

# ORACLE FUSION MIDDLEWARE

## Oracle B2B Technical Note

### Technical Note #009

### E-Mail Transport

The SMTP Transport enables the user to configure Oracle B2B to send / receive messages. This delivery channel enables the user to configure additional parameters for each Delivery Channel to specify the content type of the message, specify if the message should go in the body or as an attachment etc.

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## Scenario

In the following scenario we are assuming that two Trading Partners Acme and GlobalChips want to exchange documents using Email Transport.

Assumptions:

- Acme, is the initiator and sends a Custom Document using the Email Transport
- GlobalChips is the responder
- When the Email transport is configured for the Hosted Trading Partner, this Transport Endpoint polls the specified IMAP server at the interval specified in the configuration.
- The Email transport for the remote Trading Partner is used only to send the payload to the Trading Partner.

## Acme (Host): Setting up Email Transport

In the following set of tasks, Acme is considered the Hosted Trading Partner.

- There should be at least one protocol over Generic Exchange.
  - Custom Document over Generic Exchange
  - EDIFACT over Generic Exchange
  - EDI X12 over Generic Exchange
- Create the Transport under the Host Communication Capability

### Create Delivery Channel

Create the Delivery Channel under the Communication Capabilities under the Hosted Trading Partner



#### Delivery Channel

Field	Value
Name	Acme Email
Acknowledgment Mode	None

#### Document Exchange

Field	Value
Name	Acme DocExchange
Exchange Protocol Revision	Generic – 1.0

## Transport page

Field	Value
Name	Acme Transport
Transport Protocol	E-Mail – 1.0
Transport Server: Create New	Selected
Transport Server: Name	Acme EMail Transport Server
Hostname	Your Email server ex: orcl1.oracle.com
Username	E-Mail user name. E.g. (ipsend)
Password	E-Mail password
Parameters: content-type	application/b2b
Send Message as attachment	True
Endpoint: Create New	Selected
Endpoint URI	<Username>@<Hostname>

### Notes:

- Email attachments are **base64 encoded**. We have noticed that if you set the content type as “text/plain”, it introduces ^M characters in the base 64 encoded message and thus creating difficulties in the decoding side. It is recommended that you use “application/b2b” as the content type.
- The flag, Send Message as attachment, decides if the payload will go in the body or as an attachment. The default is set to send the payload as attachment. Some Mail servers chop off lines more than 80 or 120 characters long. So it is advised to send the payload as attachment.
- This endpoint will poll the host at regular intervals (default: 60 seconds) for any Email.

## Acme: Trading Partner Identification

While using Generic Exchange (Email, FTP, File), both the Host and the Remote Trading Partner should be identified with a Generic Identifier. To create a Generic Identifier, follow these steps.

Select Acme (Host) and enter the following Trading Partner Identifications information

Field	Value
Trading Partner Identification Type	Generic Identifier
Value	ex: ipsend@oracle.com

## GlobalChips (Trading Partner) Setting up Email Transport

The same steps used to setup Acme can be used to configure the Remote Trading Partner.

### Create Delivery Channel

When configuring the endpoint for GlobalChips, the only changes would be to the Hostname, Username and password.

### GlobalChips: Trading Partner Identification

Select GlobalChips and enter the following Trading Partner Identifications information

Field	Value
Trading Partner Identification Type	Generic Identifier
Value	ex: iprecv@oracle.com