

IBM Multi-Version Measurement

**Multi-Version Measurement (MVM) replaces
Single Version Charging (SVC) for
eligible z/OS and z/VSE software programs**

v2

Agenda

- This presentation covers two levels of detail
 - Overview
 - Implementation
- Overview
 - The end-to-end information that all stakeholders will be interested in
 - Designed for people who need to understand MVM, but not implement it
- Implementation
 - The detailed information that implementation professionals will be interested in
 - Designed for people who are responsible for implementing MVM

Overview

Overview

- Key Dates
- What is SVC, MPO and the IPLA Migration Grace Period?
- Limitations of SVC, MPO and the IPLA Migration Grace Period
- Introduction to Multi-Version Measurement
- Key benefits of Multi-Version Measurement
- How Multi-Version Measurement works
- What programs are eligible for Multi-Version Measurement?
- What Happens Next?

Key Dates

- On Feb 14, 2017, IBM formally announced:
 - The replacement of Single Version Charging (SVC) with Multi-Version Measurement (MVM) for eligible z/OS and z/VSE software programs.
 - MVM also replaces the Migration Pricing Option (MPO) and the IPLA Migration Grace Period for eligible z/OS and z/VSE software programs.
 - Announcement Letters:

• AP17-0089	Asia Pacific	• JP17-0113	Japan
• A17-0148	Canada	• LP17-0118	Latin America
• ZP17-0119	Europe, Middle East, Africa	• 217-093	United States
- Key MVM billing dates:
 - June 1, 2017, is the earliest billing effective date for programs under MVM terms.
 - By Year End 2017, all eligible products will be billed using MVM terms.

NOTE: Most z/OS and z/VSE software program will be eligible.

What are SVC, MPO and the IPLA Migration Grace Period?

- **Single Version Charging (SVC)**
 - The waiver of charges for the older version during an upgrade, for up to 12 months.
 - After the waiver period, all versions are charged until old version is completely removed.
- **Migration Pricing Option (MPO)**
 - Similar to SVC, but calculated differently and limited mainly to z/OS and z/VSE.
 - Old version waiver period typically 18 or 24 months, dependent on product.
 - After the waiver period, all versions are charged until old version is completely removed.
- **IPLA Migration Grace Period**
 - Similar to SVC and MPO, but the upgrade duration waiver is limited to 6 months.
 - After the waiver period, additional charges apply.

Limitations of SVC, MPO and the IPLA Migration Grace Period

- Rules that enforce an upgrade within a finite period of time
 - Clients need more control over their prioritization of upgrades vs. new projects.
 - Clients need more flexibility to deal with unexpected issues (e.g., loss of key skills).

- Rules that restrict production deployments of multiple versions
 - Clients need the option to use new version capabilities, without removing old version.
 - Clients occasionally need to isolate older workloads, while upgrading everything else.

Introducing Multi-Version Measurement

- **What Multi-Version Measurement is:**
 - An extension (and renaming) of a price offering that was originally introduced for Country Multiplex Pricing (CMP) clients - and will now be available to all z/OS and z/VSE clients.
 - A complete replacement for all three of the existing SVC, MPO and the IPLA Migration Grace Period price offerings.

- **What Multi-Version Measurement does:**
 - Removes all the time limit restrictions associated with SVC, MPO and the IPLA Migration Grace Period.
 - Dramatically simplifies pricing by replacing three completely different pricing policies with one single, more flexible, standard policy.

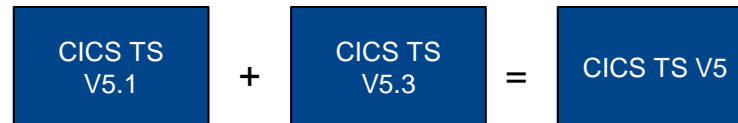
Key benefits of Multi-Version Measurement

- Eliminates the possibility of being charged separately for multiple versions
- MVM has no time limits during a temporary upgrade period
 - Clients will have much more control over their upgrade cycles, allowing them to prioritize and stage software upgrades as their business requirements demand.
 - Clients will have much more flexibility to react to unforeseen issues by altering their upgrade projects plans, without needing to notify IBM or apply for technical waivers.
- MVM has no time limits during longer-term production deployments
 - Clients can now deploy new capabilities delivered in new software versions for specific projects that require them, without also being required to upgrade everything else.
 - In cases where some older and less critical workloads cannot easily be upgraded, clients can now chose to leave those on an older version, while upgrading everything else.

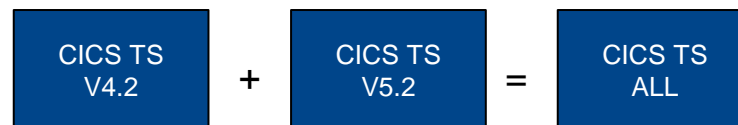
How Multi-Version Measurement works

- Multiple versions will be treated like multiple releases within a version
 - All versions and releases are reported and charged as though they were a single version.
 - The price point applied will be that of the latest version licensed.
 - This is identical to how multiple releases with a version are charged today.

Releases within a version are already measured like this →



Under MVM, versions are measured in the same way →



- This is identical to how the Operating System (All) MSUs are currently reported and charged under MPO (the only difference being that there is no longer a time limit).

What programs are eligible for Multi-Version Measurement?

- Practically all IBM z Systems software programs are eligible
 - All supported (along with many recently unsupported) versions of almost all IBM OTC and IBM MLC software products, including z/OS, CICS, DB2, IMS, MQ, z/VSE, etc.
 - It is anticipated that almost all clients will be able to move to MVM for their entire IBM z Systems software inventory.
 - Full lists of products available and will be maintained at these websites
 - <http://ibm.com/systems/z/swprice/reference/exhibits/mlc.html>
 - http://ibm.com/systems/z/swprice/reference/exhibits/ipla_exe.html

- Notable Exception
 - Very old and out of support programs (i.e., OS COBOL, OS PL/I)

What happens next..

- Automatic SVC, MPO and IPLA Migration Grace Period extensions
 - All existing SVC, MPO, and IPLA Migration Grace Periods expiring between 14 February 2017 and 30 May 2017 are automatically extended to 31 May 2017.
- Sub-capacity clients must take action to ensure conversion
 - Sub-capacity clients must submit an SCRT report using SCRT V24.2.0 (Classic) or SCRT V24.11.0 (Java), planned to be made available on 10 April 2017.
 - Use one of these new SCRT releases to generate SCRT Report with April data, submit it May 2 – 9, then Sub-Capacity MVM will go into effect with 1 June bill
 - Until the above release of SCRT reports are submitted, previous pricing rules apply.
- Full-capacity SVC and MPO clients will be converted automatically
 - Full-capacity clients will have SVCs and MPOs converted to MVM on 1 June 2017.

More information (on day of announce)

- Detailed information on MVM web page: (on day of announcement)
 - <http://ibm.com/systems/z/swprice/mvm.html>

Implementation

Implementation

- MVM for Sub-Capacity programs
- MVM billing effective date for Sub-Capacity programs
- MVM for non-Sub-Capacity situations
- MVM billing effective date for non-Sub-Capacity situations
- MVM for IPLA program trade-up situations

MVM for Sub-Capacity programs

- For clients running multiple versions of a sub-capacity program
 - All MSUs for the multiple versions within that Program Family will be reported on a concurrent basis, similar to how SCRT measures z/OS today.
 - SCRT will calculate the combined concurrent peak (indicated by "(All)" in the report) by adding up the LPAR values where any version of the program is running.
 - For billing purposes, all MSUs within a given family will be reported on a concurrent peak basis and priced at the cost of the latest version of the program within the family.
 - Clients will essentially be paying for all versions and releases of a program, such as CICS TS for z/OS, reported as though it was a single version.
 - MVM does not extend support dates for programs withdrawn from service.

MVM billing effective date for Sub-Capacity programs

- 1 June 2017 is the earliest billing effective date for MVM.
 - Sub-capacity licenses cannot be charged under MVM terms until an SCRT V24.2.0 (classic) or SCRT V24.11.0 (Java) or later, sub-capacity report is submitted to IBM.
 - This report, for data collected during the April reporting period, may be submitted between May 2 and May 9, 2017, and will have a billing effective date of June 1, 2017.
 - Submission of an SCRT V24.2.0 or SCRT V24.11.0 (or later) sub-capacity report will be considered a request by the client to switch to MVM terms.
 - SCRT V24.2.0 (classic) and SCRT V24.11.0 (Java) will be available on 10 April 2017.
- If no action is taken, the new MVM terms will not apply
 - Pre-MVM (SVC, MPO) pricing terms will continue to apply until a valid SCRT report with MVM capability is submitted.
 - Old version resumes billing if SVC/MPO expires and old version not discontinued.
 - Any waivers extended to 31 May 2017 will expire if not converted to MVM on 1 June.

MVM for non-Sub-Capacity situations

- For clients with Full Capacity charges
 - When all the program versions within a Program Family are charged under Full Capacity MSUs the latest licensed version of the program is charged at the Full Capacity MSUs of the machine and charges for any earlier versions of the program in that Program Family are waived.

- For clients running multiple versions of a non-MSU priced program
 - When all program versions within a Program Family are charged with a price metric not based on MSUs (or otherwise ineligible for Sub-Capacity) the latest licensed version of the program is charged using the applicable metric and charges for any earlier versions in that Program Family are waived.

MVM billing effective date for non-Sub-Capacity situations

- Eligible programs will be automatically billed from 1 June 2017
 - Clients running programs that are Full Capacity or otherwise not eligible for Sub-Capacity, and are not being charged for multiple versions of these programs, will automatically be converted to MVM on 1 June 2017.
 - Clients being charged for multiple versions of eligible Full Capacity programs whose SVC or MPO period expired prior to MVM must request in writing to IBM that MVM be applied to those eligible programs.

MVM for IPLA program trade-up situations

- Standard version upgrades using S&S subscription require nothing special
- When an IPLA upgrade is to a trade-up program vs. a new version upgrade:
 - Clients are allowed to continue running both program so long as their aggregate use does not exceed their license entitlement to the trade-up program.
 - Clients may require service on any of their installed program versions, so S&S must be available for both old program and new trade-up program.
 - When the trade-up program order is placed:
 - All license entitlement must be assigned to the new trade-up program OTC
 - Matching S&S entitlement must be assigned to the new trade-up program S&S
 - All older OTC and S&S licenses must be changed to No-Charge license types:
 - OTC: MultiVersion Measurement (formerly called Multiplex Program Migration)
 - S&S: MultiVersion Measurement S&S (formerly called Multiplex Migration S&S)
 - MVM does not extend support dates for programs withdrawn from service

Sample SCRT Report showing MVM

- The MVM (All) row for each program running multiple versions is the combined concurrent monthly peak MSUs for all LPARs running any versions of that program this month

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PRODUCT SUMMARY INFORMATION		
MLC Product Name	MLC Product ID	Tool MSUs
z/OS	(All)	1783
z/OS V2	5650-ZOS	1252
z/OS V1	5694-A01	649
DB2 for z/OS	(All)	1765
DB2 11 for z/OS	5615-DB2	397
DB2 10 for z/OS	5605-DB2	1552
CICS TS for z/OS V4	5655-S97	1783
WebSphere MQ for z/OS V7	5655-R36	1783
COBOL	(All)	302
IBM Enterprise COBOL for z/OS V6	5655-EC6	244
IBM Enterprise COBOL for z/OS V4	5655-S71	128
IPLA Product Name	IPLA Product ID	Tool MSUs
Debug Tool for z/OS V13	5655-Q10	302
File Manager	(All)	1118
File Manager for z/OS V13	5655-Q12	409
File Manager for z/OS V12	5655-W68	816
File Manager for z/OS V11	5655-W47	57
Workload Simulator for z/OS V1	5655-I39	1066
WebSphere Application Server	(All)	121
WebSphere Application Server for z/OS V8	5655-W65	34
WebSphere Application Server for z/OS V7	5655-N02	98

- (All) rows are used to bill the most recent version of the program
- Individual product versions are reported for informational purposes, but not used for billing
- IPLA Execution-based program are reported the same way when multiple versions are running

The End