

BizTalk Interview Questions And Answers Guide.



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BizTalk Job Interview Preparation Guide.

Question # 1

How many Biztalk Components are there?

Answer:-

BizTalk Server Administration
Business Rule
HAT
BAM
Schema
Pipeline
Receive location
Receive port
Sent port
Map
Orcestration

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Question # 2

I have a receive port and send port whose message types are different. When I receive a message in my receive port, my process starts. I will construct my out message and give this to my send port. I am configuring a send port group to the logical send port. To the send port group I have added many send ports with filters. The message in the send ports are not getting filtered based on my filters?

Answer:-

Maybe you have configured the binding property of port as "specify later". When you have a send port group and you apply filters on the send port in that group. The messages are not filtered according to filter conditions and each message copy is sent to all the ports in that group as well as extra copies are sent to the port where the filter condition meets. The subscription is created on send portgroup ID. In these cases you can use dynamic ports so that messages only which meet the conditions will be routed.

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Question # 3

What are convoys?

Answer:-

Convoys exist in the world any time multiple single items must be related together in order to achieve something that the individual item cannot accomplish by itself. This concept generalizes into a basic design pattern. This is convoy processing. Convoy processing can be additionally broken out into two separate categories as shown in the following list:
Sequential convoy - Items that are in a order, one after another
Parallel convoy - Items that are in any order, but must all be present before something occurs

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Question # 4

In which case you have to use updategram and stored procedure?

Answer:-



If your case is the simple Add/Update-ing several rows, the Updategram give you more simple way. You completely were out of the SQL code.

SP give you more control under your data inside SQL. If you also have SPs or part of your business logic is/will be inside SQL you need use SPs. Usually we have to use SP with OPENXML.

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Question # 5

Define mapping, orchestration, schema, adapters, pipelines, BRE, HAT, BAM?

Answer:-

Mapping - its just used to transfer values from one XSD to other XSD.

Orchestration - Work flow of processes.

Schema - Schema(Sample) of the XML files which will be used for processing messages.

Adapter.Pipeline - Gateway to receive and send messages.

BRE -(Business Rule Engine)Used to Externally configure the values.

HAT - (Health and Activity tracking) Used to trace the message.

BAM - (Business activity monitoring) Used to generate and Monitor Report's

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Question # 6

What is custom pipeline and the use of custom pipeline?

Why and how we use custom pipeline?

Answer:-

Custom Pipeline components extend the behavior of Pipelines to include processing data of virtually any format. They can be a powerful solution if you support legacy systems that require integration with other products, but your legacy data format does not follow standards.

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Question # 7

Can we get messages to Orchestration without using schema?

Answer:-

If you use XML object, then you can get any *.xml messages into orchestration

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Question # 8

How to version your schema?

Answer:-

Having version attribute in the root node name

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Question # 9

What is Message routing and Content routing?

Answer:-

When A message is passed through biztalk without being processed then it is called Message Routing.

When A message is passed based on certain field value of schema, it is called content routing.

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Question # 10

What are Host and Host Instance? Did you deploy BizTalk more than one machine?

Answer:-

A BizTalk Server Host is a logical set of zero or more BizTalk Server run-time processes in which you deploy items such as adapter handlers, receive locations (including pipelines), and orchestrations.

A host instance is the process where the message processing, receiving, and transmitting occurs You install a host instance on each server running BizTalk Server 2006 that has one or more hosts mapped to that server

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Question # 11



How to transfer files without using Orchestration?

Answer:-

yes, with out using orchestration, we can get the message it is done in the case of messaging solution. Messaging solution means it is the biztalk solution with out orchestration. go to biztalk administration console and create the receive port and create the send port . in the send port configuration wizard, in the left pane, there is tab called filters which is used to provide subscription information to biztalk msg box, that tells the msgbox, "if any information comes on a particular port, please send that information to me there is a filter property is there `bts.receiveportname="ReceivePortName"` so when ever the msg is dropped to receive location configured with receive port, it comes to biztalk msgbox db, msgbox db sends the message to send port based on subscription information This is how the message transformation is done without using orchesrtation

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Question # 12

In BizTalk development where and how you have to use custom developed .NET components?

Answer:-

Can have custom functoids, custom pipelines, custom adapters, custom way of calling BRE, calling external .NET assemblies

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Question # 13

How and why you have to use Active Directory in BizTalk development?

Answer:-

its all depends on sort of deployment, in case of single box hosting sql and biztalk services then absolutely no need of active directory which is mostly happens in development environments, but AD importance coming in to the picture in enterprise deployments where you have biztalk group , sql on separate boxes, more important when you want to have cluster for high availability and performance scalability. Because the service user accounts and service group credentials are used across the network and group of computers and which is maintained in common repository called AD on windows platform.

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Question # 14

How to create dynamic ports?

Answer:-

create one port, port type as dynamic. Drag one expression shape in orchastration. in that type, Portname(Microsoft.XLANGS.BaseTypes.Addresses) = Address url.

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Question # 15

Source schema has nodes First Name, Last Name and destination schema has node Name. How we can get data at destination so that we can have two instance of Name (without using orchestration)?

Answer:-

Create a MAP in Biz talk and add first name and last name strings with space in between and map to destination schema node. Use that map in port to port binding either in recieve port or in send port.

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Question # 16

Who is best faculty for BizTalk in Bangalore?

Answer:-

As per my knowledge he is Kapil..9535218782



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Question # 17

Can we promote property promotions through Orchestration?

Answer:-

we can extract the field value by using `xpath(msgin "string()");`

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Question # 18

If we are using single send port in two different host instances then either two copies of message will send or single copy will send to subscribers?

Answer:-

Only single copy will send because host instance is for load balancing purpose so that will send only to send location which is belongs to that host instance

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Question # 19

When we are promote the fields as quick promote then they are stored in property schema,when we promote as distinguished fields then where the fields stored?

Answer:-

Distinguished Fields are written in the message context by the pipeline when a message is received on a port. Distinguished fields are written into the context using the `Write()` method on the `IBaseMessageContext` object.

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Question # 20

Is there possible to make atomic transaction as two way communication?

Answer:-

No...Because atomic doesn't have property to maintain persistent points.

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Question # 21

How many ways to restart the host instance in biztalk?

Answer:-

There are 4 ways to restart host instance:

- 1)VS 2008-->Select biztalk project-->properties-->in deployment pane-->select host restart ti true
- 2)go to run cmd-->type services-->select our host instance's SSO and click on restart
- 3)go to Biztalk admin console and select host instance and right click -->restart
- 4)Go to cmd prompt and type the command for host instance restart

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Question # 22

Why messages are immutable inside Biztalk?

Answer:-

Reasons for message immutable: A received message might have multiple subscribers (orchestration, sendports etc) means each subscriber of a particular message references the same, single copy of that message. So, it make sense the message is not modified by any single service like Orchestration or pipelines.

2. Since single copy is referenced by multiple subscribers, it minimize storage. (A ref counter is maintained for each message and messages with ref count of 0 are periodically removed.)

3. The concept of messages being immutable also allows for detailed tracking of message state as messages flow through the system.

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Question # 23

You have two schemas that need to be represented with the same root node and same namespace or different namespace, is it possible?

Answer:-

with different namespace, its possible..



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