

z13 Capacity Planning - Part 1

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1 Introduction

On January 14th IBM announced its new generation of the mainframe. The new system is simply called IBM z13 while the family model is 2964.

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.

At the time of writing this paper the only thing available are the IBM LSPR benchmarks so in the first part of this paper, after a quick look at the most important capacity characteristics of the IBM z13, we will start from them to calculate the MIPS capacity of each IBM z13 processor model.

We will also compare z13 single CP capacity and workload variability with previous machine generations.