

Technical Note #030

Oracle B2B Binary Transfer

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Background

This document intends to capture the high-level design and implementation of “Binary File Transfer” in Oracle B2B. This feature is enabled as part of delivery channel configuration.

Business Use case

In some cases, many enterprises wish to transfer the binary content instead of regular XML/Text files.

Binary files like (pdf/xls/zip/gif... etc) can also be transferred using Oracle B2B. Based on the business needs there may be a necessity to transfer binary documents.

Implementation Details

Outbound case

Binary file transfer in B2B will be based on custom document over Generic/AS2 exchange protocols.

The File/FTP/SFTP/JMS Internal listening channel can be used for binary file transfer. In case of File/FTP/SFTP delivery channels the filename format or the directory name format should contain the document type and document version along with From/To party.

In case of JMS internal listening channel the event name should contain the BINARYPAYLOAD property as true,

For example, eventName=BINARYPAYLOAD:true

After setting the above property, the JMS Message body should contain the binary payload. The payload is expected as bytes message for binary transfer

For example, message.setBody(binarypayload);

Based on the configured From,To, Document Type and Document Revision, B2B will identify the agreement and send it to the trading partner.

For Binary file transfer B2B supports Generic/AS2 exchange protocol as trading partner delivery channel.

Note that the document validation should be turned off at the agreement level.

Inbound case

In case of File/FTP/SFTP trading partner listening channels the filename format should be configured with From, To, Document Type and Document Revision. Based on the filename format B2B will identify the agreement and send it to backend application.

In case of Generic HTTP/AS2, based on the additional http headers like DOCTYPE_NAME and DOCTYPE_REVISION b2b will identify the agreement and send it to backend application.

Document validation should be turned off at the agreement level.

Inbound listening channel format sample:

Filename format: %FROM_PARTY%_%DOCTYPE_NAME%_%DOCTYPE_REVISION%_%TIMESTAMP%.dat
Sample filename for the above format: GlobalChips_ORDERS_1.0.123333333.dat

Conclusion

In summary, this tech note explains how binary files like (pdf/xls/zip/gif) can be transferred using Oracle B2B. The configuration details for both the inbound and outbound cases have been explained.

Discuss this technical note in the [SOA Suite Discussion Forum](#) or [Oracle B2B Discussion Forum](#).