

PR/SM overhead and performance related issues

Fabio Massimo Ottaviani - EPV Technologies

The technological evolution of IBM machines is continuously increasing the single processor power; at the moment a uniprocessor z9 EC machines (Central Processing Complex - CPC) provides a processing power of about 580 MIPS.

This is forcing many companies to allocate much more Logical Partitions (LPARs) than in the past in a single machine. This aggregation requires to review the LPARs configuration in order to avoid a big increase in the PR/SM overhead.

In the following chapters the reasons of this overhead and some best practices to reduce it will be discussed.