













Performance Inhibitors - Notes	S H A R E having: Senter- Inst
 Unnatural expectations Performance reports Why does IBM report X when we can only get Y'? Other peoples ideas 'In my environment, I get 2500 transactions per second' Sometimes it is a difference in measurement criteria 	
 Lack of resources The overall system may have constraints that MQ has no control over 	
 Volume growth over time This is what I think of as the 'creeping syndrome', a process that is executed once ar every minute after a full rollout, and going to millions of executions per second when service can impact performance in surprising ways. If planned, the impact can be mi ways. 	exposed as a
Unexpected volume Stock market meltdowns, recovering from network outages, complete catalog updates, initial databa: Unexpected volume growth – anticipating demand for this process is underestimated by a substantia If not prepared, these events can cause critical performance problems	
Applications Always an opportunity.	
8 Complete your sessions evaluation online at SHARE.org/AnaheimEval	SHARE in Anaheim





WMQ Applicat	ion Performa	nce - Queues	SHARE barge constant and
 Higher CPU 	porary Dynamic qu	ieues should be avoid longer	ded
 The CPU cos 	st comparison		
Verb	TDQ	Permanent	Difference
 Open 	125	38	238%
 Close 	111	26	327%
Put	104	113	-8%
 Inquire 	17	18	-5%
 The Elapsed 	Time compari	son	
 Verb 	TDQ	Permanent	Difference
 Open 	850	39	2079%
Close	113	26	335%
Put	106	115	-8%
 Inquire 	17	18	-5%
11 Complete your sessions evaluation o	nline at SHARE.org/AnaheimEval		SHARE in Anaheim

WMQ Applicat	ion Perfo	rmance - Que	eues	S H A R E hearge : construct - fruit
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12 Complete your sessions evaluation o	line at SHARE.org/Anahe	imEval		SHARE in Anaheim



















































The CPU cost	t comparison		
 Verb 	Persistent	NonP	Difference
 Open 	125	38	238%
Close	111	26	327%
Put	104	113	-8%
 Inquire 	17	18	-5%
-	Time comparison		
• Verb	Persistent	NonP	Difference
 Open 	850	39	2079%
Close	113	26	337%
Put	106	115	-8%
 Inquire 	17	18	-5%
 Inquire 	17	18	-5%





Effect o	f MQPI	JT1					SHAF Tethnalog- Cannelland
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	ųs CPU		otal 351	,000,	ųS		
PUTs: Valid -MQ call- Put1 :	3000, M. N 3000	ax size ET 121	CT 117	size Susp O	80, LOGW 0	Total bytes 240000 PSET Epages	skip expir€
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	uqru us CPl	J, for a	total of 2	216,0	00 ųs		
PUTs: Valid -MQ call- Open :	U ųs CPl 3000, M 1	ax size ET 84	CT 81	size Susp 0		Total bytes 240000 PSET Epages	skip expire
• 72 PUTs: Valid -MQ call-	3000, M 1 3000	ax size ET	CT Min	size Susp	80,		skip expire





















Put to waiting getters

For out-of-syncpoint nonpersistent messages

 If there is a get wait for the message – then putting application moves it directly to the get buffer, and posts the ECB. The message does not touch the queue, true for both private and shared queues

	Put CPU	Get CPU	Total CPU
Put only (load)	147		147
Get only (drain)		165	165
Total			312
Put and get	124	132	256
plete your sessions evaluation online at SHARE	.org/AnaheimEval		SH















	Monday	Tuesday	Wednesday	Thursday	Friday	
08:00					Free MQ! - MQ Clients and what you can do with them	SHAR Technology - Connections - Res
09:30	Clustering – the easier way to connect your Queue Managers	MQ on z/OS - vivisection	The Dark Side of Monitoring MQ - SMF 115 and 116 record reading and interpretation		They Came from Across the Pond: Performance Programming for CICS with WMQ	
11:00		Diagnosing problems for Message Broker	Lock it down - WebSphere MQ Security	Using IBM WebSphere Application Server and IBM WebSphere MQ Together	Spreading the message – MQ pubsub	
12:15	Highly Available Messaging - Rock solid MQ	Putting the web into WebSphere MQ: A look at Web 2.0 technologies	The Doctor is In and Lots of Help with the MQ family - Hands-on Lab			I
01:30	WebSphere MQ 101: Introduction to the world's leading messaging provider	What's new in the WebSphere MQ Product Family	Extending IBM WebSphere MQ and WebSphere Message Broker to the Cloud	MQ Performance and Tuning on distributed including internals		
03:00	First steps with WebSphere Message Broker: Application integration for the messy	What's new in Message Broker V8.0	Under the hood of Message Broker on z/OS - WLM, SMF and more	The Do's and Don'ts of z/OS Queue Manager Performance		
04:30	The MQ API for Dummies - the Basics	What the **** is going on in my Queue Manager!?	Diagnosing problems for MQ	Shared Q using Shared Message Data Sets		
06:00			For your eyes only - WebSphere MQ Advanced Message Security	MQ Q-Box - Open Microphone to ask the experts questions		

