

ORACLE FUSION MIDDLEWARE

Oracle B2B 11g Technical Note

Technical Note: 11g_002 eMail capabilities

This technical note lists the eMail capabilities in Oracle B2B.

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Introduction

Oracle B2B provides two email delivery Channels “*Generic eMail*” and “*Applicability Statement 1 (AS1)*” They can be configured to communicate through your own Mail Server or the Partners Mail Server

- **Using a the (HOST’s) Corporate Mail Server**

Direction	Protocol	Channel Type	Comments
Inbound	PoP3 or IMAP	Listening	The HOST Mail Server
Outbound (Options)	SMTP	Partner	A separate channel for each Partner
	SMTP	Host	The “jca.jms.JMSProperty.DynamicEmail” Property would be required to change the “TO” eMail address for each partner

- **Using the Partner’s Mail Server**

Direction	Protocol	Channel Type	Comments
Inbound	PoP3 or IMAP	Listening	The Partner Mail Server
Outbound	SMTP	Partner	A separate channel for each Partner

Generic eMail

Inbound: **Listening Channel (PoP3 or IMAP)**

Transport Protocol Parameters

For PoP3 change connection information and select "PoP3" from Email Server pop list.

The screenshot shows the 'Transport Protocol Parameters' tab for an 'Email' channel. The 'Transport Protocol' is set to 'Email'. The configuration includes the following fields:

* Host name	jshutchi-lap.us.oracle.com	Send as attachment	
Password	••••••	Folder	
ConfirmPassword	••••••	* Email id	OracleServices@jshutchi-lap.us.ora
User name	OracleServices	Subject	n/a
Polling interval		Email Server	IMAP
Content type			

Channel Attributes

The screenshot shows the 'Channel Attributes' tab for an 'Email' channel. The configuration includes the following fields:

<input checked="" type="radio"/> Enable Channel	Retry Count	5
<input type="radio"/> Disable Channel	Description	
Retry Interval	<input type="checkbox"/> Internal	
30	Transport Callout	

Outbound: Partner or Host Channel (SMTP)

Transport Protocol Parameters

Note: Ignore Email Server pop list

Transport Protocol

Transport Protocol Parameters **Channel Attributes**

* Host name	<input type="text" value="jshutchi-lap.us.oracle.com"/>	Send as attachment	<input type="text"/>
Password	<input type="password" value="••••••"/>	Folder	<input type="text"/>
ConfirmPassword	<input type="password" value="••••••"/>	* Email id	<input type="text" value="OracleServices@jshutchi-lap.us.or&"/>
User name	<input type="text" value="OracleServices"/>	Subject	<input type="text" value="n/a"/>
Polling interval	<input type="text"/>	E-Mail Server	<input type="button" value="IMAP"/> <input type="button" value="v"/>
Content type	<input type="text"/>		

Channel Attributes

Channel Details

Transport Protocol

Transport Protocol Parameters **Channel Attributes**

Retry Interval	<input type="text" value="30"/>	Transport Callout	<input type="button" value="v"/>
Retry Count	<input type="text" value="5"/>		
Description	<input type="text"/>		

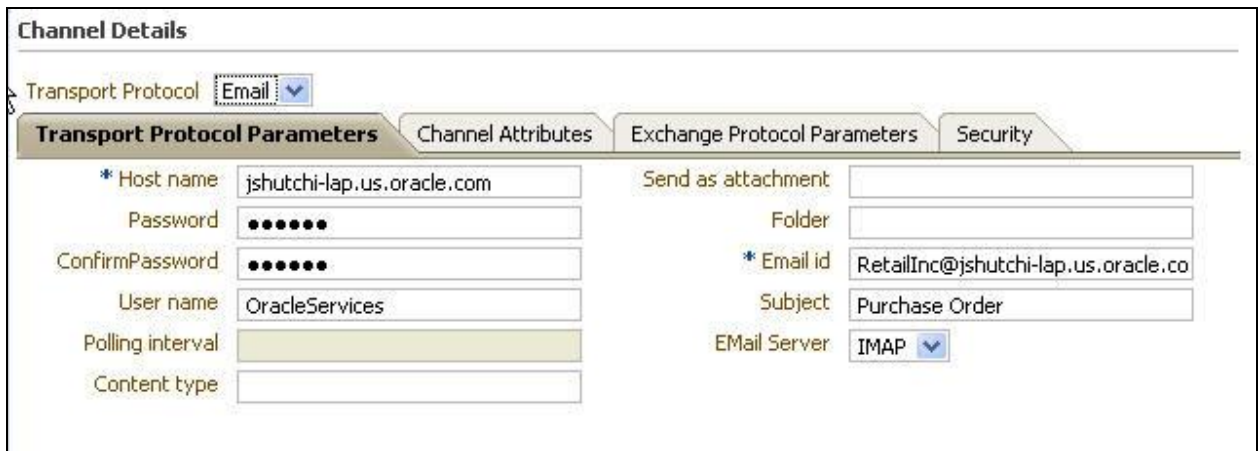
Applicability Statement 1 (AS1)

Inbound: Listening Channel (PoP3 or IMAP)
Same as Generic

Outbound: Partner (SMTP)

Transport Protocol Parameters

Note: Ignore Email Server pop list



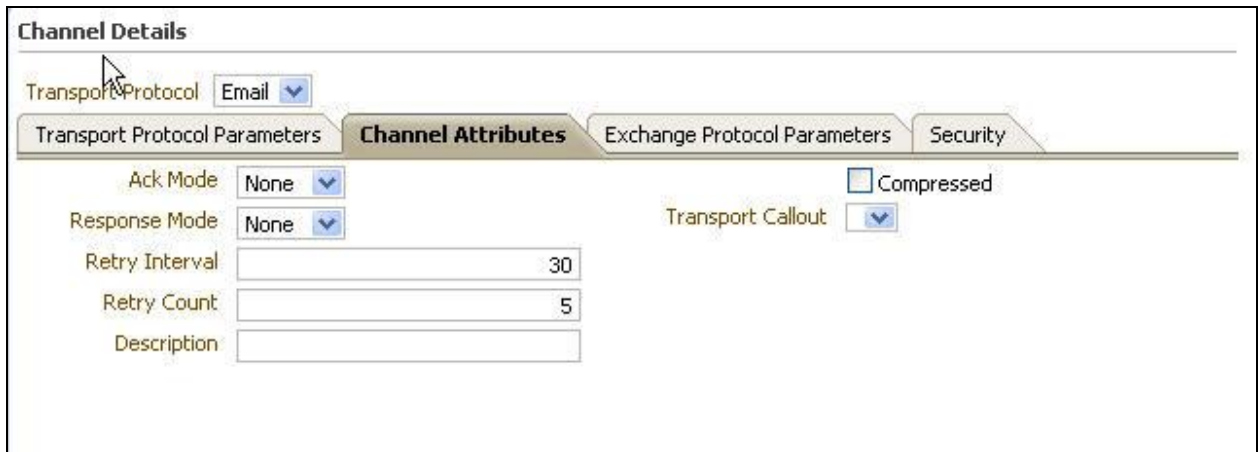
Channel Details

Transport Protocol: Email

Transport Protocol Parameters | Channel Attributes | Exchange Protocol Parameters | Security

* Host name	jshutchi-lap.us.oracle.com	Send as attachment	
Password	••••••	Folder	
Confirm Password	••••••	* Email id	RetailInc@jshutchi-lap.us.oracle.co
User name	OracleServices	Subject	Purchase Order
Polling interval		EMail Server	IMAP
Content type			

Channel attributes



Channel Details

Transport Protocol: Email

Transport Protocol Parameters | **Channel Attributes** | Exchange Protocol Parameters | Security

Ack Mode	None	<input type="checkbox"/> Compressed
Response Mode	None	Transport Callout
Retry Interval	30	
Retry Count	5	
Description		

Exchange Protocol Parameters

Channel Details

Transport Protocol **Email** ▾

Transport Protocol Parameters | **Channel Attributes** | Exchange Protocol Parameters | Security

Ack Mode **None** ▾ Compressed

Response Mode **None** ▾ Transport Callout **None** ▾

Retry Interval

Retry Count

Description

Security

Channel Details

Transport Protocol **Email** ▾

Transport Protocol Parameters | **Channel Attributes** | Exchange Protocol Parameters | **Security**

Ack Mode **None** ▾ Compressed

Response Mode **None** ▾ Transport Callout **None** ▾

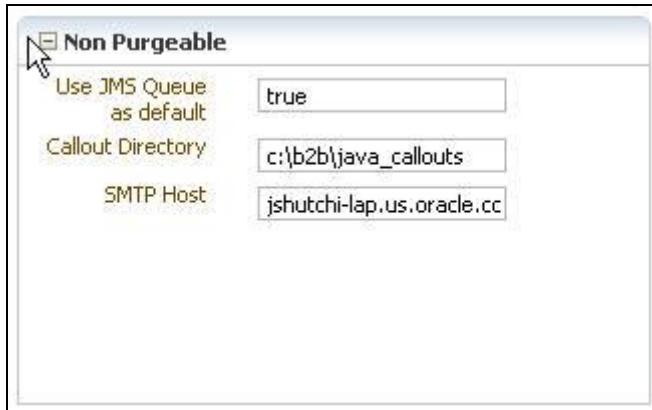
Retry Interval

Retry Count

Description

UI: Administration → Configuration

The “SMTP Host” parameters on this UI Configuration screen is used for the AS1 Message Disposition Notifications (MDN)



The screenshot shows a configuration window titled "Non Purgeable". It contains three input fields:

Parameter	Value
Use JMS Queue as default	true
Callout Directory	c:\b2b\java_callouts
SMTP Host	jshutchi-lap.us.oracle.cc

Programmatic Setting and Override

The “TO” email

This property enables the user to override the ‘TO’ mailing list

Property	Value	
<i>jca.jms.JMSProperty.DynamicEmail</i>	<i>MarketInc@oracle.com</i>	11g
	<i>MarketInc@oracle.com, SalesInc@oracle.com</i>	
<i>jca.jms.JMSProperty.ACTION_NAME</i>	TO: <i>MarketInc@oracle.com</i>	Legacy
	TO: <i>MarketInc@oracle.com, SalesInc@oracle.com</i>	

The “CC” email

This property enables the user to set the ‘CC’ mailing list

Property	Value	
<i>jca.jms.JMSProperty.CC</i>	<i>MarketInc@oracle.com</i>	11g
	<i>MarketInc@oracle.com, SalesInc@oracle.com</i>	
<i>jca.jms.JMSProperty.ACTION_NAME</i>	CC: <i>RetailInc@oracle.com</i>	Legacy

The “Email Subject”

This property enables the user to override the ‘Subject Line’

Property	Value	
<i>jca.jms.JMSProperty.EmailSubject</i>	<i>Purchase Order Request</i>	11g
<i>jca.jms.JMSProperty.ACTION_NAME</i>	EmailSubject: <i>Purchase Order Request</i>	Legacy

Legacy combination

This property enables the user to stack the directives in one line.

Property	Value	
<i>jca.jms.JMSProperty.ACTION_NAME</i>	DynamicEmail: <i>MarketInc@oracle.com</i> ; CC <i>:RetailInc@oracle.com,SalesInc@oracle.com</i> ; EmailSubject: <i>Purchase Order Information</i>	Legacy

Notes

- Attachments are NOT Supported with the *ACTION_NAME* syntax
- Best Practice is to use the individual “*jca.jms.JMSProperty*” properties

Send Attachment(s)

This properly enables the user to add attachments.

Property: ***jca.jms.JMSProperty.Attachment***

Example1: Single attachment | File
 jca.jms.JMSProperty.Attachment=

```
<?xml version="1.0" encoding="UTF-8"?>
<Attachments
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="C:\b2b\AttachmentsDescriptor.xsd"
  boundary="boundary----">

  <AttachmentPart>
    <Location>file://c:\b2b\attachments\RI_PurchaseOrder.xml </Location>
    <Content-Type>
      <Discrete-type>text</Discrete-type>
      <Sub-type>plain</Sub-type>
      <Parameter Name="charset" Value="us-ascii"/>
    </Content-Type>
    <Content-Transfer-Encoding>7-bit</Content-Transfer-Encoding>
    <Content-ID/>
    <Content-Description/
  </AttachmentPart>

</Attachments>
```

Example2: Two attachments | File

```

<?xml version="1.0" encoding="UTF-8"?>
<Attachments
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="C:\b2b\AttachmentsDescriptor.xsd"
  boundary="boundary----">

  <AttachmentPart>
    <Location>file://c:\b2b\attachments\Product.jpeg</Location>
    <Content-Type>
      <Discrete-type>image</Discrete-type>
      <Sub-type>jpeg</Sub-type>
    </Content-Type>
    <Content-Transfer-Encoding>BASE64</Content-Transfer-Encoding>
    <Content-Description>A JPEG file</Content-Description>
  </AttachmentPart>

  <AttachmentPart>
    <Location>file://c:\b2b\attachments\OS_PurchaseOrder.xml</Location>
    <Content-Type>
      <Discrete-type>text</Discrete-type>
      <Sub-type>plain</Sub-type>
      <Parameter Name="charset" Value="us-ascii"/>
    </Content-Type>
    <Content-Transfer-Encoding>7-bit</Content-Transfer-Encoding>
    <Content-ID/>
    <Content-Description/>
  </AttachmentPart>

</Attachments>

```

Notes:

- Legacy: jca.jms.JMSProperty.ACTION_NAME is NOT SUPPORTED.
- If using a composite select attachment in B2B Wizard. This created the required structure. Then in the composite assign the attachment(s) and payload.
- Refer to Technical Note: "TN_B2B_11g_006_Attachment" for details.