL document ? (WSDL: Web Services Description Language)

Please choose only one answer:

- WSDL is often used in combination with SOAP and an XML Schema to provide web services over the Internet
- A WSDL document provides the clients with some necessary information about the web service
- A WSDL document in written in XML
- The requester of a web service writes a WSDL document that includes the data necessary to communicate with the service
- This WSDL document can be published in public or private registry

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Question: what is web services description language (wsdl)?

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Author: JavaChamp Team

You would like to transmit SOAP messages between your web service endpoint and clients in a more secure way by encrypting the body content of the SOAP messages.

Which WebServices specifications would you probably use?

Please choose only one answer:
- WS-Encryption
- WS-Security
- WS-Atomic Transaction
- WS-Coordination

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4.1.9. Which security concerns can WS-Security specifications address?

Author: JavaChamp Team

Which security concerns can WS-Security specifications address?

Please choose all the answers that apply:

- ensure that the sender of the SOAP message cannot repudiate
- hide the content of the SOAP message from the non involved parties
- prevent IP address spoofing
- prevent denial of service

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4.1.10. Which security concerns can WS-Security specifications address?

Author: JavaChamp Team

Which security concerns can WS-Security specifications address?

Please choose all the answers that apply:

- ensure that the SOAP message has not been tampered with after it was sent
- prevent buffer overflow attack
- ensure that the sender of the SOAP message is the valid expected sender of this message
- ensure a reliable SOAP message delivery

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4.1.11. What is NOT TRUE about JAX-WS?

Author: JavaChamp Team

What is NOT TRUE about JAX-WS?

Please choose only one answer:

- JAX-WS is the successor of JAX-RPC
- Only message-oriented web services can be developed using JAX-WS, where RPC-oriented web services are no more an option
- JAX-WS is the primary Java API to create XML-based web services
- JAX-WS uses annotations, like @WebService or @WebMethod, to simplify the development of web services

4.1.12. What does Java Architecture for XML Binding (JAXB) used for?

Author: JavaChamp Team

What does Java Architecture for XML Binding (JAXB) used for?

Please choose only one answer:

- use JAXB to send XML SOAP messages to web service endpoints
- use JAXB to map your java object representations in your code to XML documents and vice versa
- use JAXB to write web services
- use JAXB to bind between XML SOAP messages and JMS messages

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4.1.13. You are responsible of connecting your company Java EE application ...

Author: JavaChamp Team

You are responsible of connecting your company Java EE application to a relational database.

Which technology should you start with first to test its applicability to the task?

Please choose only one answer:

- JDBC-ODBC bridge
- JDBC
- Java Connector Architecture (JCA)
- Web services

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4.1.14. In which scenario would you probably use CORBA?

Author: JavaChamp Team

In which scenario would you probably use CORBA?

Please choose only one answer:

- A stateless bean would like to invoke a method in another stateless bean in a remote application
- A C++ application would like to invoke a method in a java application
- A Java EE application would ike to connect to a database
- A Java EE application would like to expose some of its functionality as web services

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4.1.15. What is Remote Procedure Call (RPC) used for?

Author: JavaChamp Team

What is Remote Procedure Call (RPC) used for?

Please choose only one answer:

- RPC is used to enable a stateless session bean to communicate with a stateful session bean in the same application residing in the same computer
- RPC is used to enable a program to request from another program in another computer, but in the same network, to execute a specified procedure
- RPC is used to asynchronously and remotely exchange messages between heterogeneous programs
- A RPC is a part of your business logic exposed to other distributed applications to get benefit of

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4.1.16. What is JDBC used for?

Author: JavaChamp Team

What is JDBC used for?

Please choose all the answers that apply:

- to connect your Java application to a relational database
- to provide an interface to Java programmers to be able to query and update data in a database
- to enable a C++ application to invoke methods in a Java application
- to enable asynchronous and remote exchange of messages between Java programs

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4.1.17. What solution does Java EE Connector Architecture (JCA) provide?

Author: JavaChamp Team

What solution does Java EE Connector Architecture (JCA) provide?

Please choose only one answer:

- JCA enables a Java to Java integration
- JCA provides a solution to enable connectivity between Java EE-compliant application servers and enterprise information systems (EIS) already in existence
- JCA provides a solution to enable asynchronous and remote exchange of messages between Java EE applications

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Question: what is java ee connector architecture (jca) used for?

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Author: JavaChamp Team

Which non-functional characteristics (system-level contracts) does JCA define for connecting a Java EE-compliant application server to an EIS?

Please choose all the answers that apply:

- Backup contract
- Security contract
- Transaction contract
- Availability contract
- Scalability contract

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4.1.19. Which system contracts were added to JCA 1.5 and don't exist in JCA...

Author: JavaChamp Team

Which system contracts were added to JCA 1.5 and don't exist in JCA 1.0?

Please choose all the answers that apply:

- Security contract
- Life Cycle Management
- Transaction contract
- Work Management Contracts
- Message Inflow

Check the answer of this question online at QuizOver.com:
Question: which system contracts were added to jca 1.5?

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Author: JavaChamp Team

Which is TRUE about the system contracts defined by JCA for connectivity between Java EE-compliant application servers and EISs?

Please choose all the answers that apply:

- The "security contract" provides a prior authentication process before connecting to the EIS
- The resource adapter can submit work to the application server according to the "Transaction contract"
- The "connection contract" describes how the application server and the resource adapter manage, establish, pool and terminate their connections.
- The "transaction contract" describes how the application server and the resource adapter manage, establish, pool and terminate their connections.

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Question: system contracts in java ee connector architecture (jca)?

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Author: JavaChamp Team

Which design pattern is applied on Java Remote Method Invocation (RMI)?

Please choose only one answer:

- State
- Proxy
- Template Method
- Flyweight

Check the answer of this question online at QuizOver.com:
Question: which design pattern is applied on java remote method invocation (rmi)?

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4.1.22. What is not TRUE about Java Remote Method Invocation (RMI)?

Author: JavaChamp Team

What is not TRUE about Java Remote Method Invocation (RMI)?

Please choose only one answer:

- RMI is used to integrate heterogeneous applications
- RMI uses Java object serialization to pass objects
- The Proxy design pattern is applied on RMI
- RMI implementation uses stub and skeleton objects

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Question: what does java remote method invocation (rmi) do?

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4.1.23. What is TRUE about Java Native Interface (JNI)?

Author: JavaChamp Team

What is TRUE about Java Native Interface (JNI)?

Please choose all the answers that apply:

- JNI is used by Java developers to add to their Java application platform-specific functionality that is not supported by standard Java class library
- JNI is used by Java developers to enable their Java application direct access to native databases
- A JNI native method is written in Java and compiled using a Java compiler
- JNI can be used to access legacy systems

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Question: java jni api

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Author: JavaChamp Team

It is a set of interfaces defined by Java Connector Architecture (JCA) used to provide an interaction mean between clients and EIS?

Please choose only one answer:

- Transaction contract
- Interaction contract
- Common Client Interface (CCI)
- Message Inflow

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Question: when to use common client interface (cci)?

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4.1.25. Your job is to develop SOAP based and RESTful Java Web services for...

Author: JavaChamp Team

Your job is to develop SOAP based and RESTful Java Web services for your company enterprise application, which of the following technology should you use?

Please choose only one answer:

- JAX-RPC
- JAX-WS
- JMS
- CORBA

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4.1.26. What is Java API for XML Registries (JAXR) used for?

Author: JavaChamp Team

What is Java API for XML Registries (JAXR) used for?

Please choose only one answer:

- to write XML web services
- to write code used to enable XML document exchange between XML-based databases
- to search for webservices or publish your webservices in an ebXML Registry or in a UDDI Registry

Check the answer of this question online at QuizOver.com:
Question: what is java api for xml registries (jaxr) used for?

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4.1.27. You have written a web service used to convert American metrics int...

Author: JavaChamp Team

You have written a web service used to convert American metrics into standard ones, and you would like to make this service publicly available. What should you do?

Please choose only one answer:

- You can publish your web service using JAX-WS in a UDDI
- You can publish your web service using JAXR in a UDDI
- You can publish your web service using JAXB in a UDDI

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http://www.quizover.com/question/when-to-use-jaxr?pdf=3044

Author: Yasser Ibrahim

In the web services world, the REST (REpresentational State Transfer) is:

Please choose only one answer:

- A protocol
- A software architectural paradigm
- A standard API

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Question: restful web service

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4.1.29. In a RESTful web service, you would use the HTTP methods as verbs t...

Author: Yasser Ibrahim

In a RESTful web service, you would use the HTTP methods as verbs to invoke the CRUD action (create, read, update, and delete)

Which of the following is true:

Please choose all the answers that apply:

- to read use HTTP get method
- to delete use HTTP delete method
- to create use HTTP post method
- to update use HTTP put method

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Question: restful web services http methods

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Author: Yasser Ibrahim

Your company is planning to expose some of its services in a form of web services.

The targeted business class clients are mainly on the road and using their mobile phones to conduct their business .

The new enterprise application is a Java EE web based application, and the web services are mainly stateless.

which type of web services (RESTful or SOAP) would you use in this case?

Please choose only one answer:

- SOAP 1.1
- SOAP 1.2
- RESTful

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Question: when to use restful web sevices?

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Author: Yasser Ibrahim

When is it most appropriate to architect your enterprise java application using SOAP protocol web services over RESTful?

Please choose all the answers that apply:

- when client-server communication bandwidth is limited
- when the web service interface must be predefined in a concrete contract
- when a web based application utilizes AJAX components which consume the web service
- when asynchronous invocation is required

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4.1.32. Can JPA entities be tested outside the EJB container?

Author: JavaChamp Team

Can JPA entities be tested outside the EJB container?

Please choose only one answer:

- Yes

- No

4.1.33. Which of the following components can NOT be tested outside of the ...

Author: JavaChamp Team

Which of the following components can NOT be tested outside of the EJB container?

Please choose all the answers that apply:

- EJB 2 Entity beans
- EJB3 entities (JPA)
- EJB 3 stateful session beans
- EJB 3 stateless session beans

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Author: JavaChamp Team

Not all parts of the standard SOAP message are mandatory. The two required parts of a SOAP message are:

Please choose all the answers that apply:

- an envelope
- a Header element
- a Body element
- a destination url element

Check the answer of this question online at QuizOver.com:
Question: body element soap message

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4.1.35. Your application is contacting a web service which approves suffici...

Author: JavaChamp Team

Your application is contacting a web service which approves sufficient bank balance for users.

But for checking the bank balance, the web service requires authentication information from the user (a username and password).

Where in the SOAP message being sent to the Web Service, would these authentication information be placed?

Please choose only one answer:
- in the envelope
- in the message body
- in the message header
- in the fault element

4.1.36. What is NOT true about StAX?

Author: JavaChamp Team

What is NOT true about StAX?

Please choose all the answers that apply:

- it is used to process XML documents
- it is a "document object model" programming model
- it is a "document streaming" programming model
- it is a "pull" parser
- it is a "push" parser
- it is a member of "JAXP APIs" family

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Question: stax api java

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4.1.37. Can stateless session beans be tested outside the EJB container?

Author: JavaChamp Team

Can stateless session beans be tested outside the EJB container?

Please choose only one answer:

- Yes

- No