



z14 Capacity Planning – TLB addendum

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1 Introduction

On July 17th IBM announced its new generation of the mainframe. The new system is simply called IBM z14 while the family model is 3906.

Experienced capacity planners know that every new generation of machines provides a major challenge to their skills. They also know that their best friends are the IBM LSPR benchmarks, the IBM zPCR tool, the Measurement Facility counters provided in SMF 113 and an up to date performance database.

In this addendum, after a short introduction to TLB and to the enhancements introduced with z14, we will look at the extended counters and formulas to be used to analyze TLB performance. Finally, we will show a comparison of z13 and z14 TLB performance, based on the first measurements collected at a customer site.