



Virtualization Performance Advisor - SYSTEM



The ratings and recommendations in the table below were chosen with the following information:

CEC Name : diamond-8233-ESB-SN100271P

Current LPAR : purple7

PartitionId : 17

Start time : Mon Mar 4 09:51:50 2013

End time : Mon Mar 4 10:22:23 2013

SYSTEM CONFIGURATION		
Name	Value	
Power Architecture Model	IBM,9117-MMB	
Processor Family	PowerPC_POWER7	
Server Frequency	3108 MHz	
Available Processors	8 cores	
Activated Processors	8 cores	
Available Memory	16384 MB	
Activated Memory	16384 MB	
Physical Adapters on the System	Universal Serial Bus UHC Spec-1 nos :RAID Controller-1 nos :PCI-E SAS Controller-1 nos :SAS RAID Controller-2 nos :1 Gigabit Ethernet-TX PCI-X Adapter-1 nos :8 Gigabit PCI Express Dual Port Fibre Channel Adapter-2 nos :	
Firmware Version	AM730_087	
PowerVM advanced features	ActiveLPM Supported: ActiveMemorySharing Supported: SPPL set to MAX:	
Shared Processor Pool	Total Shared pool = 3: <hr/> Shared Pool Name Pool Size(Cores) DefaultPool **** SingleCPU 1.0 dualPool 2.0	
Affinity Lpar (s)	No Affinity Groups on the system	

SPLPAR Optimization								
Name	Current Value			Recommended Value	First Observed	Last Observed	Risk 1=lowest 5=highest	Impact 1=lowest 5=highest
SPLPAR Resource Optimization	Lpar name	Avg Util %	Peak Util %	Physc Con (PC) > Entitlement ?	-	Mon Mar 4 09:51:50 2013	Mon Mar 4 10:22:23 2013	NA
	diamond4 WPAR	1.32	8.20	NA(Ded)				
	diamond5i	3.52	16.19	No				
	diamond6 was ISD632	1.29	2.18	No				
	diamondvios1	2.47	11.25	No				
	diamondvios2	5.11	5.52	No				
jdtest	1.06	2.30	No					

LPAR Resource Configuration					
Lpar Name	VCpu(Shared)/ Procs(Dedicated)	Entl	Memory(GB)	SharingMode	State
diamond10	0	0.00	0.00	shared, uncap	Not Activated
diamond3 WPAR	0	0.00	0.00	shared, uncap	Not Activated
diamond4 WPAR	0	0.00	0.50	shared, uncap	Not Activated
diamond5i	2	1.00	4.00	shared, uncap	Running
diamond6 was ISD632	4	1.00	1.00	shared, uncap	Running
diamond7 was ISD631	8	0.80	1.00	shared, uncap	Running
diamond8 P6 mode	2	0.20	1.00	shared, uncap	Running
diamondvios1	2	0.50	2.00	shared, uncap	Running
diamondvios2	2	0.50	2.00	shared, uncap	Running
jdtest	1	0.80	0.00	shared, cap	Not Activated

Memory Optimization												
Name	Current Value					Recommended Value	First Observed	Last Observed	Risk 1=lowest 5=highest	Impact 1=lowest 5=highest		
Memory Utilization	Lpar Name	RealMem (GB)	Memory Util %	Paging Rate (bps)	Pinned Mem %	Paging space (GB)	Free PgSp (%)	-	Mon Mar 4 09:51:50 2013	Mon Mar 4 10:22:23 2013	NA	NA
	diamond4 WPAR	2.000	76.93	0.00	35.98	1.50	99.29%					
	diamond5i	2.000	86.80	0.00	44.22	1.50	99.28%					
	diamond6 was ISD632	2.000	74.73	0.00	36.35	1.50	99.29%					
	diamondvios1	4.000	48.23	0.00	23.69	1.50	99.18%					
	diamondvios2	4.000	95.74	0.00	32.18	0.50	97.99%					
	jdtest	8.000	67.91	0.00	16.75	1.25	99.15%					
Memory Utilization Optimization	- diamondvios2- 95.74%					LPAR(s) utilizing high memory. increasing desired memory is suggested.	Mon Mar 4 09:51:50 2013	Mon Mar 4 10:22:23 2013	1	4		
Paging	Pass					-	-	-	NA	NA		
Free Page Space	Pass					-	Mon Mar 4 09:51:50 2013	Mon Mar 4 10:22:23 2013	NA	NA		
Pinned							Mon Mar 4	Mon Mar 4				

		** diamond7 was ISD631:diamond8 P6 mode: Check if xmtopas agent is running on all lpars. # diamond10:diamond3 WPAR: Lpar not active						Memory	Pass	-	09:51:50 2013	10:22:23 2013	NA	NA
	SPLPAR Configuration Optimization	Same as above	-	Mon Mar 4 09:51:50 2013	Mon Mar 4 10:22:23 2013	NA	NA							
	SPLPAR Entitlement Optimization	Lpar(s) with avg utilization is beyond the entitlement - diamond4 WPAR	Increase Entitlement to match the average utilization	Mon Mar 4 09:51:50 2013	Mon Mar 4 10:22:23 2013	1	4							

Shared Pool Optimization							
Name	Current Value	Recommended Value	First Observed	Last Observed	Risk 1=lowest 5=highest	Impact 1=lowest 5=highest	
Shared pool capacity optimization	Multiple Shared Processor Pool not supported in this version.	--	Mon Mar 4 09:51:50 2013	Mon Mar 4 10:22:23 2013	NA	NA	