ThruPut Manager®

AUTOMATED CAPACITY MANAGEMENT

Real ***software savings*** *for users of* ***sub-capacity pricing***

HIGHLIGHTS

ThruPut Manager *now provides automated capacity management facilities in addition to its existing automation and optimization features. Installations using or considering sub-capacity pricing can now constrain or defer low importance batch as a peak approaches and resume normal service when it passes, generating significant monthly software savings with no impact to online service or mission critical batch.*

Generate Real Savings

For intermediate-sized installations, monthly software fees can be $500,000 to $1,000,000 and up. We estimate these installations can save $50,000 to $100,000 per month using **ThruPut Manager** to manage their processor usage for yearly savings of up to $1 million. Larger installations can save substantially more.

Manage Processor Usage

Installations use IBM's sub-capacity pricing when they want to treat a CPC as smaller than it is, for the purposes of software pricing. This pricing model is based on the rolling 4-hour average (R4HA), that is, the CPU usage averaged over the previous four hours. The software charges for the month are based on the highest R4HA for the whole month.

ThruPut Manager continuously monitors the rolling 4-hour average for each LPAR and, optionally, LPAR group, comparing it to a "capacity target" which can be:

- the Defined Capacity for an LPAR, or
- the Group Limit for an LPAR Group, or
- a capacity target defined to **ThruPut Manager** when the installation does not use soft-capping.

When the rolling 4-hour average approaches the capacity target, **ThruPut Manager** automatically constrains or defers lower importance batch, as specified by the installation, and correspondingly relaxes these constraints as the average decreases.

Specifying Workload Constraints

For each subset of batch workload identified to **ThruPut Manager**, the installation specifies limits by capacity threshold for the number of executing jobs, length of time in queue before a job can be selected, or assigns a service class to the job that limits the processor consumption. **ThruPut Manager** automatically takes the requested actions to reduce or eliminate the contribution of low importance batch workload to the peak value of the rolling 4-hour average.

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THE LEADER IN BATCH AUTOMATION

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Savings For All Installations

The automated capacity management facilities of **ThruPut Manager** provide savings for all installations that use sub-capacity pricing, whether or not they have implemented soft capping. Using either the soft capping limit, or a capacity target defined directly to **ThruPut Manager**, lower importance batch load is automatically constrained, ensuring that only online and other high importance work contribute to the peaks.

The Leader in Batch Innovation

These automated capacity management features are available with **ThruPut Manager** – the leader in batch automation. It optimizes and automates the total z/OS JES2 batch workload, managing every job from submission to end of execution, incorporating best practices and modernizing today's dynamic and complex mainframe batch environment.

ThruPut Manager is a radical leap in datacenter automation technology. It delivers year-on-year datacenter savings while simplifying the datacenter environment and enhancing service to batch users.

Prerequisites

- **ThruPut Manager AE**
- z/OS 1.10 or higher

Reference

- **ThruPut Manager AE** Product Overview, MVS Solutions
- z/OS Planning for Sub-Capacity Pricing, SA22-7999-06, IBM Corporation

ThruPut Manager

Only certain highlights of ThruPut Manager have been discussed here. For further information, please contact us as noted on the first page.