SMA SYSTEM MANAGEMENT & AUTOMATION

GFS/SMA

Tool for appropriation of IBM software license costs.

GFS/SMA automatically identifies and segregates workloads and the respective CPU consumption, with proper evidence for auditing purposes, enabling more effective monthly cost control of IBM z/OS software.

The product offers the following functionalities:

1. Real time collection and storage, on a VSAM KSDS basis, of SMF information (z/OS, CICS, DB2, Websphere) and IMS log records, making them available for use by SCRT (program for issues cost reports to be sent to IBM) with no need to read SMF files.

2. Generation of files to be used by SCRT, containing the consumption of CPU resources by transactions originated from mobile devices (MWP - Mobile Workload Pricing), public cloud (zWPC - Workload Pricing for Cloud) or any other cost reduction program that IBM may offer. Currently IBM offers up to 60% discount over costs resulting from these transactions.

   During the software installation process, GFS has tools, APIs and advisors to assist the client with customization for automatic identification of CICS, DB2, Websphere, IMS and other transactions, such as mobile or cloud, making it possible to receive the discount.

3. At any time the user can check forecasts of the costs that will be appropriated at the end of each month.

4. SMA allows you to schedule the submission of commands based on date, time, day of month, weekday, business day, holiday or other calendar options. It is also possible to schedule command execution based on intervals and message triggers, using the message body's data as variables in the commands to be submitted.

5. Secure storage of all the information used in cost appropriation, with the user able to obtain historical reports on these costs.

6. The system is prepared to collect data in real time, on a centralized basis, on all the active LPARs in the installation.

7. Other functionalities are being developed that will enable the client to obtain much more information about and control over costs, as well as functionalities such as real-time monitoring of the cost that is being generated each day and a month-end estimate, which enables redistribution of the workload among the LPARs.

In order to achieve the best performance and lowest possible overhead, the product was developed entirely in Assembler, using latest generation z/OS facilities, such as 64 bit Architecture, XCF, VSAM RLS, etc.

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