Crypto counters for Address Spaces

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1. Introduction

Cryptography lies at the core of digital security, which is becoming increasingly important for every company also in the z/OS environments.

Many hardware and software technologies are available in z/OS that allow the exploitation of most of the commonly used cryptographic functions.

At the same time, IBM continues to introduce SMF records and fields to give users the ability to measure cryptographic activity in greater detail.

In z/OS 2.5, new sections in the SMF 30 records have been introduced to provide, for the first time, information about the cryptographic instructions issued by every address space and served by the CP Assist for Cryptographic Functions (CPACF).

In this paper, after a brief introduction to CPACF, we will shortly discuss these new SMF 30 measurements and what you must do to identify the cryptographic instruction issued.

We will also show some examples of reports you can easily produce.