

# Using SMF 113 counters to assess IBM zEC12 capacity

*Fabio Massimo Ottaviani – EPV Technologies*

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## 1 Introduction

At the end of August 2012, IBM announced the new zEC12 machines. As for z196, the only benchmarks available are Low, Average and High RNI.

Using the metrics produced by the CPU Measurement Facility and collected in SMF 113 is therefore mandatory in order to correctly assess zEC12 machines capacity.

This paper, after a short description of the zEC12 processor hardware architecture, will describe the new metrics available in SMF 113 for zEC12 and how to use them to understand which of these benchmarks best represents your system workload.