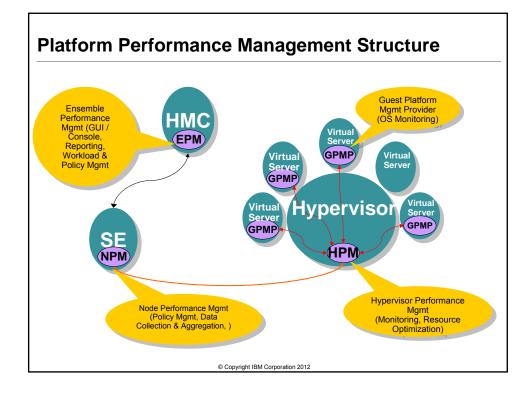
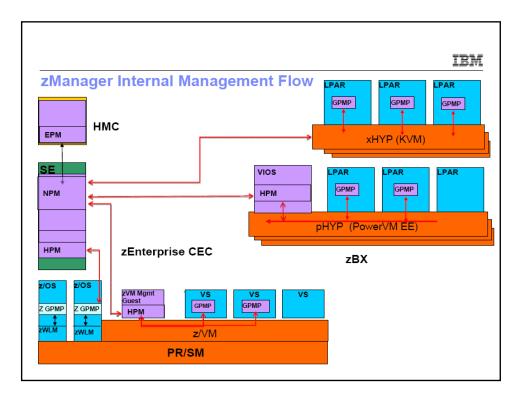
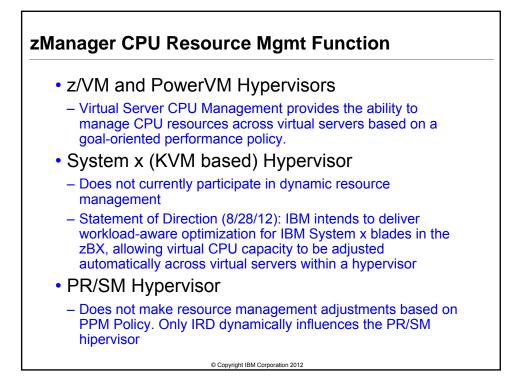
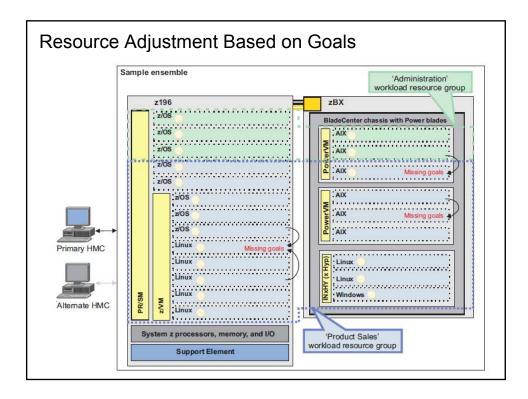


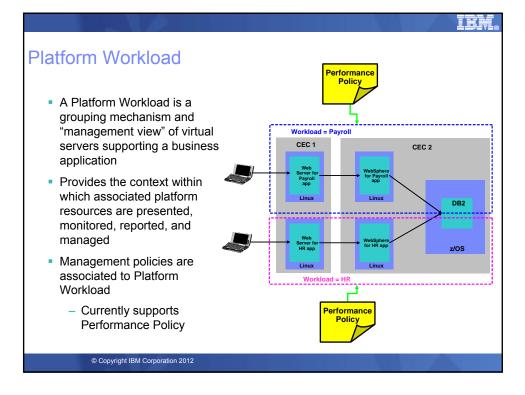
 Hypervisors Monitors goal defined in performance policy and performs dynamic resource mgmt (z/VM and Power VM) to achieve 	
 performance goal where applicable Collects virtual server statistics from hypervisor and guest platform management providers. Pushes aggregated metrics to SE 	HMC ZOR ZOR ZOR ZOR ZOR ZOR ZOR ZOR
 Virtual Servers Optional Guest Platform Management Provider software deployed in Virtual Server 	PR/SM Z CPU, Memory and IO
 Collects monitoring data from Operating system and ARM instrumented applications and pushes to hypervisors. 	SE Z Blade Extension
© Copyright IBM Corporation 2012	

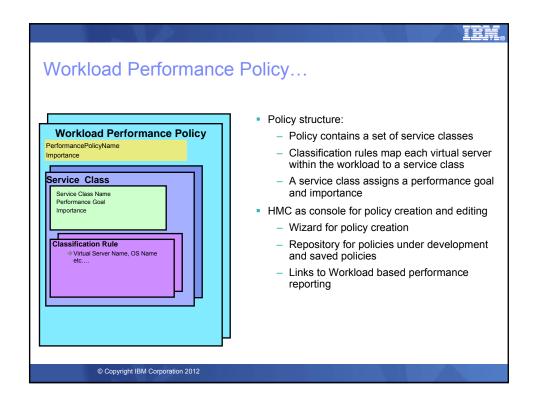


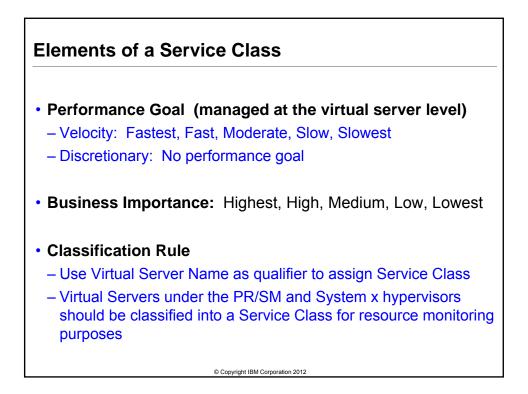


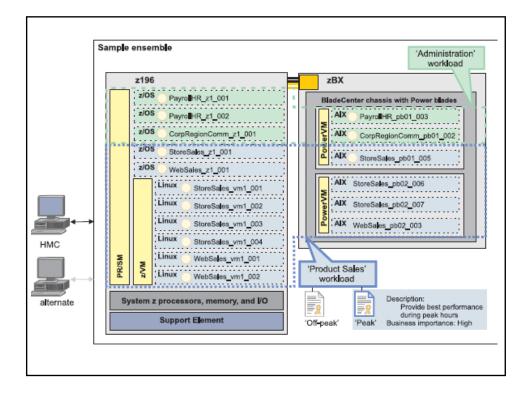


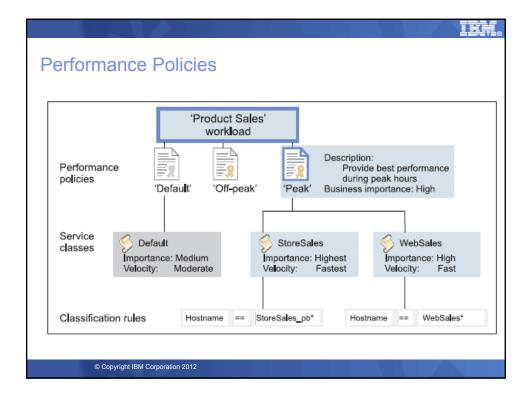


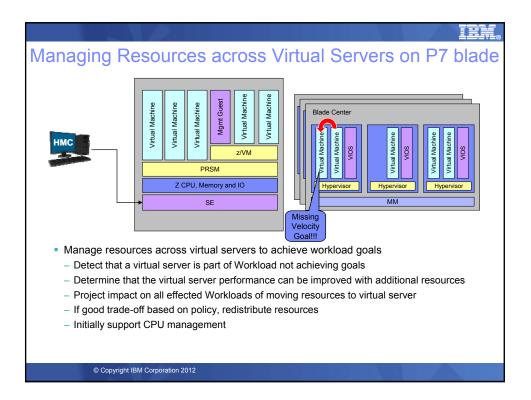


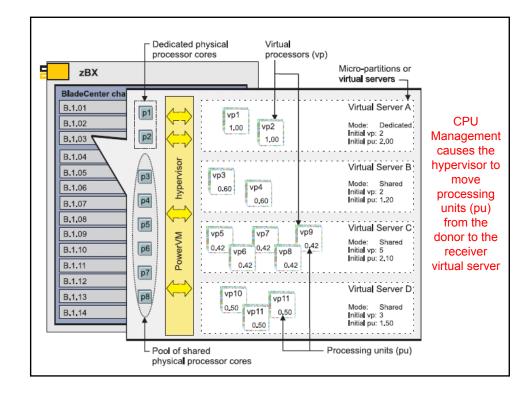


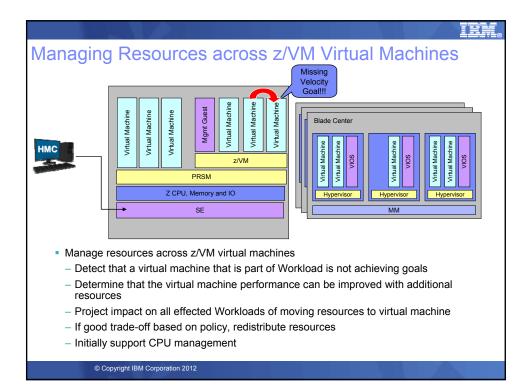


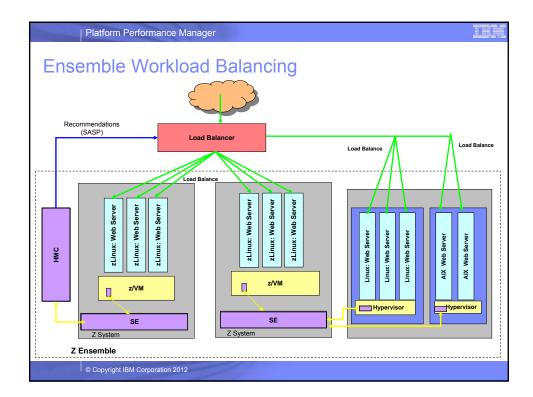


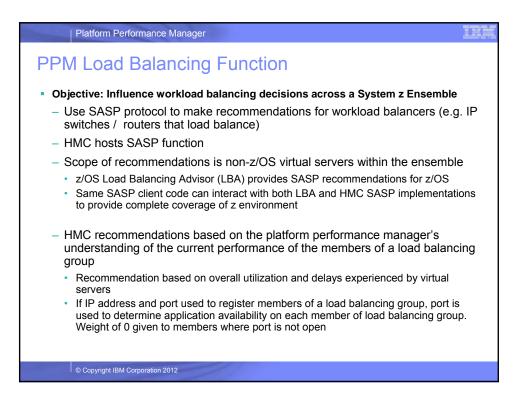


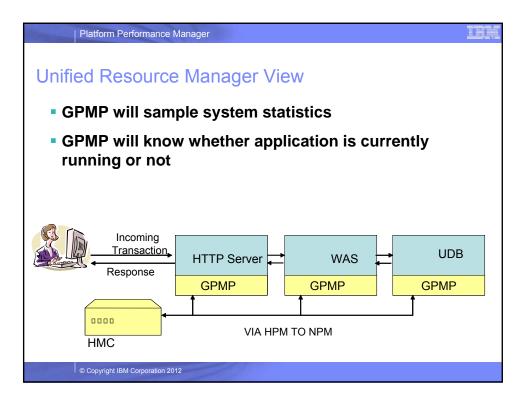


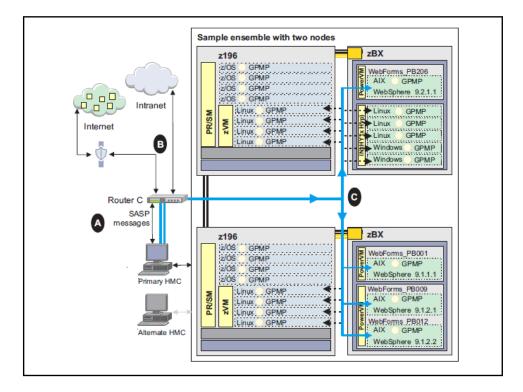


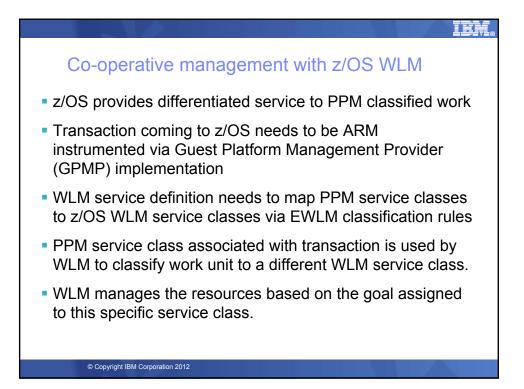


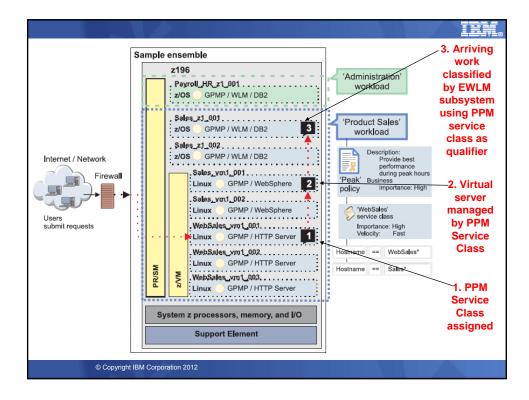


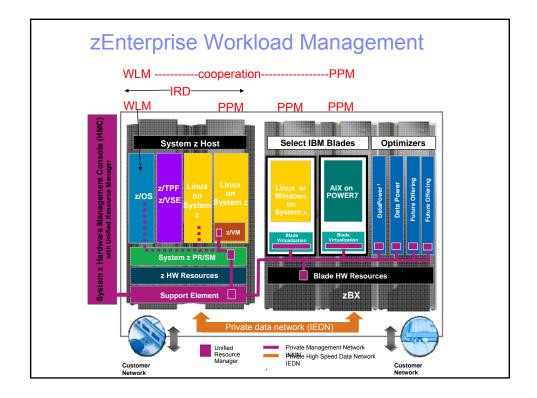


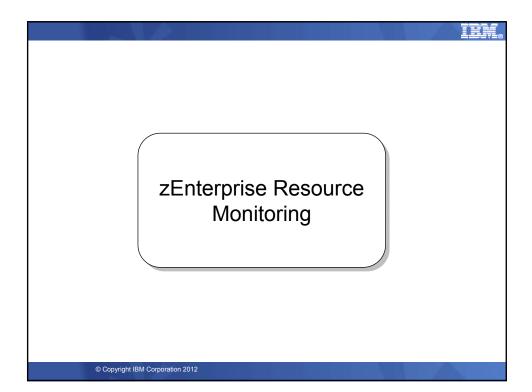


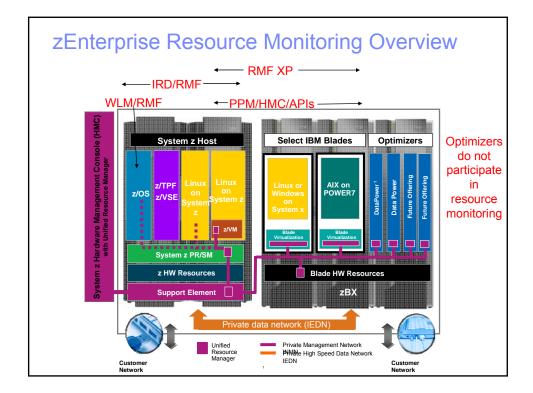


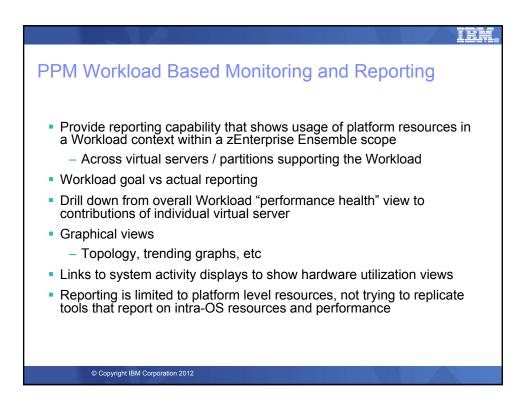


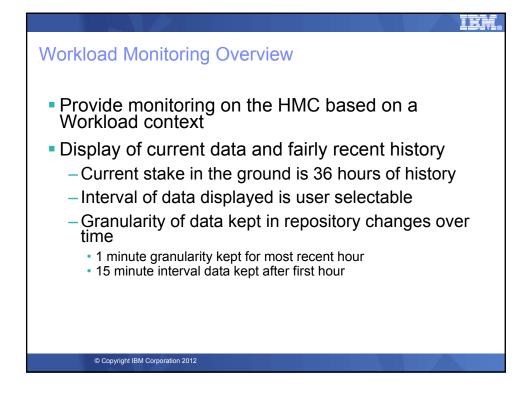


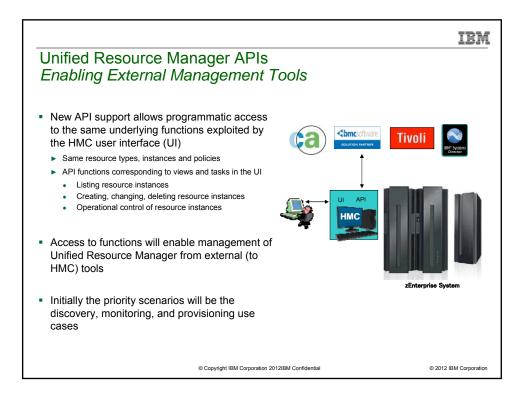


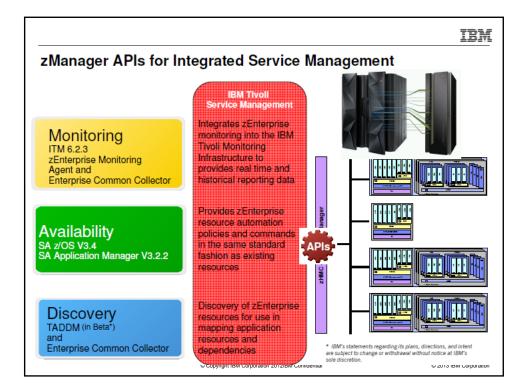


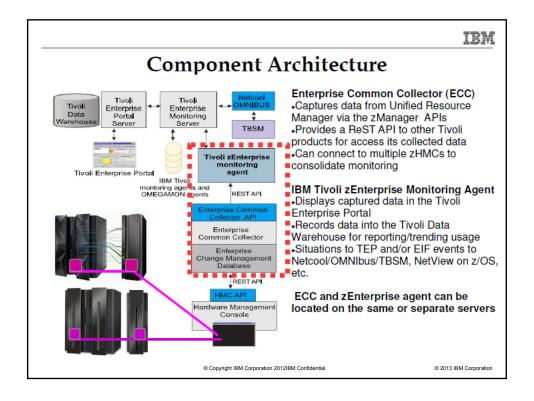


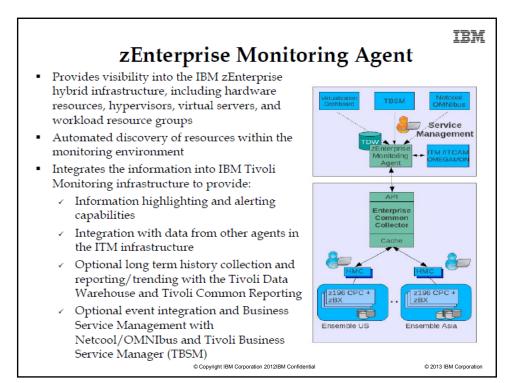


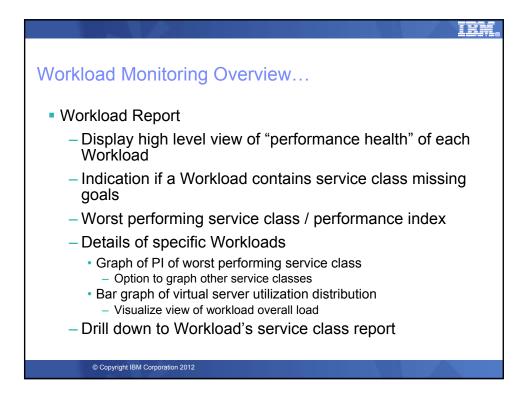


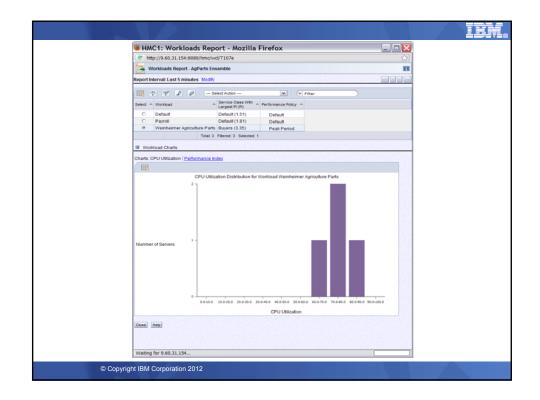




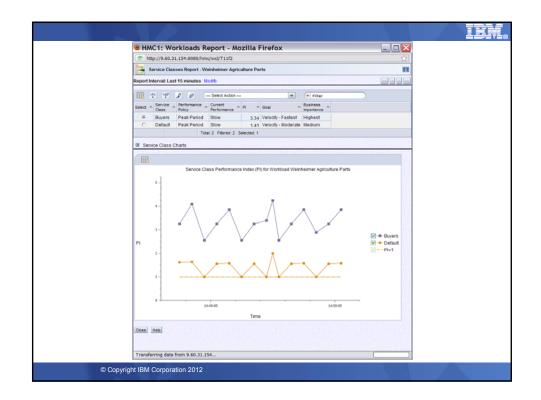


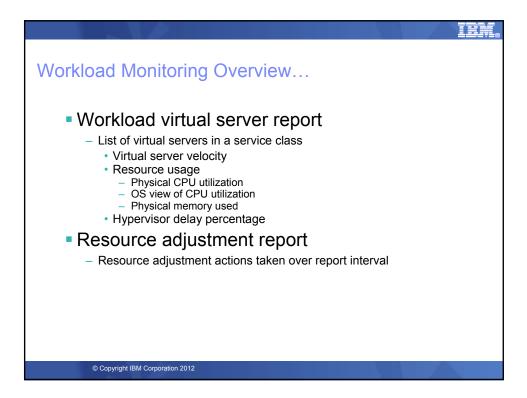






Workload Monitoring Overview
 Service Class Report
 High-level view of each service class in Workload's performance policy
 Goal and importance Actual performance
 Indication if monitoring event is established for service class and event is triggered
Service class details Graph of service class performance index
 Drill down to virtual server report for Workload Event Monitoring
 Initial support:
 Leverage HMC event monitoring Send e-mail when selected metrics reach threshold Service Class PI threshold Virtual Server CPU Utilization threshold
@ Convertety IDM Comparation 2012
© Copyright IBM Corporation 2012

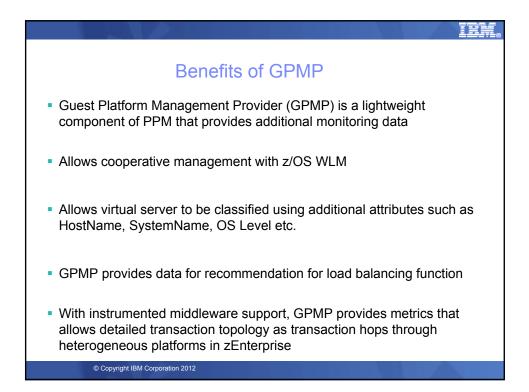


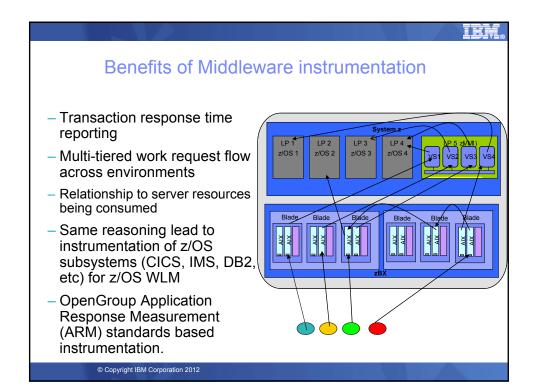




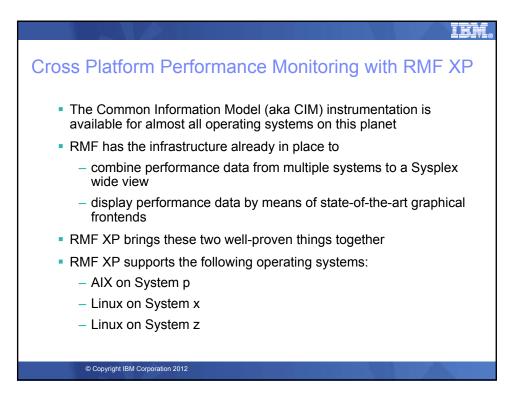
http://9.60.31.15		irefox					
map 11 9.00 . 5 E. E. S	54:8080/hmc/wd/T14d0						
📑 Virtual Ser	ver Resource Adjustments F	Report - Buyer 1					1
eport Interval:	Last 15 minutes Modify						
uccessful Adjust	ments						
田 平 字 .	I P Select Action	¥ (* Fiter					
Receiver /irtual Servers	Receiver	Receiver Service Class	Receiver Processing Units ~ After (Before)	Donor Virtual Servers	Donor Workload	Donor Processing Units After (Before)	Time
Buyer 1 Buyer 1	Weinheimer Agriculture Parts Weinheimer Agriculture Parts Total: 2		0.52 (0.50) 0.52 (0.50)	Payroll App Vendor 1	Payroll Weinheimer Agriculture Parts	0.49 (0.50) 0.49 (0.50)	Jul 11, 2010 4:13:18 F Jul 11, 2010 4:13:18 F
ailed Adjustment	ts						
	P Select Action	Y Filter					
Receiver /irtual Servers	Receiver Receiver Service Class	Failure - Tim	ie o				
	Total: 0 Filtered: 0						
Close Help							
one							

			וסס	ΜНу	mor	vic	or	Do	nort					
			FFI	viiij	hei	V13		NC	pon					
R90HMC1: Vir	tual Servers Repo	rt - Mozilla Firefo	x										_ [
	tps://9.12.16.241/hm													1
Processor of	ount:	8	Total C	PU consumptio	on: 4.6%									(
Total memo	y allocated for L	PARs: 32,768	MB Total m	emory:	65,536 N	1B								
Total proces	sor entitlement.	6.84												
irtual Servers														
田里	9 9 9 1	Select Action	1 ¥	liber										
/irtual _	Processor Management ~ Status	Processor		Virtual Processor ^ Count	Consumed		accina	Allocated Memory (MB)	LPAR Capped	_ Uncapped Weight	Current	Defined Entitled ^ Capacity	Min Entitled Capacity	~ =
						Delay				-				
90f1b207v2 90f1b207v3		None		2		01	0.0		96 – 96 –	12				10 20
90f1b207v3		None		2		.02	0.0			12				10
90f1b207v5		None		2		.01	0.0			12				10
			Total: 8 Fi	tered: 8										
uccessful Ad	ivetmonte													
uccessiur Au		Select Action	1V	liter										
Receiver /irtual Server	s ^ Receiver Workload	^	Receiver Service Clas	5	Receiver Processin After (Befo		Donor Virtual S	Servers ^	Donor Workload	Donor Processing L After (Before			^	
90f1b207v7	WkidForMo	derateMedium	SrvClsForMo	derateMedium	0.45 (0.25	5)	r90f1b2	07v2	Default	1.72 (1.80)	Sep 2	9, 2010 11:3	3:19 AM	
90f1b207v7		derateMedium					r90f1b2	07v4	Default	1.35 (1.39)	Sep 2	9, 2010 11:3	3:19 AM	
90f1b207v7		derateMedium					r90f1b2		Default	1.36 (1.40)		9, 2010 11:3		
90f1b207v7	WkldForMo	derateMedium	SrvClsForMo Total: 4 Fil		1 0.45 (0.25)	r90f1b2	07v8	Default	1.36 (1.40)	Sep 2	9, 2010 11:3	3:19 AM	
			Total 4 Fi	tered, 4										
ailed Adjustr														
田里	980	Select Action	1	liter										
ne				11										12





Details of the/CHP/offastestighed: Deformance point: Performance point:	Ontool (marrance park vorg), Fastel 201 Performance park vorg), Performance biggest Performance biggest Pe	Woldsder APPLCATOR, SERVER Petromarce pois, P	Report Interval: Starting 9/28/10 8:55:0	1 AM for 1	5 minutes (9/28/10 9	10:01 AM) M	safy						
Plane 201 Performance Moderate Participant Select Action Failed Exposed Participant Descender Failed Exposed Participant Descender Failed Descender Descender <thdescender< th=""> <thdescender< th=""> De</thdescender<></thdescender<>	201 Performance Moderate Image: Control of the state of	Pic 2.01 Performance Moderate Name Tamaschon Tamas	Workload WildForFastestHighes				ghest						
Hame Hog best Figure (%) Concept (%) Descendul (%) Panel (%)	Him Hoge Droug Disconstit Failed Broughed Higgt Disconstit Broughed III Weddjower APPLICATION, SERVER Brouge Disconstit Failed Broughed Failed Brough	Hame Home Doce Home Enclose Finish Tesped Doce Exceeded Finish * Wedspace APPLICATOR, ESTVER 0 stort11 0	Performance goal: Velocity - Fastest Pt 2.01										
Name No. Charge	Here Hoge Hoge Descension Encland Hoge	Number Once Discretion Filted Proped Discretion Filted Proped Discretion Discretion Proped Discretion Proped Discretion Proped Discretion Proped Discretion Discretion <thdiscretion< th=""> Discretion <thdiscretion<< td=""><td>TT Z P - Select A</td><td>tion w</td><td>(= Filter</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thdiscretion<<></thdiscretion<>	TT Z P - Select A	tion w	(= Filter								
Name Name Transaction Transac	Mill Number Transactions <	Number Number Number Transactions Transactions <thttereexting< th=""> <thtere< td=""><td></td><td>Hop</td><td>Group</td><td>Successful</td><td>Failed</td><td>fitopped</td><td>Infrant</td><td>Queue</td><td>Execution</td><td>Avecage #</td><td></td></thtere<></thttereexting<>		Hop	Group	Successful	Failed	fitopped	Infrant	Queue	Execution	Avecage #	
# Vediphere APFLCATION_SERVER 0 g1s011 0	a "Modelphera APPLICATION_SERVICES" 0 01910111 0 0 0 0 0 0 0000 0000 0000	Image: sevent		Number	Name				Transactions	Time (s)	Time (s)	Response F	1
B OP OP O	Webscher APPL/CATCH_US_ERFVCH 0 servert 0	w Wodghere APPLCATCH_GERVIER 0 servert 0	WebSphere APPLICATION_SERVE	R	0 g1sr011	6						0.000	
# ISM Webserving Plagn 0 EML_FTTP_Server 31 (19) 0 0 11 0.010 0.000 0.157 # W01 1 0.010 1 0.000 0.177 0 0 0.101 0.000 0.157 # W01 1 0.010 0.000<	III MU Mouseweig Flagen 0.84_UTTP_denve 31,146 0 0 11 0.001 0.002 0.157 Note Specific RAPS 1.940/1 2.3327 0 17 0.000 0.001 0.000 0.001 0.000 0.001 0.000 <td< td=""><td>a Md Webership Page 0.884_UTTP_Genere 31,105 0 0 11 0.010 0.000 0.197 a Hop 1 1001 0.000 0.197 33,307 0 0 7 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0</td><td>WebSphere APPLICATION_SERVE</td><td>R</td><td>0 server1</td><td></td><td>0</td><td>0 0</td><td></td><td>0 0 0 0 0</td><td>0.000</td><td>0.000</td><td></td></td<>	a Md Webership Page 0.884_UTTP_Genere 31,105 0 0 11 0.010 0.000 0.197 a Hop 1 1001 0.000 0.197 33,307 0 0 7 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0197 0.000 0.0	WebSphere APPLICATION_SERVE	R	0 server1		0	0 0		0 0 0 0 0	0.000	0.000	
IP No 1 33.307 0 0 7 0.000 0.019 0.003 If WorkSpeez APPLICATION_SERVER 1 ptro12 0 0 0 0 0.000 <t< td=""><td>Med 1 Approx 2ATORI, SERVER 1 storig 33.367 0 0 7 0000 0.019 0.033 indications Approx 2ATORI, SERVER 1 storig 33.367 0 0 7 0.000 0.019 0.033 indications Approx 2ATORI, SERVER 1 storig 33.367 0 0 7 0.000 0.019 0.033 indications Approx 2ATORI, SERVER 1 storig 2.454.512 0 2 0.000 0.000 0.000 0.000 indications 2.454.512 0 2 0.000 0.000 0.000 0.000 0.000 0.000 indications 2.454.512 0 2 0.000</td><td>If the 1 explored APPLA/TOOL SERVER 1 exerv(2) 33.307 0 0 7 0.000 0.019 0.033 If the 2 33.307 0 0 7 0.000 0.019 0.033 If the 2 33.307 0 0 7 0.000 0.019 0.033 If the 2 33.307 0 0 7 0.000 0.019 0.033 If the 2 33.307 0 0 7 0.000 0.019 0.033 If the 2 2 0.000 0.019 0.019 0.033 0.019 0.033 If the 2 2 0.000 0.019 0.02 0.000 0.000 0.000 If the 2 2 0.000 0.000 0.000 0.000 0.000 0.000 If the 2 1.0113 If the dift 1.3 If the dift 1.3 If the 2 0 0 2 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 <</td><td>III IBM Webserving Plugin</td><td></td><td>0 IBM_HTTP_Server</td><td></td><td>5</td><td>0 0</td><td>2 1</td><td>1 0.010</td><td>0.000</td><td>0.157</td><td></td></t<>	Med 1 Approx 2ATORI, SERVER 1 storig 33.367 0 0 7 0000 0.019 0.033 indications Approx 2ATORI, SERVER 1 storig 33.367 0 0 7 0.000 0.019 0.033 indications Approx 2ATORI, SERVER 1 storig 33.367 0 0 7 0.000 0.019 0.033 indications Approx 2ATORI, SERVER 1 storig 2.454.512 0 2 0.000 0.000 0.000 0.000 indications 2.454.512 0 2 0.000 0.000 0.000 0.000 0.000 0.000 indications 2.454.512 0 2 0.000	If the 1 explored APPLA/TOOL SERVER 1 exerv(2) 33.307 0 0 7 0.000 0.019 0.033 If the 2 33.307 0 0 7 0.000 0.019 0.033 If the 2 33.307 0 0 7 0.000 0.019 0.033 If the 2 33.307 0 0 7 0.000 0.019 0.033 If the 2 33.307 0 0 7 0.000 0.019 0.033 If the 2 2 0.000 0.019 0.019 0.033 0.019 0.033 If the 2 2 0.000 0.019 0.02 0.000 0.000 0.000 If the 2 2 0.000 0.000 0.000 0.000 0.000 0.000 If the 2 1.0113 If the dift 1.3 If the dift 1.3 If the 2 0 0 2 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 <	III IBM Webserving Plugin		0 IBM_HTTP_Server		5	0 0	2 1	1 0.010	0.000	0.157	
m top2 1 010/12 0 0 0 0 0000 00000	Woodpers.APPLCATCH_BERVER 1 g1s012 0 0 0 0 00000 0.0000<	a: WoodSphere APFLICATION_SERVER 1 g1sr012 0 0 0 0 0.000	# Hop 1		1	31,195	7			7 0.000	0.000	0.157	
right 2011/2017/3 1 33.307 0 0 7 0.000 0.199 0.003 a (D01) 2 0 2 0.000	100000000 1 33,367 0 0 7 00000 0.0119 0.0033 100000 2 0.0000 2 0.0000	month20703 1 23307 0 0 7 00000 0019 0.000 a DD 20002LOC1 2454512 0 0 7 00000 0019 0.000 201 Total: 13 13 0 0 7 0000 0.000 0.000 201 Total: 13 13 0 0 2 0000 0.000 0.000 201 Total: 13 13 0 0 2 0.000 0.000 0.000 201 10001 145.15 10 0 2 0.000 0.000 0.000 201 10011 10011 10011 0 2 0.000 0.000 0.000 201 10011 10011 10011 10011 0 2 0.000 0.000 201 10011 10011 10011 10011 10011 10011 10011 10011 10011 10011 201 10011 10011 100111 100111 100111 10011 10011 201 10011 100111 100111 100111 100111 100111 100111 201 100111 100111 100111	# WebSphere APPLICATION_SERVE	R			5				0.000	0.000	
la Heg2 a DD2 a DD2 Total 13 Fibred 13 a m a m a m a m a m a m a m a m	Nep 2 2 2454.512 0 0 2 0,000	Imp2 2 2 00021 0000 2 00000 </td <td>r90f1b207v3</td> <td></td> <td>s server i</td> <td>33,307</td> <td>7</td> <td>0 0</td> <td>0</td> <td>7 0.000</td> <td>0.019</td> <td>0.053</td> <td></td>	r90f1b207v3		s server i	33,307	7	0 0	0	7 0.000	0.019	0.053	
201 2 2454512 0 0 2 0.000 0.000 0.000 Total 13 Filtered: 13 © men € Tore & @ Demonstration	201 2 2,454,512 0 0 2 0,000	2/201 2 2,454.512 0 0 2 0.000	III Hop 2		2	2,454,512	2			2 0.000	0.000	0 000	
Cone intep	Next	Comment Internal Comment Internal Comment Internal Comment Internal Comment Internal Comment Internal Comment			2								
t jajn ¢]tree ▲ Diment	er all and a second and a secon			Total 13	Filtered 13								1
	NUME I' farvis' Classes Report - Nontha Fandas	Product families families families families families families for the families for the families of the families matrix for the families for the families for the families for the families (22210 2 0 4 3 8 PM) Months Toport Interval - Standard Matter (22210 2 0 4 3 8 PM) Months (2210 2 0 4 3 1 (2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Close (Helb.)										5 C
ROOMMACT: Service Classes Report - Marilla Firefex	Virtual Server Topology Report - SrvClsForFastestilighest in Workload WildForFastestHighest	Vitild Parket II is introduced memory and the intervence of t) Done								4 .	Internet	
	Virtual Server Topology Report - SrvClsForFestestHighest in Workload WkidForFestestHighest	A refutal Barryer Topology Report. BroChF or SansabilityDeat IN Workbod Winker or Satestillgheat Report Interval: Stating 629/101 108. 1 PM or 1 Simulate (2010) 2 ob 3 PM Muchry A refutal Simulation (2010) 108. 1 PM or 1 Simulation (2010) 2 ob 3 PM Muchry A refutal Barryer Topology Report. Barryer (2010) 2 ob 3 PM Muchry A refutal Barryer Topology Report. Barryer (2010) 2 ob 3 PM Muchry A refutal Barryer Topology Report. Barryer (2010) 2 ob 3 PM Muchry A refutal Barryer Topology Report. Barryer (2010) 2 ob 3 PM Muchry A refutal Barryer Topology Report. Barryer (2010) 2 ob 3 PM Muchry A refutal Barryer Topology Report. Barryer (2010) 2 ob 3 PM Muchry A refutal Barryer Topology Report. Barryer (2010) 2 ob 3 PM Muchry A refutal Barryer Topology Refutal 2 ob 3 PM Muchry A refutal Barryer Topology Refutal 2 ob 3 PM Muchry A refutal Barryer Topology Refutal 2 ob 3 PM Muchry A refutal Barryer Topology Refutal 2 ob 3 PM Muchry A refutal Barryer Topology Refutal 2 ob 3 PM Muchry A refutal Barryer Topology Refutal 2 ob 3 PM Muchry A refutal Barryer Topology Refutal 2 ob 3 PM Muchry A refutal Barryer Topology Refutal 2 ob 3 PM Muchry A refutal Barryer Topology Refutal 2 ob 3 PM Muchry A refutal 2 ob 3 PM Muchry <td>BOOMACT: Service Classes Report - Mart</td> <td>ha Firefree</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>المالها</td>	BOOMACT: Service Classes Report - Mart	ha Firefree									المالها
Content (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		Report Interval: Starting \$28/10.1.48.38 PM for 15 minutes (\$28/10.2.04.38 PM) Mushy [ac (a, a, a) (a) (a) <td>The second secon</td> <td>artistic Tops_31</td> <td>ta tita</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>	The second secon	artistic Tops_31	ta tita								1
		<u>33302</u>					8 PM) Modify		-			7	AND LOUI LOUI LOUI
A A IX IG P A EI Tassa Zoomin Layoute				auau - 1	Zoom • Layo	ul e							
33302 2396183					1000	333	102	-	23961	83		CONTRACTOR	
									_		\rightarrow		
									-				
		-0061-207-2 -0061-207-2 761	- 00		07.0			operha	07.07			763	
	33302 → J ³⁹⁶¹⁸³ → J	P3011B207V3 P3011B207V3 2G1	190	1102	0703			901162	0703			201	
r90f1b207v3 r90f1b207v3 ZG1	<u>33302</u>	•	1										1
Report Interval: Barting 9/28/10 1:49:38 PM for 15 minutes (9/28/10 2:04:38 PM) Mostly Image: PM for 15 minutes (9/28/10 2:04:38 PM) Mostly Image: PM for 12 minutes (9/28/10 2:04:38 PM) Layort (1) Layort (1)			Report Interval: Starting 9/28/10 1:4	0:38 PM	for 15 minutes (9	/28/10 2 04 3	8 PM) Models		_	83	~	, E	2801 Lo
			4 4 12 100 96 94 10 1	aux =	200m + Layo	ut =]							
								1.00				1	
33302 396183	A A A BA BA BA A A A A A A A A A A A A					333	102		23961	83	~		
33302 2396183						333	102		-3961	83	>		
											~ <		
												-	
	33302 → J ³⁹⁶¹⁸³ → J	r90f1b207v3 r90f1b207v3 ZG1	r90	1162	07v3		r	901162	07v3			2G1	
r90f1b207v3 r90f1b207v3 ZG1													
r90f1b207v3 r90f1b207v3 ZG1													
r90f1b207v3 r90f1b207v3 ZG1													
r90f1b207v3 r90f1b207v3 ZG1													
r90f1b207v3 r90f1b207v3 ZG1													
r90f1b207v3 r90f1b207v3 ZG1													
r90f1b207v3 r90f1b207v3 ZG1	<u>33302</u>												
r90f1b207v3 r90f1b207v3 ZG1													



RMF XP
Seamless performance monitoring solution for z/OS and distributed platforms
z/OS as management platform for distributed environments
Easy to setup, almost no customization needed
Two graphical frontends
Instant access via web browser
z/OSMF with advanced capabilities
zIIP exploitation helps to reduce costs
 Available with z/OS V1R13 RMF and z/OS V1R12 RMF (APAR OA36030)
© Copyright IBM Corporation 2012

