



## Reducing the SRM overhead

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### 1 Introduction

SRM (System Resource Manager) is an essential component of the z/OS system.

It is the basement on which WLM has been built and it works together with WLM to determine which address spaces should be given access to system resources and the rate at which each address space is allowed to consume these resources.

SRM has two fundamental goals:

- distributing system resources among individual address spaces in accordance with the installation's response, turnaround, and work priority requirements;
- achieving optimal use of system resources as seen from the viewpoint of system throughput.

To reach its goals SRM periodically enters the system to monitor and balance resource utilization. The amount of CPU used by SRM to do its job is the “SRM overhead”. Obviously, you can't completely eliminate this overhead but you can try to reduce it.

In this paper, after a short introduction to the “SRM seconds” concept, we will discuss the possibility to tune the RMPTTOM parameter in order to reduce the SRM overhead.

We will also show what you can do to estimate the obtained results in terms of overhead reduction.

