z/OS 1.11 and z196 Capacity Planning Issues - Part 2
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Experienced capacity planners know that every new generation of machines provides a major challenge to their skills. However, by using LSPR benchmarks and the recent zPCR tool, they have always been able to overcome this issue.

Unfortunately the only and latest benchmarks for z/OS 1.11 are Low, Average and High RNI (forget about LoIO-Mix, DI-Mix, etc) and these are the only benchmarks available for the z196 mainframes. Any upgrade from z9 and z10 to these new machines will therefore require a special care.

This paper will discuss these issues providing information and suggestions on how to perform correct machine capacity evaluations and comparisons.

This paper will also preliminary describe LSPR benchmarks, z10 and z196 processor hardware architecture and the new metrics available through the CPU Measurement Facility which allows to measure each processor cache level and determine the real capacity of a machine.