Sub-Capacity for z/OS

When you are running z/OS in 64-bit mode and are no longer running OS/390 on your z Systems server, you have the option to pay the charges for your eligible software on a sub-capacity basis. The Sub-Capacity Reporting Tool (SCRT) is the program which processes SMF 70 and SMF 89 records created by z/OS to produce a report showing LPAR utilization figures which are used to set the software charges.

- Please see the Sub-Capacity for z/TPF page for additional information if you are also running z/TPF LPARs and need to include the z/TPF data in your SCRT report.
- Please see the Sub-Capacity for z/VSE page for additional information if you are also running z/VSE LPARs and need to include the z/TPF data in your SCRT report.

Sub-capacity pricing is based on the four-hour rolling average utilization of the z/OS LPARs observed within a one month reporting period. The reporting periods run from 00:00 on the second calendar day of the month through midnight (23:59) on the first calendar day of the following month.

When a z/OS machine has Sub-Capacity charges, and a version to version z/OS migration is taking place, and if IBM has determined that the migration is eligible for the Migration Pricing Option (MPO), then charges for the previous version are waived and the new version is charged at the combined concurrent peak MSUs for all versions of z/OS reported on the customer's Sub-Capacity Report for that month.

On 14 February 2017 IBM announced Multi-Version Measurement (MVM) replaces Single Version Charging (SVC) for eligible z/OS and z/VSE software programs. MVM also replaces the Migration Pricing Option (MPO) and the IPLA Migration Grace Period.

Enhancements to Sub-Capacity for z/OS

- Getting Started Sub-Capacity Pricing (GSSP) – Available for select IBM WebSphere z/OS IPLA programs, GSSP offers lower required software license capacity when the WebSphere program usage accounts for less than 50% of the Rolling 4-Hour Average utilization of the LPAR where it is running. See the GSSP announcement for more information.

- Integrated Workload Pricing (IWP) – Available for select IBM WebSphere z/OS IPLA programs, IWP can improve the price/performance for eligible IMS and CICS Monthly License Charge programs co-located within the same logical partition (LPAR) as the select WebSphere program. See the IWP announcement for more information.

- Mobile Workload Pricing (MWP) – When IBM programs such as CICS, DB2, IMS, MQ, or WebSphere Application Server are processing mobile transactions from phones or tablets, MWP may reduce the cost of growth for these mobile transactions by potentially reducing the reported peak capacity values for sub-capacity charges. See the MWP announcement for more information.

- z Systems Collocated Application Pricing (zCAP) – When net new instances of IBM programs such as CICS, DB2, IMS, MQ, or WebSphere Application Server are added in support of a new application not previously running on a mainframe server, zCAP may reduce the cost of growth for the new application transactions by potentially reducing the reported peak capacity values for sub-capacity charges. See the zCAP announcement for more information.

- z Systems Workload Pricing for Cloud (zWPC) – When IBM programs such as CICS, DB2, IMS, MQ, or WebSphere Application Server are processing transactions from net new public cloud applications, zWPC may reduce the cost of growth for the new application transactions by potentially reducing the reported peak capacity values for sub-capacity charges. See the zWPC announcement for more information.