

# IBM MAXIMO Interview Questions And Answers Guide.



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# IBM MAXIMO Job Interview Preparation Guide.

## Question # 1

Do you know what are various modules of maximo?

### Answer:-

The various modules of maximo are as follows:

- \* Application Designer.
- \* Database Configuration
- \* Integration Module
- \* Security
- \* Workflow Administration
- \* Change Request
- \* Workflow Designer
- \* Escalations
- \* Cron Task
- \* System Properties

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## Question # 2

Various controls in the Application Designer Tool in IBM Maxixo part 1:

### Answer:-

- \* Tabgroup - A container for adding tabs.
- \* Tab - An individual tab in a tab group.
- \* Section - A container for adding controls such as section columns, section rows, fields, buttons, combo boxes, and check boxes.
- \* Section Column - A column in a section.
- \* Section Row - A row in a section.
- \* Section Header - A container to label a section or a table window, with the capability to display dynamic values in its label. This control contains the parameter values control which is a container for the parameter value control.
- \* Parameter Values - A container for the parameter value control to be used in sections and table windows.

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## Question # 3

Various controls in the Application Designer Tool in IBM Maxixo part 2:

### Answer:-

- \* Parameter Value - Dynamic values that reside within a section header.
- \* Combobox - A combo box with drop-down functionality.
- \* Checkbox - An HTML check box.
- \* Blank Line - Inserts white space in a section.
- \* Help Grid - Help text displayed in dialog boxes.
- \* Image - Allows you to insert an image.
- \* Listbox - An open, drop-down menu which displays dynamic content.

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## Question # 4

Various controls in the Application Designer Tool in IBM Maxixo part 3:

### Answer:-

- \* Multiline Textbox - A text input box with multiple lines.
- \* Multipart Textbox - Two text boxes next to each other; one for displaying text and the other a description.
- \* Static Text - Informational text displayed in an application.
- \* Textbox - A text input box with a single line.
- \* Table - A container for a table window.
- \* Table Column - A container for a column in a table window.
- \* Tree - A container for a hierarchical structure.



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### Question # 5

Various controls in the Application Designer Tool in IBM Maximo part 4:

#### Answer:-

- \* Tree Attribute - A value to describe the tree node control within the tree control.
- \* Tree Node - A container for defining the child elements within the tree control.
- \* Appbar - A container that displays all the applications, belonging to the current module, except for the currently displayed application.
- \* Menubar - A menu bar that contains signature options for the Search, Query, and Bookmark menus.
- \* Hyperlink - A hyperlink that supports both text and graphics.

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### Question # 6

How many ways Integration is used in IBM Maximo?

#### Answer:-

- \* To create the thousands of classification in maximo in one time only.
- \* To upload IN and SR in tool in just one click.
- \* To create multiple user ids in Maximo.
- \* To create the automatic tickets in maximo on receiving the alerts or any message, for which we integrated maximo with Netcool.
- \* We can integrate maximo with Tivoli Directory Server by using Tivoli Directory Integrator, by creating assembly line in TDI.
- \* Various Integration framework components are as follows:
  - \* Object structures
  - \* Services
  - \* Channels
  - \* External systems
  - \* Endpoint
  - \* Events
  - \* Web services
  - \* Content

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### Question # 7

Do you know what is integration framework?

#### Answer:-

Integration Framework allows you to integrate maximo with other tools. It reduce your manual efforts.

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### Question # 8

What you know about start center in Maximo?

#### Answer:-

Start Center is nothing but a view of maximo when you login to it. Start center can be configured by the system admin according to the business needs. There can various tabs on start center. Maximo admin can include day to day task on it, or any message or any news in bulletin board. Your various tickets IN/SR can be shown on them. Short cuts to various applications required by the end user can also be provided on your start center. Start center can also be configured according to the security groups, i.e. different views for different person or according to the need and requirement of Business.

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### Question # 9

How to Import Workflow in Maximo 7.1?

#### Answer:-

Procedure Import Workflow in Maximo 7.1:

- \* Object structure, publish channel, Enterprise services can be duplicated from migration to make it used by integration process and if it is not in migration/Integration then follow the steps given below to create it manually
- \* Turn Admin mode to off before import.
- \* The sequential queue processes messages one at a time, in a first-in-first-out Sequence and as we are using sequential queue the error files if generated should be cleared from error folder from mea-global directory
- \* Cron task set up- JMSQSEQCONSUMER make this cron task active for sequential queue
- \* Create MEA Global directory, if it does not exists. Give the details of this in System Properties & all End Points that will be used.
- \* Enable Message Tracking from select action menu for Enterprise Services created below
- \* Create End Point & External System only once as per steps given below & can be used multiple times.

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### Question # 10

Tell me what is Email Integration?

#### Answer:-

This section provides and overview of Email integration with TSRM

Two types of integration have been configured:

- \* Outbound email - This allows TSRM to send various notifications via email
- \* Inbound email- This allows TSRM to automatically process inbound email to generate or query tickets for the reported problems



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### Question # 11

Tell me what is Outbound email integration?

#### Answer:-

Outbound email integration- TSRM uses SMTP for sending out emails.

The configuration element for this is mentioned below:

The System Property mail.smtp.host controls which smtp server TSRM uses for sending out mail. This is currently set to (IP) which is a Domino server running SMTP service

Troubleshooting tips- Points to check for troubleshooting email delivery

Check that the firewall ports are opened between TSRM and the SMTP server. The port used by SMTP is 25. This check can be performed by trying to telnet to the smtp server on port 25 from both the WAS servers (IP)

Check the communication logs for the record in question to ensure that a mail was actually sent from TSRM.

Check for mail routing issues with the Notes team.

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### Question # 12

Tell me how we can manage the user login Sessions in Maximo?

#### Answer:-

Procedure: Session Configuration

TSRM User session characteristics can be modified. This document describes the parameters that can be changed and how to change them

Dependency : None

Session Configuration

The following two properties can be modified for user sessions in Maximo:

Session Timeout - This is the duration of inactivity after which a Maximo session will timeout. This is set to 10 minutes currently. The procedure to modify this is described below:

Log in to the Maximo Admin Server (IP).via Remote Desktop

Open the file C:\IBMSMP\maximo\applications\maximomaximouiweb\moduleWEB-INF\web.xml with an editor.

Search for the section shown below:

```
<session-config>
```

```
<!-- The session-timeout element defines the default session timeout
```

```
interval for all sessions created in this web application. The
```

```
specified timeout must be expressed in a whole number of minutes. -->
```

```
<session-timeout>10</session-timeout>
```

```
</session-config>
```

Update the value marked in red above to the number of minutes that the session timeout needs to be set to.

Save the file and close the editor

Build and deploy Maximo as described in the document T\_SOP\_TSRM\_Maximo\_Build.doc

Concurrent Sessions- This is the configuration parameter which defines whether a user is restricted to only one session or can open multiple sessions in TSRM. The procedure to modify this is described below:

Stop the WAS Servers as described in T\_SOP\_TSRM\_WAS\_Restart.doc

Connect to the Maximo database (IP)

Execute the following query : select \* from MAXPROPVALUE where propname='mxe.enableConcurrentCheck'

If the value of the PROPVALUE field is 1, then a user can only have a single session on maximo. If it is 0, then the user can have multiple concurrent sessions on Maximo.

To update this value if required, execute the following SQL statement : UPDATE MAXPROPVALUE SET PROPVALUE='<1 for single session or 0 for multiple sessions>' WHERE PROPNAME='mxe.enableConcurrentCheck'

Start up the WAS Servers.

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### Question # 13

What you know about Inbound email integration?

#### Answer:-

Inbound email integration - TSRM can process inbound emails and automatically create or update tickets with the details. In the Bharti environment, a notes application has been provided to end users to enable them to create, update and query tickets with ease. This application generates an XML and sends it via email to TSRM. Based on the OLM id of the user, the mail is sent to one of 3 email ids, or . TSRM polls the mail boxes of these 3 ids periodically and processes the mails to create or query tickets. The details of the configuration is provided below.

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### Question # 14

How to defaulting to wrong priority number in Maximo?

#### Answer:-

Whenever a WO is input, as soon as the page is saved, the priority number defaults to #4. This is the first time in two years this issue has come up.

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### Question # 15

What is IBM Maximo Asset Management?

#### Answer:-

IBM Maximo Asset Management is an enterprise asset management (EAM) software solution product produced by IBM. It is a solution which is used to operate, maintain and dispose of enterprise assets.



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### Question # 16

What types of assets are focuses in IBM Maximo?

#### Answer:-

- \* Plant and production (for example oil, gas, chemicals, mining, manufacturing, pharmaceuticals, food, electronics and power generation)
- \* Infrastructure (including railways, highways, telecommunications, water and wastewater, and electric and gas distribution networks)
- \* Transportation (for military, airlines, trucking, shipping, rail and other use)
- \* Real estate and facilities (for example, in offices, schools and hospitals)

[Read More Answers.](#)

### Question # 17

How to manage the user login Sessions in Maximo?

#### Answer:-

Procedure: Session Configuration

TSRM User session characteristics can be modified. This document describes the parameters that can be changed and how to change them

Dependency : None

Session Configuration

The following two properties can be modified for user sessions in Maximo:

Session Timeout " This is the duration of inactivity after which a Maximo session will timeout. This is set to 10 minutes currently. The procedure to modify this is described below:

Log in to the Maximo Admin Server (IP).via Remote Desktop

Open the file C:\IBMSMP\maximo\pplications\maximomaximouiweb\module\WEB-INF\web.xml with an editor.

Search for the section shown below:

```
<session-config>
```

```
<!-- The session-timeout element defines the default session timeout
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```
interval for all sessions created in this web application. The
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```
specified timeout must be expressed in a whole number of minutes. -->
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```
<session-timeout>10</session-timeout>
```

```
</session-config>
```

Update the value marked in red above to the number of minutes that the session timeout needs to be set to.

Save the file and close the editor

Build and deploy Maximo as described in the document T\_SOP\_TSRM\_Maximo\_Build.doc

Concurrent Sessions- This is the configuration parameter which defines whether a user is restricted to only one session or can open multiple sessions in TSRM. The procedure to modify this is described below:

Stop the WAS Servers as described in T\_SOP\_TSRM\_WAS\_Restart.doc

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Execute the following query : select \* from MAXPROPVALUE where propname='mxe.enableConcurrentCheck'

If the value of the PROPVALUE field is 1, then a user can only have a single session on maximo. If it is 0, then the user can have multiple concurrent sessions on Maximo.

To update this value if required, execute the following SQL statement : UPDATE MAXPROPVALUE SET PROPVALUE='<1 for single session or 0 for multiple sessions' WHERE PROPNAME='mxe.enableConcurrentCheck'

Start up the WAS Servers.

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### Question # 18

What is Start Center in Maximo?

#### Answer:-

Start Center is nothing but a view of maximo when you login to it. Start center can be configured by the system admin according to the business needs. There can various tabs on start center. Maximo admin can include day to day task on it, or any message or any news in bulletin board. Your various tickets IN/SR can be shown on them. Short cuts to various applications required by the end user can also be provided on your start center. Start center can also be configured according to the security groups, i.e. different views for different person or according to the need and requirement of Business.

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### Question # 19

What is Integration Framework?

#### Answer:-

Integration Framework allows you to integrate maximo with other tools. It reduce your manual efforts. Integration is used for many ways they are as follows:

To create the thousands of classification in maximo in one time only.

To upload IN and SR in tool in just one click.

To create multiple user ids in Maximo.

To create the automatic tickets in maximo on receiving the alerts or any message, for which we integrated maximo with Netcool.

We can integrate maximo with Tivoli Directory Server by using Tivoli Directory Integrator, by creating assembly line in TDI.

Various Integration framework components are as follows:

Object structures

Services

Channels

External systems

Endpoint

Events

Web services

Content

[Read More Answers.](#)



### Question # 20

What is Email Integration?

#### Answer:-

Overview : Email Integration

This section provides an overview of Email integration with TSRM

Two types of integration have been configured:

Outbound email - This allows TSRM to send various notifications via email

Inbound email- This allows TSRM to automatically process inbound email to generate or query tickets for the reported problems

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### Question # 21

What are various modules of maximo?

#### Answer:-

The various modules of maximo are as follows:

Application Designer.

Database Configuration

Integration Module

Security

Workflow Administration

Change Request

Workflow Designer

Escalations

Cron Task

System Properties

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### Question # 22

Explain what are the various controls in the Application Designer Tool?

#### Answer:-

The various controls for Application Designer Tool are as follows:

Maximo uses a number of controls, numerous pre-fabricated elements like tables and textboxes, to build the user interface for its applications. The individual controls are part of Maximo's code and cannot be modified.

Control Name and Description

Tabgroup - A container for adding tabs.

Tab - An individual tab in a tab group.

Section - A container for adding controls such as section columns, section rows, fields, buttons, combo boxes, and check boxes.

Section Column - A column in a section.

Section Row - A row in a section.

Section Header - A container to label a section or a table window, with the capability to display dynamic values in its label. This control contains the parameter values control which is a container for the parameter value control.

Parameter Values - A container for the parameter value control to be used in sections and table windows.

Parameter Value - Dynamic values that reside within a section header.

Combobox - A combo box with drop-down functionality.

Checkbox - An HTML check box.

Blank Line - Inserts white space in a section.

Help Grid - Help text displayed in dialog boxes.

Image - Allows you to insert an image.

Listbox - An open, drop-down menu which displays dynamic content.

Multiline Textbox - A text input box with multiple lines.

Multipart Textbox - Two text boxes next to each other; one for displaying text and the other a description.

Static Text - Informational text displayed in an application.

Textbox - A text input box with a single line.

Table - A container for a table window.

Table Column - A container for a column in a table window.

Tree - A container for a hierarchical structure.

Tree Attribute - A value to describe the tree node control within the tree control.

Tree Node - A container for defining the child elements within the tree control.

Appbar - A container that displays all the applications, belonging to the current module, except for the currently displayed application.

Menubar - A menu bar that contains signature options for the Search, Query, and Bookmark menus.

Hyperlink - A hyperlink that supports both text and graphics.

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### Question # 23

Explain what Procedure Import Workflow in Maximo 7.1?

#### Answer:-

Procedure Import Workflow in Maximo 7.1

Note-

1. Object structure, publish channel, Enterprise services can be duplicated from migration to make it used by integration process and if it is not in migration/Integration then follow the steps given below to create it manually

2. Turn Admin mode to off before import.

3. The sequential queue processes messages one at a time, in a first-in-first-out

Sequence and as we are using sequential queue the error files if generated should be cleared from error folder from mea-global directory

4. Cron task set up- JMSQSEQCONSUMER make this cron task active for sequential queue

5. Create MEA Global directory, if it does not exist. Give the details of this in System Properties & all End Points that will be used.



6. Enable Message Tracking from select action menu for Enterprise Services created below
7. Create End Point & External System only once as per steps given below & can be used multiple times.

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### **Question # 24**

What is Inbound email integration?

#### **Answer:-**

Inbound email integration allows TSRM to process inbound emails and automatically create or update tickets with the details. In the Bharti environment, a notes application has been provided to end users to enable them to create, update and query tickets with ease. This application generates an XML and sends it via email to TSRM. Based on the OLM id of the user, the mail is sent to one of 3 email ids, or . TSRM polls the mail boxes of these 3 ids periodically and processes the mails to create or query tickets. The details of the configuration is provided below

Notes Application: A notes application is provided to users to create or query tickets in TSRM as shown. It can be used to query or create.

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### **Question # 25**

What is Outbound email integration?

#### **Answer:-**

This section details the two types of email integration that have been configured for TSRM

Outbound email integration- TSRM uses SMTP for sending out emails.

The configuration element for this is mentioned below:

The System Property mail.smtp.host controls which smtp server TSRM uses for sending out mail. This is currently set to (IP) which is a Domino server running SMTP service

Troubleshooting tips- Points to check for troubleshooting email delivery

Check that the firewall ports are opened between TSRM and the SMTP server. The port used by SMTP is 25. This check can be performed by trying to telnet to the smtp server on port 25 from both the WAS servers (IP)

Check the communication logs for the record in question to ensure that a mail was actually sent from TSRM.

Check for mail routing issues with the Notes team

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