

Environment				
OS	Ubuntu 14.04			
JDK version	1.7.0.60			
WSO2 ESB version	4.8.1			
WSO2 MB version	3.0.0			
Apache Jmeter version	2.12			
*Tests were performed with JMeter 2.12 with following configurations.				
Xmx	6144mb			
Xms	1024mb			
*The ESB proxy was designed to iterate through the request payload and publish to multiple topics.				
The mediator code + documentation can be found at :				
https://github.com/hastef88/wso2.tryouts/tree/master/JMSPublisherCacheMediator				

Without Publisher Caching								
Message Size	# of topics	# Of Publisher Threads	# of messages per thread	Total messages	# of subscribers	Publisher throughput (msg/s)	Subscriber throughput (msg/s)	Notes
5 KB	1	5	20000	100000	5	354	132.8	Initially the Pub TPS was at ~1020, and went down gradually, settling to an MB server timeout warning + OOM from ESB.
						270	130	Same as above
With The PublisherCacheMediator								
Message Size	# of topics	# Of Publisher Threads	# of messages per thread	Total messages	# of subscribers	Publisher throughput (msg/s)	Subscriber throughput (msg/s)	Notes
5 KB	1	5	20000	100000	5	1262	1157	
						1311	1254	
		10	10000	100000	10	1998	1829	
With per topic Caching in axis2.xml (As per http://waruapz.blogspot.com/2014/10/jms-performance-tuning-with-wso2-esb.html)								
Message Size	# of topics	# Of Publisher Threads	# of messages per thread	Total messages	# of subscribers	Publisher throughput (msg/s)	Subscriber throughput (msg/s)	Notes
5 KB	1	5	20000	100000	5	1207	1148	
						1295	1261	
		10	10000	100000	10	1588	1434	