

ORACLE FUSION MIDDLEWARE
Oracle B2B Technical Note

Technical Note #014
Sizing Questionnaire

Sizing a topology for Business Process Integration can be affected by multiple factors: Hardware, software, transports, exchanges, number of processes, number of documents, size of documents, batching, frequency of transmitting, number of trading partners, security requirements, Human Workflow, etc.. The purpose of this document is to identify these requirements and any obvious performances issues. Note: Final performance numbers can only be achieved on the production topology.

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What standards do you plan to implement? (EDI, UBL, AS2, HL7,..)

Standard	Exchange	Transport
EDI X12	AS2	HTTPS

For each standard what document(s) do you plan to exchange?

Standard	Document Type	Transaction	Version	Send / Receive	Batching
X12	PO	850	4010	Send	N

For each document type define:

Questions	Response
How many trading partners do you anticipate? (50, 100, ..)	
What is the average size of the document? (10K, 15K,..)	
What is the volume per day for each document? (100, 1000, ...)	
What is the volume for peak periods?	
Do you anticipate large files? (10 Meg, 50 Meg,..)	
If batching, what is the average size?	
Do you plan to uses encryption?	
Do you plan to use no-repudiation of origin?	
Do you plan to use no-repudiation of receipt?	
What transport do you plan to use? (FTP, HTTP, SMTP, ..)	
What exchange do you plan to use? (AS2, ebMS, MLLP, ..)	

Topology

Questions	Response
What hardware do you plan on utilizing? (Windows, Linux, Solaris,..)	
Do you required failover and/or high availability?	
What topology do you plan on using? (Distributed, ...)	
What are you security requirements? (Firewalls, SSO, ..)	

Do you plan on utilizing Oracle BPEL Process Manger?

Questions	Response
Do you plan integration into backend system(s)? (Oracle, SAP, ...)	
How many processes do you anticipate?	
What are your transformation requirements?	
What adapters do you plan to use? (FTP, AQ, DB, ..)	
Is Human Workflow required?	

Performance Expectations

Questions	Response
What is the SLA promised to the Customer?	
What is the expected throughput?	