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What's Changing for System z9	
New LSPR data for z/OS [®] -1.6	
 Supports up to 32 CPs in a single image on z9-109 and IBM eServer[™] zSeries[®] 990 (z990) 	
 Special LPAR configuration table added 	
 – CB-S workload eliminated; new CB-J workload added 	
Capacity planning tools affected	
– zPCR	
– CP2000	
– BWATOOL	
– SPSSZR	
– zPSG	
– zTPM	
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LSPR Versions Supported	
 Current LSPR Data (supporting z9-109) Z0 100, 000, 000, 000, (supporting z9-109) 	
- 29-109 , 2990 , 2900 , 2890 , and 2800 (measured in LPAR-mode)	
 z/OS-1.6 (CB-L, CB-J, WASDB, OLTP-W, and OLTP-T) 	
 z/VM (WASDB/LVm) 	
• Linux (WASDB/L)	
Prior LSPR Data (excludes z9109)	
 – z990, z900, z890, and z800 (measured in LPAR-mode) 	
 z/OS-1.4 (CB-L, CB-S, WASDB, OLTP-W, and OLTP-T) 	
- z900 , z890 , z800 , G6 , G5 , Multiprise[®] 3000 , and prior (measured in basic m	ode)
 OS/390[®] 2.10 (CBW2, CB84, TSO, CICS[®] /DB2[®], and IMSTM) Amdahl and HDS processor families remain in older PCRW tool 	
• z/VM (CMS1)	
VSE/ESA (CICS)	
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I SPR Workload Considerations							
■ LSPR Workload Primitives (MVS [™])							
- <u>z/OS-1.6</u>	<u>z/OS-1.4</u>	<u>OS/390 V2R10</u>					
- CB-L (CBW2)	CB-L (CBW2)	CBW2					
- CB-J (New)	CB-S (CB84)	CB84					
- WASDB	WASDB	TSO					
- OLTP-W	OLTP-W	CICS /DB2					
– OLTP-T (IMS)	OLTP-T (IMS)	IMS					
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New Multi-Image LSPR Table	
LSPR now includes performance ratios based on the average multi-image configurations	
- Single-Image	
 One z/OS image equal to the size of the model 	
1-way to 32-way	
- Multi-Image	
 Multiple 2/OS images Range from 5 at the low end to 9 at the high end 	
 1-way to 54-way 	
 Used as the basis for setting MIPS and MSU 	
Why are there two tables ?	
 Over 95% of installed processors now use LPAR 	
 Variables used in establishing the configurations 	
 Number of images 	
 Size of each image 	
 Relative weight 	
 Ratio of logical to physical engines 	
 Ranged from 5:1 at the low end to 11/2:1 at the high end 	
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IBM Advanced Technical Support – Washington Systems Center	IBM
zPCR available to customers	
 Controlled availability - September 2005 4 in AG, 2 in EMEA, 2 in AP zPCR 2.4 which includes support for z990 and prior processors 	
 General availability - October 2005 Password required for install (provided at the completion of education) The then current version of zPCR 	
 GA Delivery via the Web 	
 Education via Web lecture LSPR Concepts LPAR Concepts 	
 Introduction to zPCR 	
 Service Usage questions via a newsgroup facility Defect support via e-mail 	
 Customer responsible to keep their copy current 	
 Registration is part of installation process 	
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