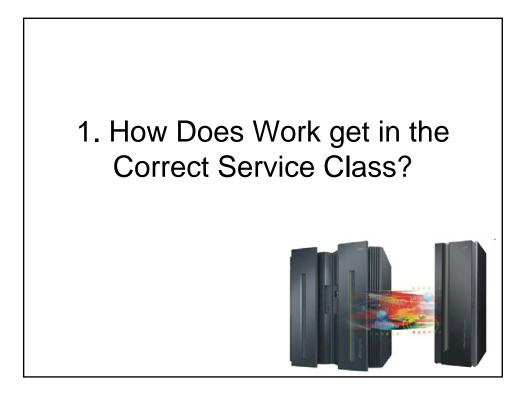
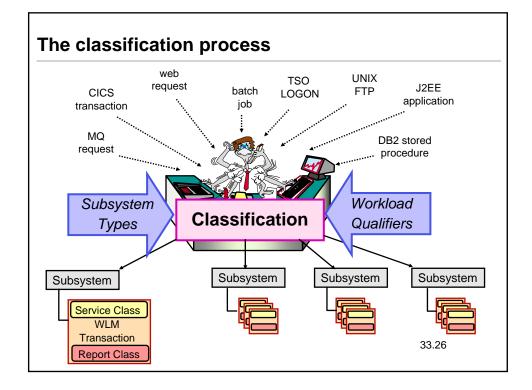
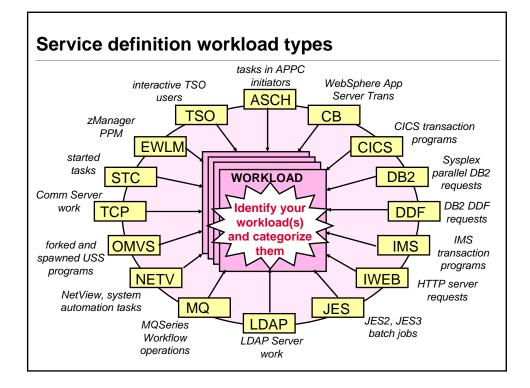


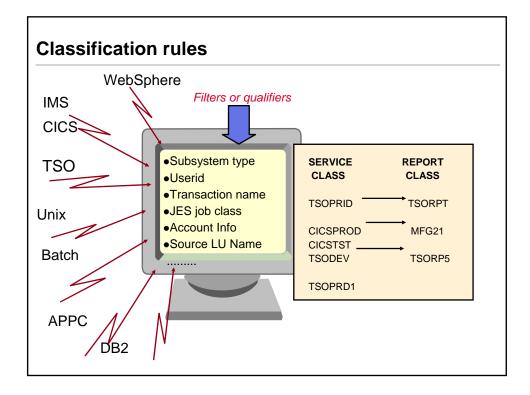
WLM Top 10 Things That Confuse You the Most!

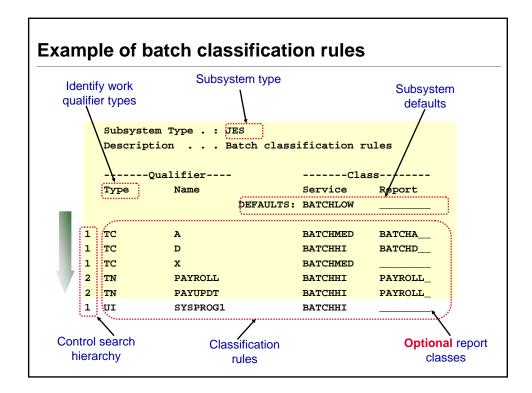
- 1. How does work get in the correct Service Class?
- 2. What is the EWLM subsystem all about?
- 3. What is the Right Number of Service Classes?
- 4. How Does WLM Manage Work?
- 5. How is Velocity calculated?
- 6. What are Enclaves?
- 7. What is Enclave Server Management?
- 8. What is Blocked Workload support?
- 9. How do the new Discretionary controls work?
- 10. What is the difference between IRD and Hiperdispatch?

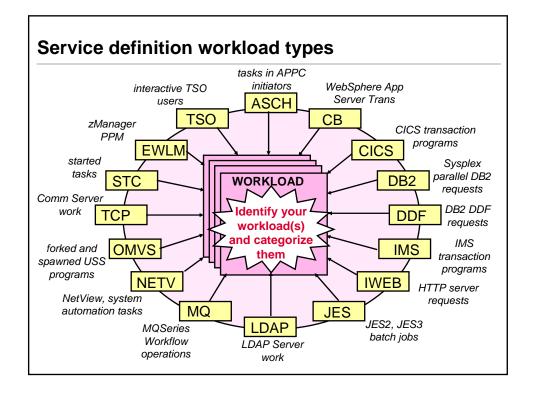


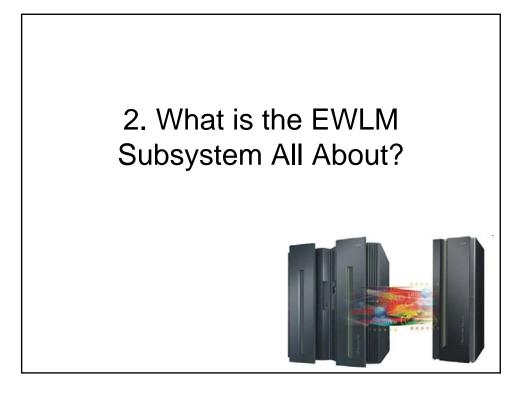


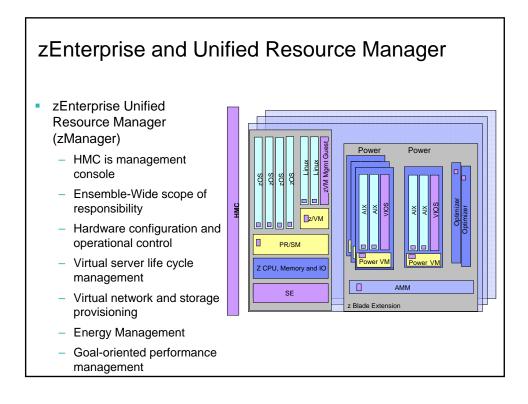


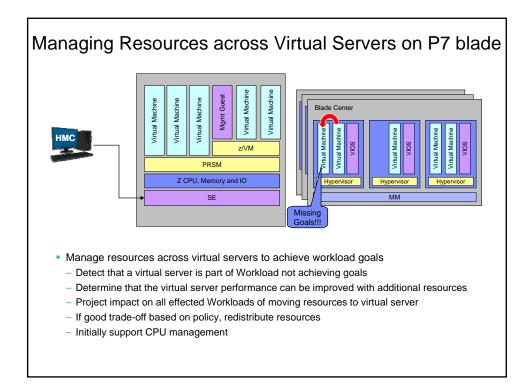


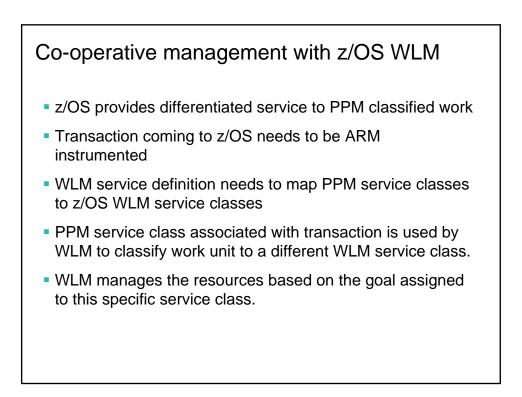




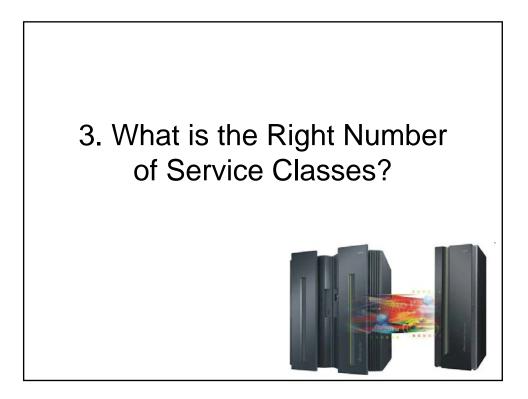


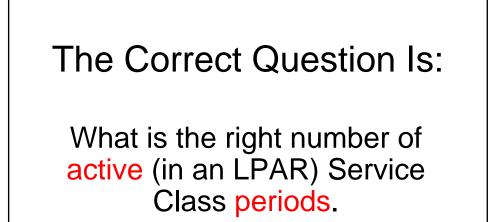




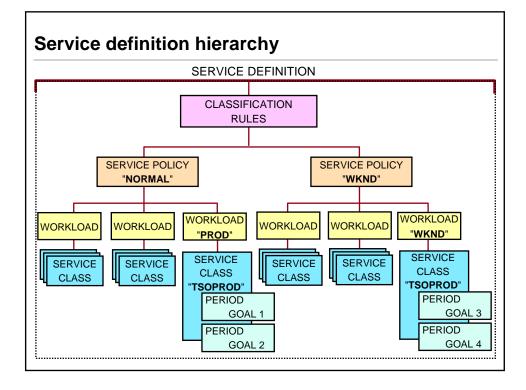


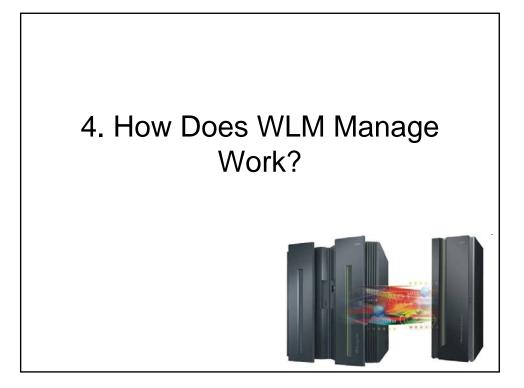
WLM supp	ort for Unified R	Resource Ma	anager	
 z/OS V1R1 zManager 	2 introduces WLM fund	ctionality level LE	VEL025 to s	upport
0	Service Classes can be specifying classification			nd report
	alifier type ESC (EWLM er service classes with \			correlate
 T	Qualifier	-	Class	
Action Typ	be Name Star	t DEFAULTS:	Service	Report
		DELINCETON		
		DEL HOETS.		
2 E	SC System 9 ESC GoldServ	15		
2	SC System 9	22	SERVCLS3	
2 E	SC System 9 ESC GoldServ	15	SERVCLS3	
2 E	SC System 9 ESC GoldServ	15	SERVCLS3	
2 E	SC System 9 ESC GoldServ	15	SERVCL S3	

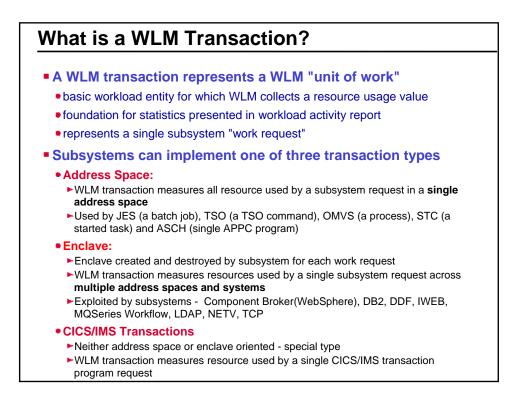


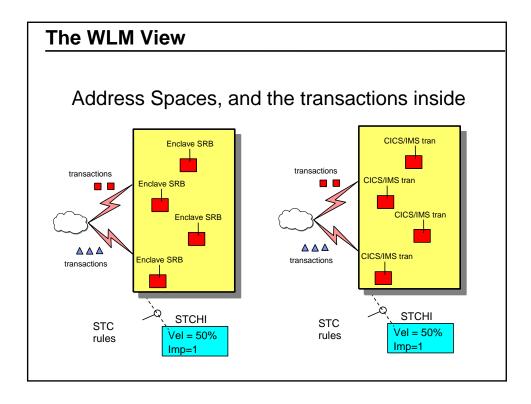


(Answer: 20-35)

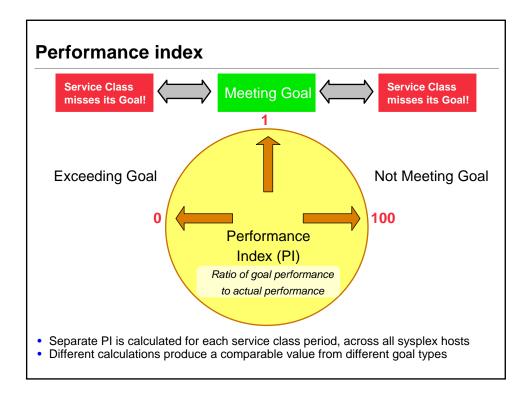


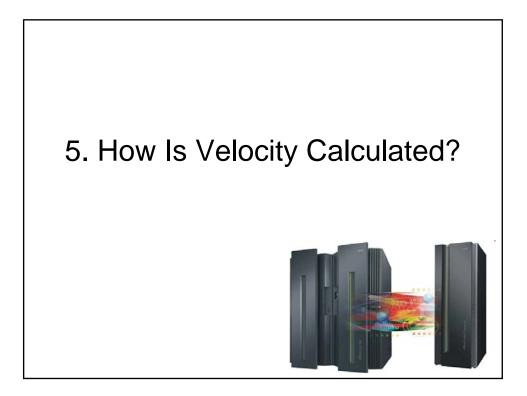


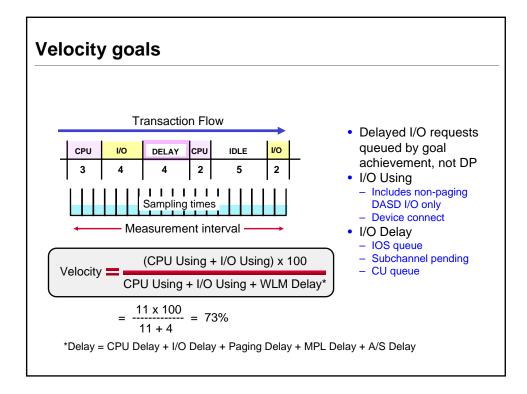




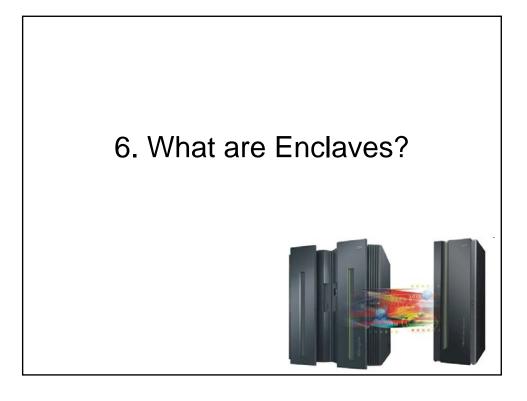
SYSTEM	 Importance is overload 	e is relevant v ded	when system				
SYSSTC		WLM uses it to decide which					
1 - HIGHEST			st important to				
2 – HIGH	satisfy	importance d					
3 - MED		lltiple periods	ecieases				
4 - LOW	PERIOD 1	PERIOD 2	PERIOD 3				
	PERIOD 1						
5 - LOWEST							
5 - LOWEST	DUR=800	DUR=3K	Discretionary				
			Discretionary				

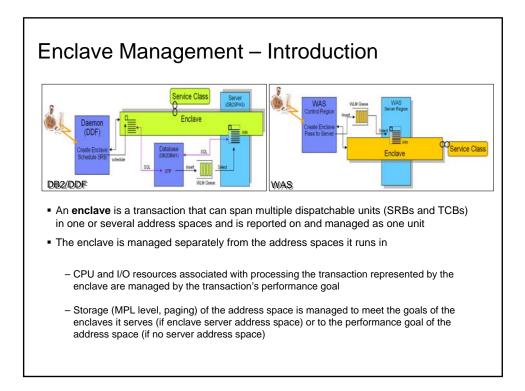


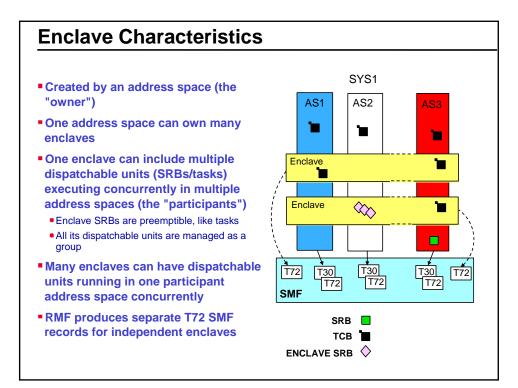


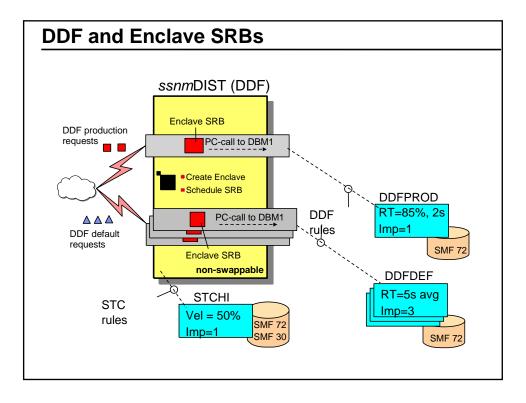


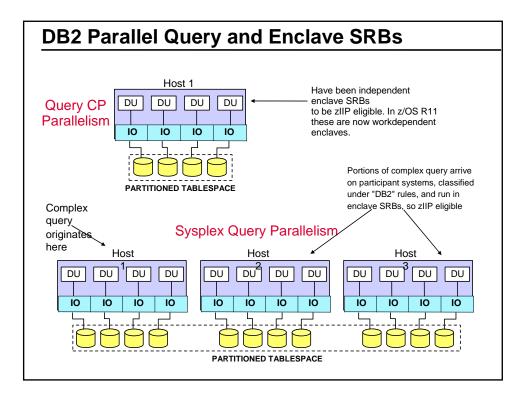
			_									~			
espo	วทร	seli	me D	ustr	ībι	Itioi	n ta	Dr	Vel	OCI	tV	Goa	als	5	
											· /			-	
	NG	L Enna	ncemen	τ											
REPORT BY	: POLI	CY=POLICY01	WORKLOAD=STC	SERVICE C	LASS=S =NONE	TCDEF RES	OURCE (ROUP=	NONE PER	RIOD=1 IM	PORTAN	VCE=5			
-TRANSACT	IONS-	TRANS-TIME	HHH.MM.SS.TTT	DASD	I/0	SERVI	CE	SERV:	ICE TIME	APPL	\$	PROMO	ED	STC	ORAGE
		ACTUAL	16.629		89.0		24944	CPU	1.453	CP	0.22		0.000	AVG	1143.34
		EXECUTION	15.724		0.2		49332	SRB		AAPCP	0.00		0.000		32056.00
ENDED	2	QUEUED	904				14840	RCT		IIPCP	0.00		0.000	SHARED	200.56
END/S #SWAPS	0.00	R/S AFFIN INELIGIBLE	0		0.0	SRB 1 TOT	23890 1313K	IIT	0.197	AAP	0.00	LCK	0.000		IN RATES-
#SWAPS EXCTD	100	CONVERSION	0		0.0	/SEC	1313K 1459	AAP		IIP	0.00			-PAGE-I SINGLE	LN RATES- 0.0
AVG ENC	0.00	STD DEV	0	1000	0.0	/ 020	1155	IIP	0.000		0.00			BLOCK	0.0
REM ENC	0.00					ABSRPTN	52							SHARED	0.0
MS ENC	0.00					TRX SERV	52							HSP	0.0
SYSTEM *ALL	N			CPU AAP 1								CRY CNT 0.0 0.0	38	IDL CRY	CNT QUI
SYSD	14			0.0 0.0 0								0.0 0.0	40	60 0.0	
SYSE		88.6	5 0.2 17.0	0.0 0.0 0	0.0 0.3	0.0						0.0 0.0	35	64 0.0	0.0 0.0
			-		RESPON	ISE TIME D	ISTRIBU	JTIONS							
			14.59.998									22.123			
		-NUMBER OF CUM TOTAL	7 TRANSACTIONS IN BUCKE			IT				NUMBER O		ISACTIONS IN BUCKE		PERCE	ENT IN BUCKET
< 00.00.			1N BOCKE 58		4.2	94.2		0.00.00		581		IN BOCKE		94.2	94.2
<= 00.00.					4.7	0.5		0.00.00		584		50		94.7	0.5
<= 00.00.	00.280	586		2 9	5.0	0.3	<= (0.00.0	0.420	586		:	2	95.0	0.3
<= 00.00.	00.320	586		0 9	95.0	0.0	<= (0.00.0	0.480	586)	95.0	0.0
<= 00.00.		588			95.3	0.3		0.00.00		588			2	95.3	0.3
<= 00.00.		591			95.8	0.5		0.00.0		591				95.8	0.5
<= 00.00.		592			95.9	0.2		0.00.0		592				95.9	0.2
<= 00.00.		592			95.9	0.0		0.00.0		592				95.9	0.0
<= 00.00.		593 596			96.1 96.6	0.2		0.00.0		593 596				96.1 96.6	0.2
<= 00.00.		596			16.6 16.6	0.5		0.00.0		596				96.6	0.5
		590			7.1	0.5		0.00.0		590				90.0	0.0
<= 00.00.															
<= 00.00. <= 00.00.		604		5 9	7.9	0.8	<= (0.00.0	2.400	604				97.9	0.8

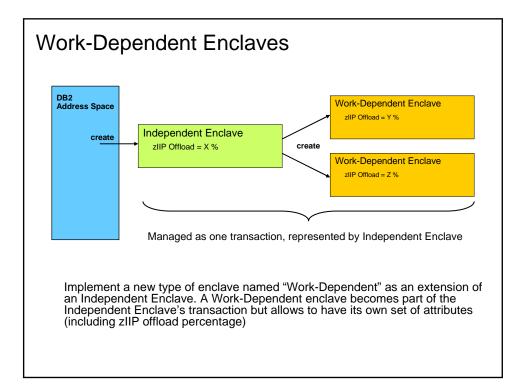


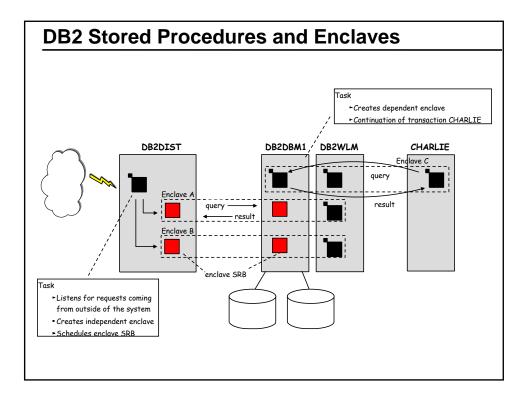


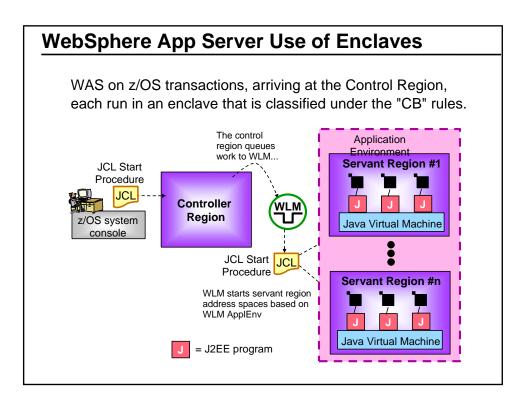




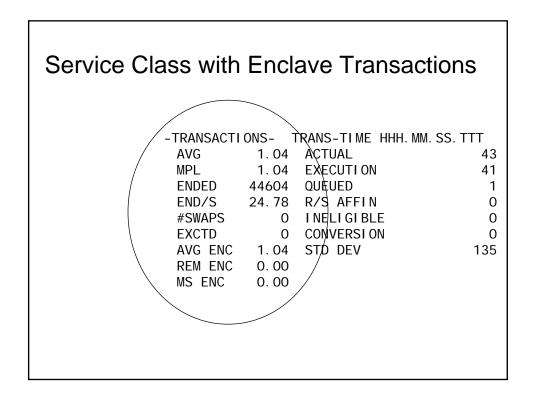


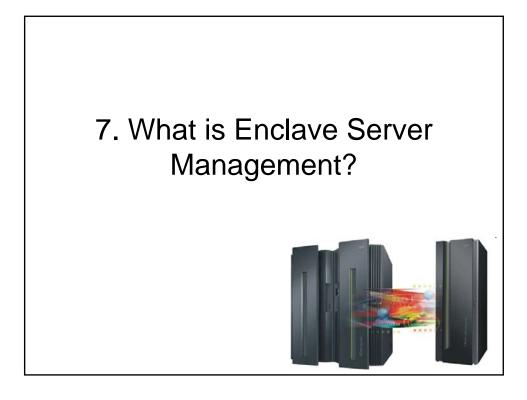


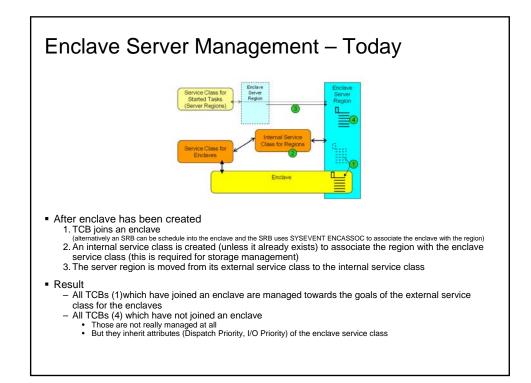


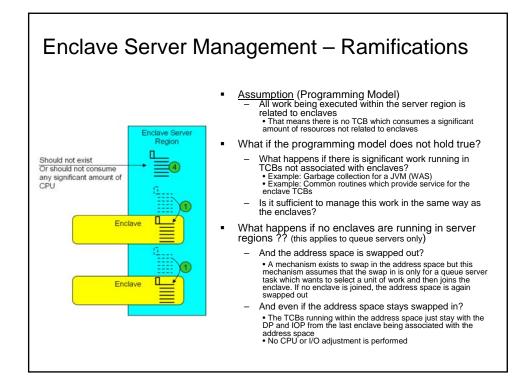


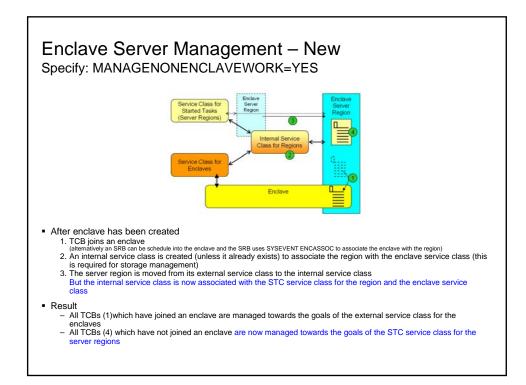
Service Class	with Enclave Tra	ansactions
REPORT BY: POLICY=WLMPOL01 WORKLOAD=WAS	SERVICE CLASS=WI180%01 RESOURCE GROUP=*NONE CRITICAI =NONE	PERIOD=1 IMPORTANCE=1
MPL 1.04 EXECUTI ON 41 ENDED 44604 QUEUED 1 END/S 24.78 R/S AFFIN 0	DASD 1/0SERVICE SERVICE TIMEAPP SSCHRT 0.0 10C 0 CPU 225,586 CP RESP 0.0 CPU 62663K SRB 0.000 AAPCP CONN 0.0 MSO 0 RCT 0.000 11PCP DISC 0.0 SRB 0 11T 0.000 0PEND 0.0 TOT 62663K HST 0.000 AAP	PL PROMOTED STORAGE 9.36 BLK 0.000 AVG 0.00 0.13 END 0.000 TOTAL 0.00 0.00 CRM 0.000 SHARED 0.00 3.18 -PAGE-IN RATES- 0.00 SHARED 0.0 BLOCK 0.0 HARED 0.0 SHARED 0.0 SHARED 0.0
SUB P TIME ACTIVE READY IDLE TYPE (%) SUB APPL TY CB BTE 0.0 0.0 0.0 0.0 0.0		STATE
	EXEC USING% EXEC DELAYS % U AAP IIP I/O TOT CPU AAP Q MPI	USING% DELAY % % CRY CNT UNK IDL CRY CNT QUI
JCO 100 78.7 0.5 0.9 1	1 2.5 0.0 0.0 3.7 2.3 1.2 0.1	0.00.0830.00.00.00.0

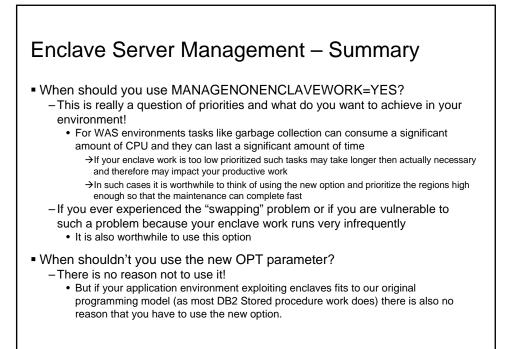


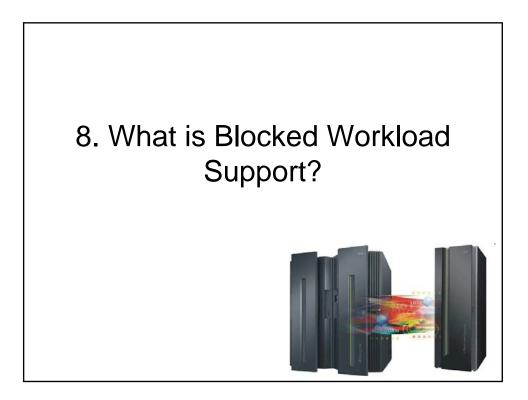


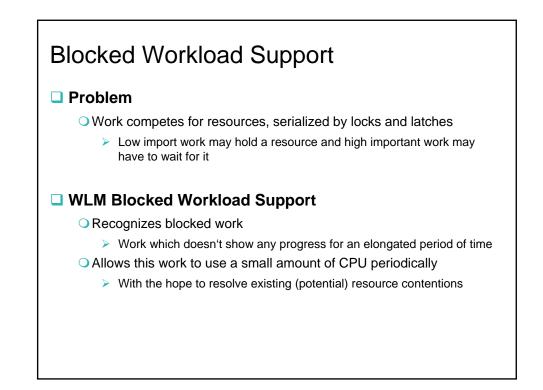




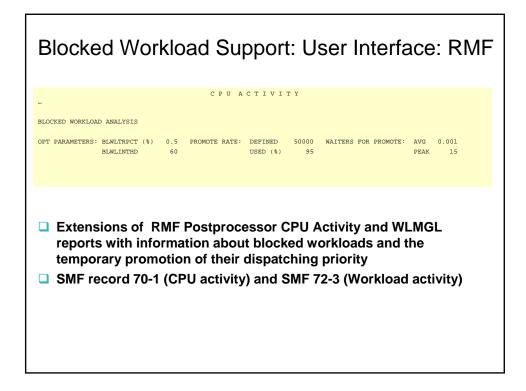








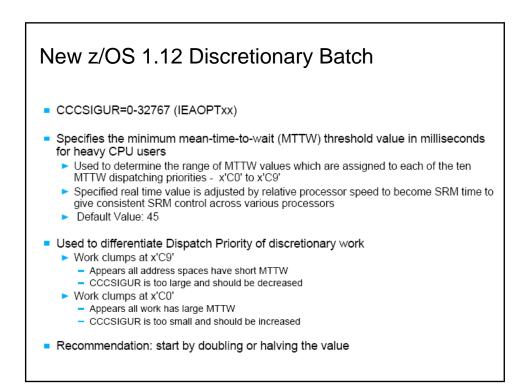
BLWLTRPCT	Percentage of the CPU capacity of the LPAR to be used for promotion
	Specified in units of 0.1%
	Default is 5 (=0.5%)
	Maximum is 200 (=20%)
	Would only be spent when enough units of work exist which need promotion
BLWLINTHD	Specifies threshold time interval for which a blocked address space or enclave must wait before being considered for promotion.
	□Minimum is 5 seconds. Maximum is 65535 seconds.
	Default is 20 seconds.

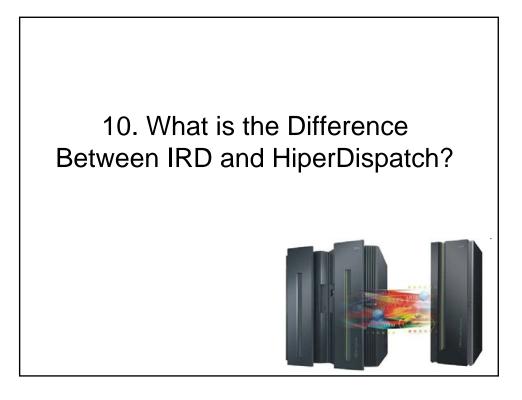


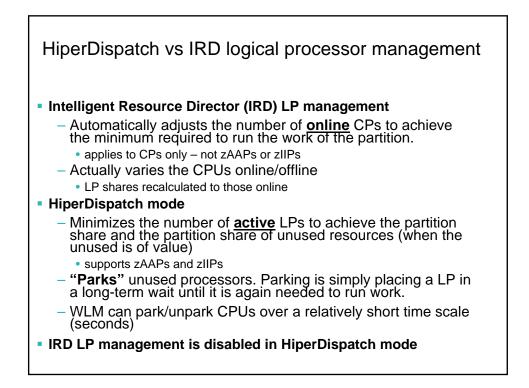


New z/OS 1.12 Discretionary Batch Improvements

- TIMESLICES=<u>1</u>-255 (IEAOPTxx)
- Specifies number of timeslices a CPU-intensive address space or enclave with a discretionary goal should be given before a dispatchable unit of equal importance is dispatched
- Increasing this parameter might:
 - Increase processor delay for some CPU-intensive work
 - Decrease the number of context switches between equal priority work and therefore increase the throughput of the system
- Parameter only affects discretionary work that is CPU-intensive as determined by significant mean time to wait (MTTW)
 - As controlled by the CCCSIGUR parameter
- Default: 1







WLM Top 10 Things You Should Now Understand!

- 1. How does work get in the correct Service Class?
- 2. What is the EWLM subsystem all about?
- 3. What is the Right Number of Service Classes?
- 4. How Does WLM Manage Work?
- 5. How is Velocity calculated?
- 6. What are Enclaves?
- 7. What is Enclave Server Management?
- 8. What is Blocked Workload support?
- 9. How do the new Discretionary controls work?
- 10. What is the difference between IRD and Hiperdispatch?



- Manager (WLM)
- ES545
- -4.5 Days, Hands-on Lab Exercises
- Advanced z/OS Performance: WLM, Sysplex, Unix Services, Web
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 - -4.5 Days
- ibm.com/training