

-	nts				S H Technology
ce config events a	are enab	led			
hanges to the obje	ects are r	ecorde	ъd		
• On z/OS the messa				ictont	
		pically			
lueues					
Filter: ADMIN					
✓ Queue name	Queue type	QSG disposi	Open input count	Open outp	Current queue depth
✓ Queue name Ø SYSTEM.ADMIN.ACTIVITY.QUEUE	Queue type Local	QSG disposi Queue man		Open outp 0	Current queue depth 0
•			0		
SYSTEM.ADMIN.ACTIVITY.QUEUE	Local	Queue man	0	0	0
SYSTEM.ADMIN.ACTIVITY.QUEUE	Local Local Local Alias	Queue man Queue man Queue man Queue man	0 0 0	0 0 0 0	0
SYSTEM.ADMIN.ACTIVITY.QUEUE	Local Local Local	Queue man Queue man Queue man	0 0 0	0	0
SYSTEM.ADMIN.ACTIVITY.QUEUE SYSTEM.ADMIN.CHANNEL.EVENT SYSTEM.ADMIN.COMMAND.EVENT SYSTEM.ADMIN.COMMAND.QUEUE SYSTEM.ADMIN.CONFIG.EVENT SYSTEM.ADMIN.PERFM.EVENT	Local Local Local Alias	Queue man Queue man Queue man Queue man	0 0 0 0 0 0 0 0 0	0 0 0 0	0
SYSTEM.ADMIN.ACTIVITY.QUEUE SYSTEM.ADMIN.CHANNEL.EVENT SYSTEM.ADMIN.COMMAND.EVENT ∬SYSTEM.ADMIN.COMMAND.QUEUE SYSTEM.ADMIN.CONFIG.EVENT	Local Local Local Alias Local	Queue man Queue man Queue man Queue man Queue man	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 14

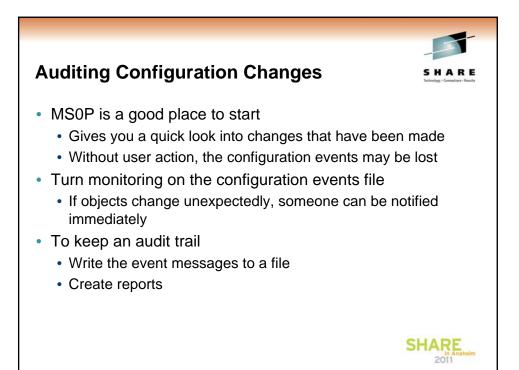
Configuratio	n Events t 'human readable	ə'	S H A R E Isteling-Constitute Insult
	e 14 - Properties	X	
Genera Report Contes Identifi Segura Data	tt Data knoth:	1532 MQEVENT 500 785 B 10 00 2B B 10 09 41 B 10 09 41 B 10 09 55 B 10 08 E5 B 10 03 F3 B 10 00 B5 4FEKUEHLT 10 03 F3 B 10 08 E7 B 11 1 10 09 40 4FEKUEHLT 0 40 40 4FEKUEHLT 0 40 40 4FEKUEHLT 0 40 40 4FEKUEHLT 10 00 10	SHARE

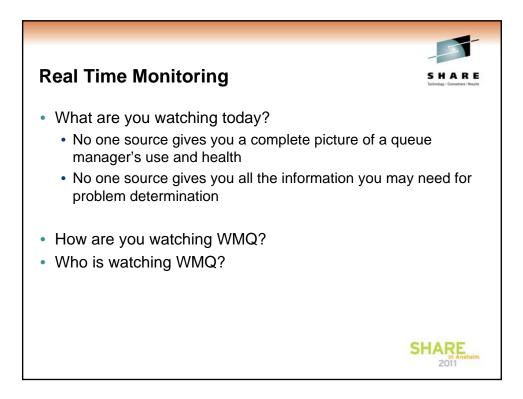
Configuration Events	S H A R E Tekning - Cenatians - Frank
 They can easily be displayed using MS0P Plug- Right click on the queue name and select 'Format messages 	
 Events and Statistics selection panel is used to se messages to be formatted 	ect the
🏰 WebSphere MQ Events and Statistics 🛛 🔀	
Queue Manager QML1 Operation Reading from SYSTEM.ADMIN.CONFIG.EVENT	
Message Access Application Identity Previous Results -	
Time Filtering (yyyymmddhhMMss) Include messages after Include messages before	
OK Cancel	
	SHARE 2011

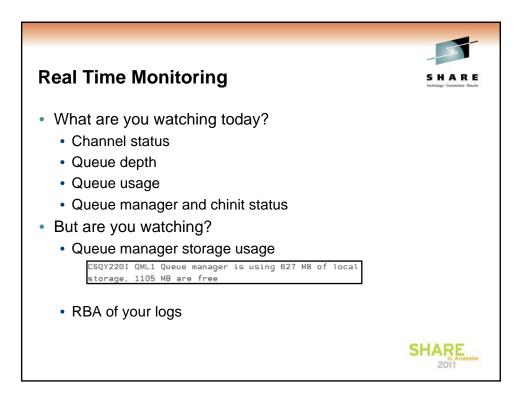
Configuration Eve	ents	S Techer	HARE hay - Constitue - Real
 The event message 	es are configured and	can be examir	ned
to see the changes	that have been made		
to bee the changed			
Events and Statistics 🛛 🚺 MQ Exp	lorer - Content 🏲 Administration Log		
Queue Manager: QML1			
	m SYSTEM.ADMIN.CONFIG.EVENT		
Events for Queue Manage	DEPTXN3.DTCC.SEP12.SMF		
SYSTEM.ADMIN.CONFIG.			
	57] Config Change Object	[2368]	
	57] Config Change Object	[2368]	
	02] Config Create Object	[2367]	
	01] Config Change Object	[2368]	
	01] Config Change Object 04] Config Change Object	[2368]	
	04] Config Change Object 04] Config Change Object	[2368] [2368]	
	07] Config Change Object	[2368]	
	07] Config Change Object	[2368]	
	23] Config Create Object	[2367]	
	27] Config Delete Object	[2369]	
	40] Config Delete Object	[2369]	
	27] Config Create Object	[2367]	
	19] Config Delete Object	[2369]	
		CU/	\DF
		SUN	in Anaheir

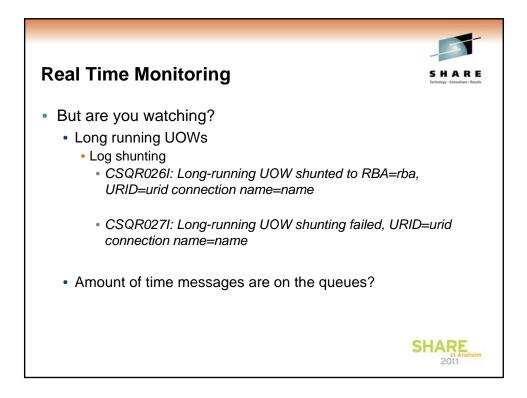
		ts - No	otes		SHARE Technology - Connections - Result
Nists that				ala avvia av th	-
	change me	-	•	•	
before ar	nd after imag	e. Crea	tion and d	eletion are s	ingle
message	IS S				•
Events and Statistics		- Content	Administration Lo	n (n c	
		content	/ diffinition decorr ex	-9	
Queue Manage Last Operation:	-		CONFIG.EVENT		
Events for					
	MIN.CONFIG.EVE				
E [2011/0]	2/24 17:04:57]	Config Ch	ange Object	[2368]	
	2/24 17:04:57]	Config Ch	ange Object	[2368]	
	2/24 17:07:02]			[2367]	
	2/24 17:08:01]			[2368]	
	2/24 17:08:01]			[2368]	
	2/24 17:08:04]			[2368]	
	2/24 17:08:04]			[2368]	
	2/24 17:08:07]			[2368]	
	02/24 17:08:07] 02/24 17:10:23]			[2368] [2367]	
	2/24 17:10:23]			[2367]	
	2/24 17:12:27]			[2369]	
±				[2367]	
)2/25 11:01:27])2/25 12:01:19]		lete Object	[2369]	
			lete Object	[2369]	

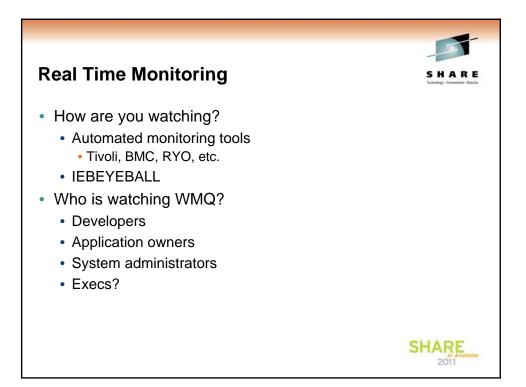
Configura	tion Evonte B	oforo and A	ftor SHAP
 ⊕ [2011/03/01 13:14:38] Conf Event Type Event User Id Event Origin Event Queue Manager 	tion Events B ig Change Object [2368] : Config - Before Change : ELEXINSCT : Mag : QML1 : 1a0fd8d4d3f1c3c8c9d5f1f4c6c6f7c1c0 : : Java : WebSphere MQ Client for Java : : Queue : SYSTEM.ADMIN.LYNTEST :	 (2011/03/01 13:14:38) Conf Event Type Event User Id Event Queue Manager Event Queue Manager Event Appl Identity Event Appl Identity Event Appl Name Event Appl Origin Object Type Queue Name Queue Desc Backout Reg Queue Name 	fig Change Object [2368] : Config - After Change : ELKINSCT : Mag : QML1 : la0fd8d4d3flc3c8c9d5f1f4c6c6f7clc6 : : Java

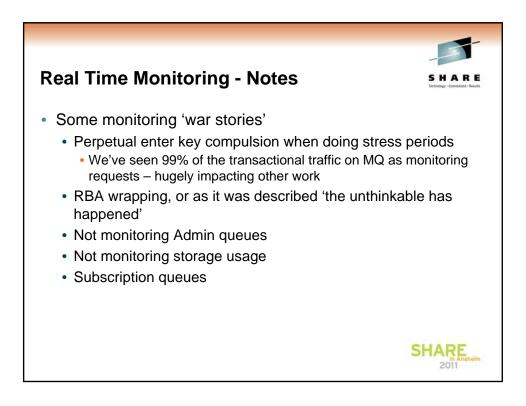


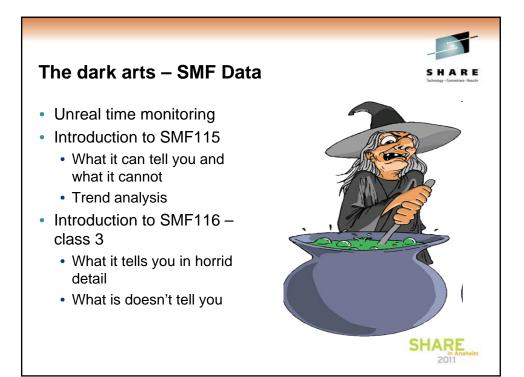


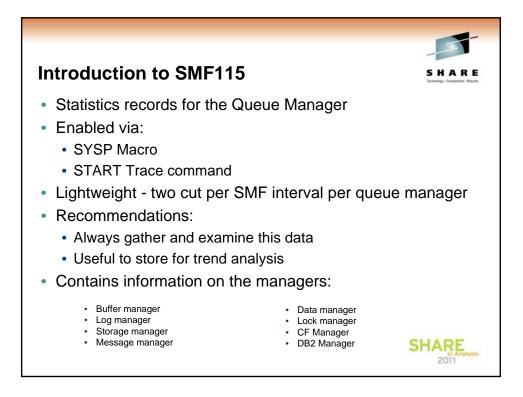


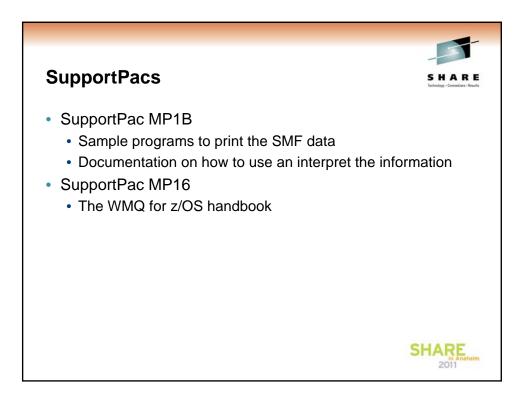


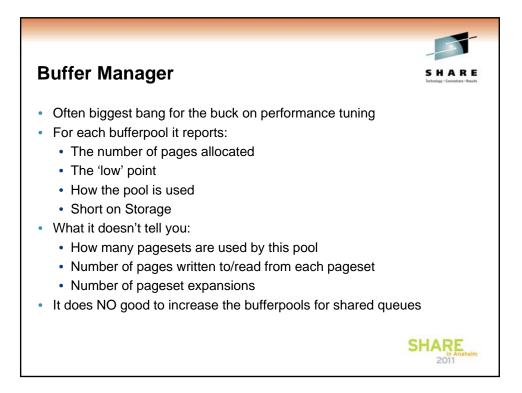


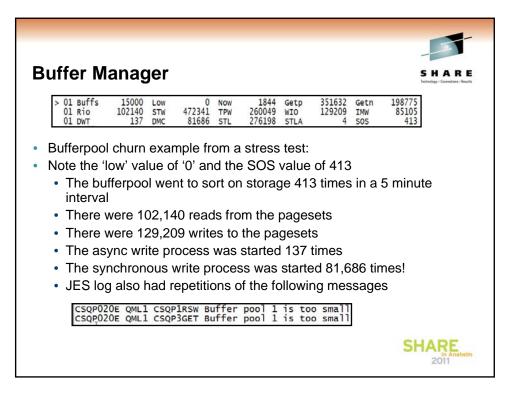


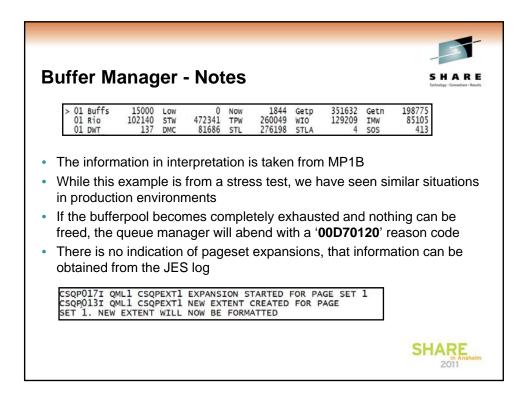


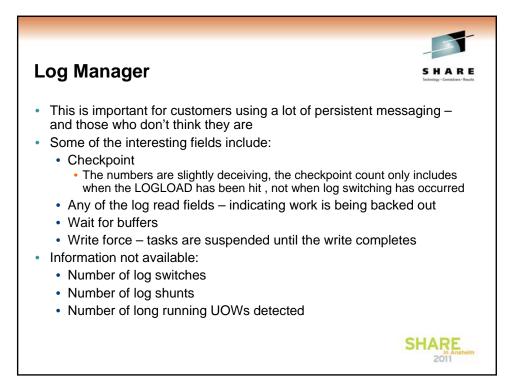






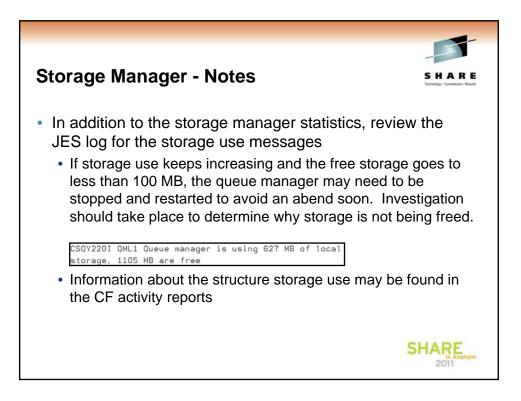


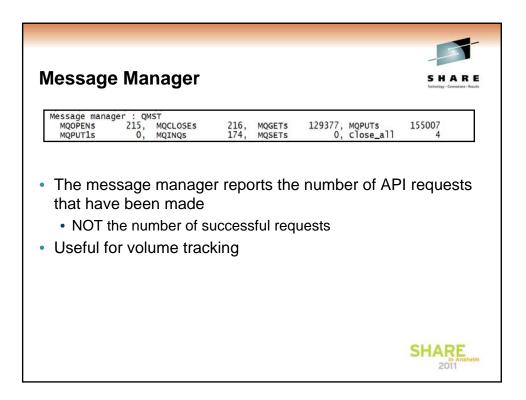


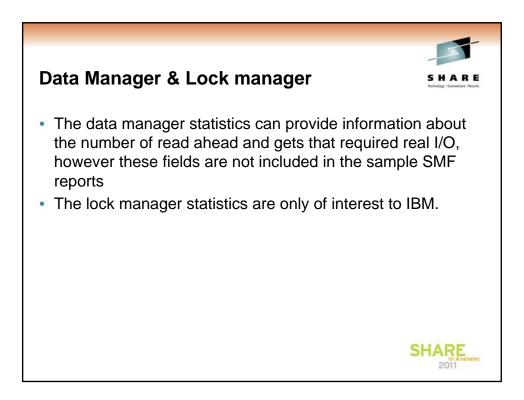


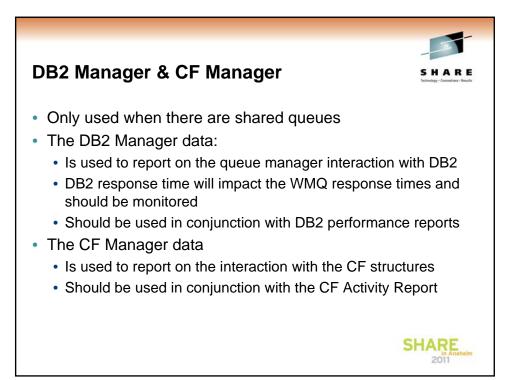
g manager Write_Wait Read_Stor BSDS_Reqs ALW WUR Write_Susp Write_Serl	: QJST 0, 0, 814, 0, 0, 101189,	Write_Nowait Read_Active CIS_Created CIS_Offload LAMA Write_Reqs write_Thrsh	3818652, 0, 750066, 914688, 0, 41648, 2381.	Write_Force Read_Archive BFWR Checkpoints LAMS CI_Writes Buff_Pagein	1663, 0, 103576, 0 758876	WTB TVC ALR	179 0 0
 Note 20 du WTB 	that ch uring the – is the	e interval c e wait cour	aused b at for un	but there h by log switc available b mended va	hes uffers, a		

Storage Manager	SHARE Technology - Connections - Result
Storage manager : QSST Fixed pools : Created 48, Deallocated 49 Fixed segments: Freed 0, Expanded 1, Contracted Varbl pools : Created 38, Deallocated 38 Varbl segments: Freed 6178, Expanded 6178, Contracted Getmains 48, Freemains 48, Non-Zero RCS 0	1 0
SOS bits 0, Contractions 0, Abends 0	
 Two fields are of interest: SOS bits – QSSTCRIT – which indicates a critical shore 	rt on storage
 A sort on storage was detected – QSSTCONT – and s contractions had to be done. 	•
Information not available:	
High and low watermark use, both below and above th	e bar
Storage use by type (security caching, index, etc.)Storage use in the CHIN by clients and channels	
	SHARE 2011

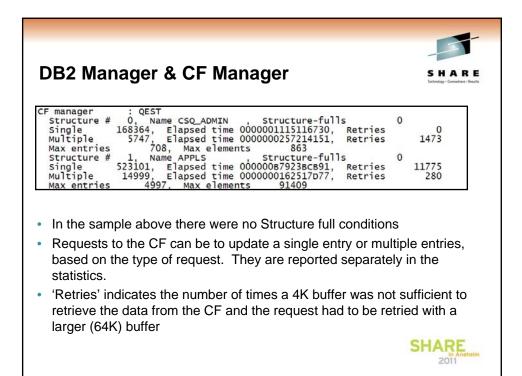


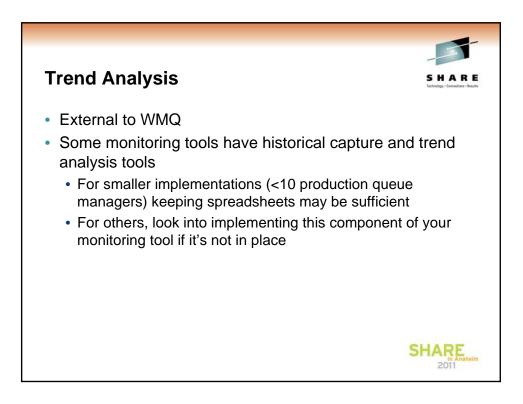




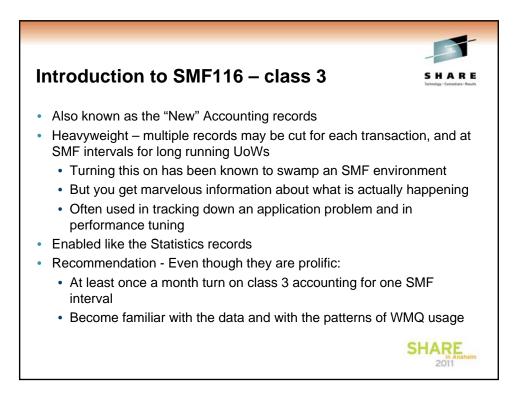


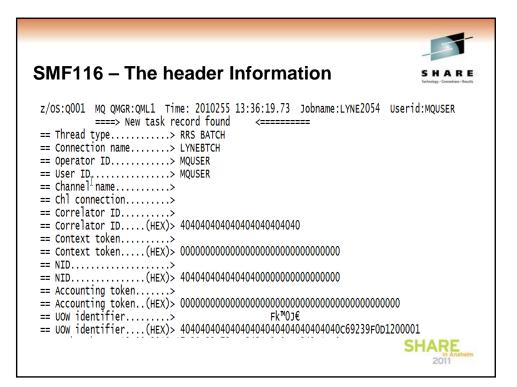
manager asks : Serv High umber of dea	late is	14,	Active Abend	9, 0,	Conne			0, Di 0	SCS		0
ads sts S Selects S Inserts S Updates	:	Count 580 485 30 212 272	Task avg 1 4 5 8 5	Task	max 2 97 33 47 49	DB2	avg 4 5 8 5	DB2	max 97 33 47 49	(m/s)	
S Deletes	:	224 40	6		25	I	6		25		
	•		e, the 'H lests to	•			•		nts	the	higł
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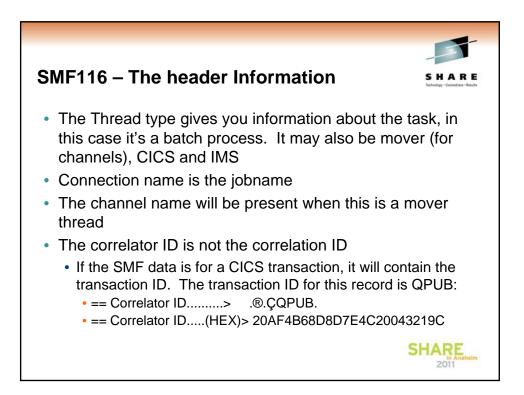




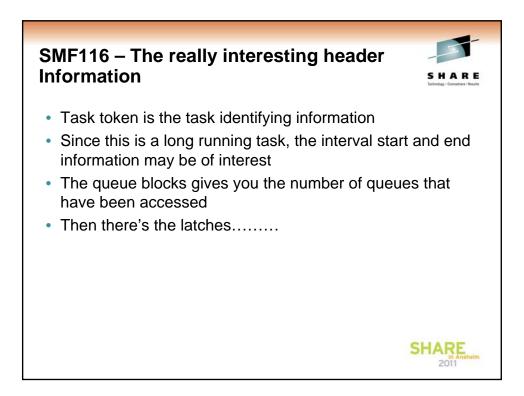






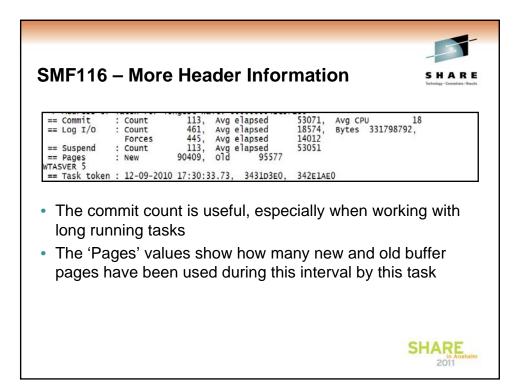


SMF116 – The Header Information – cont'd	S H A R E Tetelag - Geneticae
<pre>== Task token : 12-09-2010 17:30:33.73, 3431D3E0, 342E1AE0 == Interval : START 12-09-2010 17:30:33.73 == Interval : END 12-09-2010 17:36:19.73 == Number of queue blocks for this task 4 == Other reqs : Count 4, Avg elapsed 200, Avg CPU 13 == Latch : Max number 19, Max wait 35788780 mics > Latch 7, Total wait 161 mics, Waits 2, Name DMCISTGC > Latch 11, Total wait 6473 mics, Waits 9, Name DMCSEGAL SSSCONN > Latch 12, Total wait 2483916 mics, Waits 102, Name DMCSEGAL SSSCONN > Latch 15, Total wait 166693 mics, Waits 102, Name DMCNMSPC XMCHASH > Latch 16, Total wait 70987 mics, Waits 55, Name CMXL1 BMXL1 > Latch 16, Total wait 35788780 mics, Waits 1586, Name BMXL2 RMCRMST > Latch 19, Total wait 225667 mics, Waits 10680, Name RLMLWRT > Latch 24, Total wait 225667 mics, Waits 53, Name LMXL1 > Latch 32, Total wait 28816 mics, Waits 45, Name DMSL2 RMCRMST > Latch 31, Total wait 28616 mics, Waits 53, Name LMXL1 > Latch 32, Total wait 28816 mics, Waits 45, Name SMCPHB > Address of latch for longest wait: 000000042C37E80 == Commit : Count 113, Avg elapsed 18574, Bytes 331798792, Forces 445, Avg elapsed 18574, Bytes 331798792, Forces 445, Avg elapsed 53051 == Pages : New 90409, old 95577 WTASVER 5</pre>	RLMARQC SRH1_L19
== Task token : 12-09-2010 17:30:33.73. 3431D3E0. 342E1AE0	SHARE 2011



SMF116 – Latching – The Good, the bad
and the SHARE
Technolog - Consectines - Areadis
<pre>== Latch : Max number 19, Max wait 35788780 mics > Latch 7, Total wait 161 mics, waits 2, Name DMCISTGC > Latch 11, Total wait 6473 mics, waits 9, Name DMCSEGAL SSSCONN > Latch 12, Total wait 2483916 mics, waits 102, Name DMCMMSPC XMCHASH > Latch 15, Total wait 166693 mics, waits 55, Name CMXL1 BMXL1 > Latch 16, Total wait 70987 mics, waits 78, Name BMXL2 BMXL1 > Latch 19, Total wait 35788780 mics, waits 1586, Name BMXL2 RMCRMST RLMARQC > Latch 21, Total wait 18040644 mics, waits 10680, Name RLMLWRT > Latch 24, Total wait 225667 mics, Waits 53, Name LMXL1 > Latch 31, Total wait 0 mics, Waits 45, Name DMXL1 > Latch 31, Total wait 0 mics, Waits 45, Name DPSLTCH > Latch 32, Total wait 28816 mics, Waits 45, Name SMCPHB > Address of latch for longest wait: 0000000042C37E80</pre>
 Latching is performed to serialize requests within the queue manager There is always latching going on
 But there are times when it gets a bit excessive, and needs to be investigated This is one of those times
SHARE 2011

== Latch	: Max number	19, Max wait	35788780 mi		Technology - Cannections - Results
<pre>> Latch 7, > Latch 11, > Latch 12, > Latch 15, > Latch 16, > Latch 16, > Latch 19, > Latch 21, > Latch 21, > Latch 31, > Latch 32,</pre>	Total wait Total wait Total wait Total wait Total wait	161 mics, Waits 6473 mics, Waits 2483916 mics, Waits 166693 mics, Waits 70987 mics, Waits 35788780 mics, Waits 28788780 mics, Waits 0 mics, Waits 28816 mics, Waits	9, N 102, N 55, N 78, N 1586, N 10680, N 53, N 2, N	ame DMCISTGC ame DMCSEGAL ame DMCNMSPC ame CMXL1 ame BMXL2 ame BMXL3 ame RLMLWRT ame LMXL1 ame DPSLTCH ame SMCPHB	
Latch types n MP1B has a Latch 21, the Using these r during this int	nber' is really the nay be used for r list of some of th second largest v numbers, and loc terval there were	gest wait: 000000004 e latch type that showed nultiple purposes e more typical entries, I wait count, is used whe oking at the JES messa numerous log switches ed I/O subsystem issue	the longest wa atch 19 is used n updating log b ge log for the qu and one of the	for serializatio puffers. Jeue manager bufferpools e	n to bufferpools indicates that xpanded



pen name LYN.LOGQ.Q11 ase name LYN.LOGQ.Q11 ueue indexed by NONE irst opened 12-09-2010 17:30:34.17 ast closed 12-09-2010 17:36:19.60	Object type:Local Queue Base type :Queue
age set ID 63, Buffer pool urrent opens 0, Total requests enerated messages: 0 ersistent messages: GETS 0, PUTS ut to waiting getter: PUT 0, PUTI UTS: Valid 4155, Max size 35712, P MQ call- N ET CT Open: 1 40 39 Close: 1 5 5 Put: 4155 10948 193	3 4157 4155, PUTIS 0 Min size 17856, Total bytes 139 MB Susp LOGW PSET Epages skip expi 0 9457 915 count Force-elapsed 318 2.852607
 This is the first queue used by the task Detailed information about the queue's u Pageset and bufferpool Number of valid requests Record size range, you an calculate th Total elapsed time and cpu time for the Maximum depth 	e average size

ueue indexed by NONE irst opened 12-09-2010 17:30:33.73 ast closed 12-09-2010 17:36:19.60 age set ID 4, Buffer pool 1 urrent opens 0, Total requests 8518 enerated messages: 0 ersistent messages: GETS 8200, PUTS 0, PUTI 0 ut to waiting getter: PUT 0, PUTI 0 tt to waiting getter: PUT 0, PUTI 0 ETS: Valid 8200, Max size 7750, Min size 7750, Total bytes 63550000 ETS: Dest-S 0, Dest-G 8315, Brow-S 0, Brow-G 0, Su cessful destructiv ime on queue : Max 26.319674, Min 0.011420, Avg 4294967269.002278 MQ call - N ET CT Susp LOGW PSET Epages skip expire Open : 1 71 36 36 Close : 1 7 7 0								22 73	NUTE	ueue muexeu by i
age set ID 4, Buffer pool 1 urrent opens 0, Total requests 8518 enerated messages: 0 reristent messages: 0 ut to waiting getter: PUT 0, PUT1 Ut to waiting getter: PUT 0, PUT1 ETS: Valid 8200, Max size 7750, Min size FTS: Dest-S 0, Dest-6 8515, Brow-S 0, Brow-G ime on queue : Max 26.319674, Min 0.011420, Avg 4294967269.002278 WQ call- N ET CT Susp LOGW PSET Epages skip expire open 1 71 36 36 1000										
enerated messages : 0 ersistent messages: GETS 8200, PUTS 0, PUT1s 0 ut to waiting getter: PUT 0, PUT1 0 ETS: Valid 8200, Max size 7750, Min size 7750, Total bytes 63550000 ETS: Dest-S 0, Dest-G 8515, Brow-S 0, Brow-G 0, Su cessful destructiv ime on queue : Max 26.319674, Min 0.011420, Avg 4294967269.002278 MQ call- N ET CT Susp LOGW PSET Epages skip expire open : 1 71 36 36							1	ffer pool	4, Buff	age set ID
ut to waiting getter: PUT 0, PUT1 0 ETS: Valid 8200, Max size 7750, Min size 7750, Total bytes 63550000 ETS: Dest-S 0, Dest-G 8515, Brow-S 0, Brow-G 0, Su cessful destructiv ime on queue : Max 26.319674, Min 0.011420, Avg 4294967269.002278 MQ call- N ET CT Susp LOGW PSET Epages skip expire open : 1 71 36 36								0	s: 0	enerated message
ETs: valid 8200, Max size 7750, Min size 7750, Total bytes 63550000 ETs: Dest-S 0, Dest-G 8515, Brow-S 0, Brow-G 0, Su cessful destructiv ime on queue : Max 26.319674, Min 0.011420, Avg 4294967269.002278 MQ call- N ET CT Susp LOGW PSET Epages skip expire open : 1 71 36 36					0			8200, PUTS	es: GETS	ersistent messag
ETS: Dest-S 0, Dest-G 8515, Brow-S 0, Brow-G 0, Su cessful destructiv ime on queue : Max 26.319674, Min 0.011420, Avg 4294967269.002278 MQ call- N ET CT Susp LOGW PSET Epages skip expire open : 1 71 36 36			0000	6355	Total hytes		Min size	74 7750	R200 Max size	ut to waiting ge Ets: Valid
MQ call- N ET CT Susp LOGW PSET Epages skip expire Open : 1 71 36 36	uctive 820	destructi						8515, 1	0, Dest-G	
Open : 1 71 36 36		13	53							
		expire	skip	ages	PSET Ep	LOGW				
Get : 8515 1608 47 1137 0 0 198 0 0		0	0	198	0	0				
Inquire: 1 12 9		55	22	2010	85				1 12	Inquire:
Logging: Total-count Total-elapsed Force-count Force-elapsed										
MQGET 2 0.002355 2 0.002355 aximum depth encountered 299						0.002355	2			
								299	ouncered	aximum depth enco

