IBM mainframe software bill audit

Reporting period September 2026 · 8 machines · 64 LPARs · 19 invoice lines · 16 checks

Demonstration only. Every figure in this report comes from a synthetic mainframe estate built to the shape SSA's notice describes, with illustrative per-MSU prices. It is not SSA data and not IBM pricing.

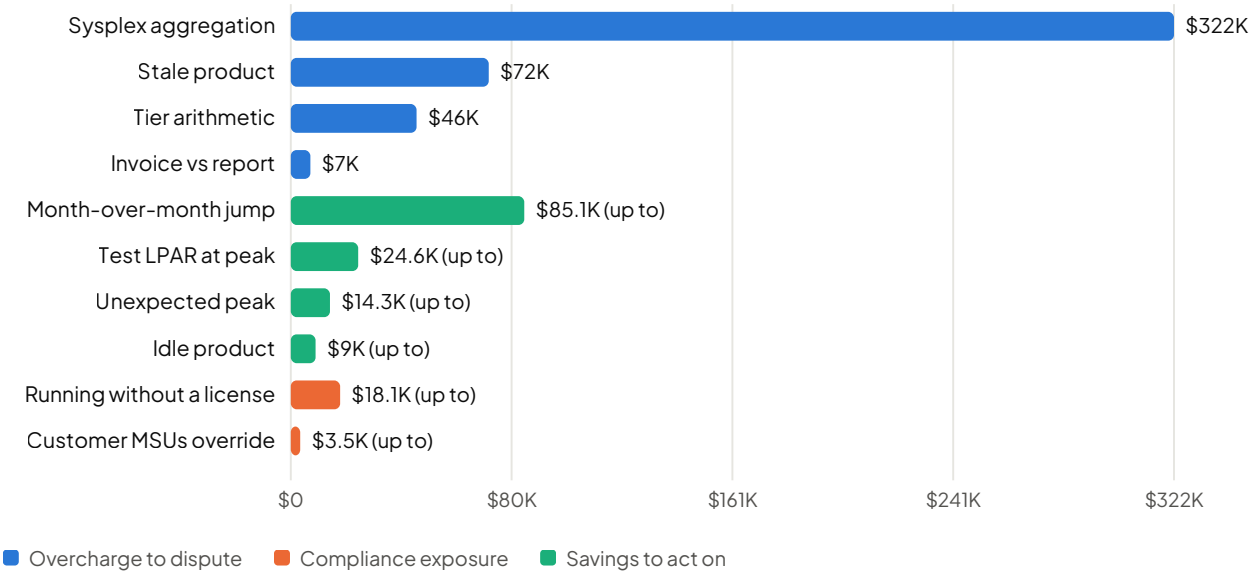
IBM invoice reviewed
$4.15M
monthly charge, all lines

Overcharge to dispute
$446,859.00
exact, from invoice arithmetic

Savings to act on
$94.1K
upper bound, from the reports; 2 alternatives on the same work not added

Compliance exposure
$21.5K
upper bound, if IBM re-bills; plus $840.6K one-time (IPLA use above entitlement)

What each finding is worth this month



Findings, ranked

#	Category	Finding and evidence	Where	$ this month	Action
1	Overcharge to dispute	**Sysplex aggregation** priced machine by machine (NSC1 1637, NSC2 1676, NSC3 1683, NSC4 1720) instead of 6716 MSU aggregated across qualified PLEX-NSC	PLEX-NSC · z/OS	$322K exact	Dispute; the tier curve runs once across a qualified sysplex.
2	Overcharge to dispute	**Stale product** billed 240 MSU; IMS DB/DC appears on no SCRT report for PLEX-NSC	PLEX-NSC · IMS DB/DC	$72K exact	Dispute the line and confirm the product is off the license inventory.
3	Overcharge to dispute	**Tier arithmetic** charged $363,065 for 6138 MSU; cumulative AWLC levels give $317,272	PLEX-SSC · CICS TS	$46K exact	Dispute the extension; each MSU is priced at the rate of its own level.
4	Overcharge to dispute	**Invoice vs report** invoice 7164 MSU vs 7024 MSU on the submitted SCRT reports	PLEX-SSC · Db2 for z/OS	$7K exact	Dispute the line against the submitted reports unless a contract minimum applies for this pricing option.
5	Savings to act on	**Month-over-month jump** z/OS on SSC4 reported 3707 MSU this month vs 1581 MSU last month (2.3×), while the machine's rated capacity stayed 2200 MSU	PLEX-SSC · SSC4 · z/OS	$85.1K upper bound	Investigate before next month's SCRT submission -- confirm it's intended growth, not a runaway job or a workload moved onto this machine.

#	Category	Finding and evidence	Where	$ this month	Action
6	Savings to act on	**Test LPAR at peak** TEST LPAR SSC1L8 contributed up to 166 MSU at the peak of 7 products; its average hour is 28 MSU	PLEX-SSC · SSC1 · SSC1L8	$24.6K upper bound	Move load tests on SSC1L8 off the production peak, or cap SSC1L8.
7	Savings to act on	**Unexpected peak** SSC3L7 peaked at 266 MSU (03 Sep 2026 - 15:00), 2.5× its average hour	PLEX-SSC · SSC3 · SSC3L7	$14.3K upper bound	Set a defined capacity on SSC3L7 near 148 MSU and find the runaway job.
8	Savings to act on	**Idle product** CICS TS active 0.4% of the month in NSC3L3, yet NSC3L3 adds 257 MSU to its 1476 MSU peak	PLEX-NSC · NSC3 · NSC3L3 · CICS TS	$9K upper bound	Stop or relocate the CICS TS task in NSC3L3; one active hour counts the whole LPAR.
9	Savings to act on	**Licensed, not running** IMS DB/DC is licensed for SSC4 (MLC) but IMS DB/DC appears on neither this month's or last month's SCRT report for SSC4	PLEX-SSC · SSC4 · IMS DB/DC	not priced not estimable	Confirm nothing runs IMS DB/DC on SSC4; if so, retire the license or its Subscription and Support at the next renewal.
10	Compliance exposure	**IPLA entitlement shortfall** PL/I ran at 2336 MSU across the estate this month, 934 MSU above its 1402 MSU entitlement on file; IBM bills IPLA use in excess of entitled capacity as a new order	PL/I	$840.6K illustrative	Confirm the license entitlement on file and true it up before IBM bills the excess as a new OTC order.
11	Compliance exposure	**Running without a license** NetView ran at 1,637 MSU on NSC1's SCRT report this month, and the license inventory lists no license for it on NSC1	PLEX-NSC · NSC1 · NetView	$18.1K upper bound	Find the license that covers NetView on NSC1 and add it to the inventory, or stop running it there before IBM's records and ours are compared.
12	Compliance exposure	**Customer MSUs override** Customer MSUs 1372 overrides Tool MSUs 1685 for OMEGAMON on SSC4 with no Customer Comment on file; SCRT requires a comment whenever Customer MSUs is used	PLEX-SSC · SSC4 · OMEGAMON	$3.5K upper bound	Document the override in the Customer Comments field, or remove it and let Tool MSUs stand.
13	Compliance exposure	**Whole-machine data gap (H6)** NSC1 has no data from any LPAR for 8 hours (09 Sep 2026 - 08:00 to 09 Sep 2026 - 16:00) and the justification is still "(required)"; no LPAR reported anything, so no product's peak can be reconstructed from it	PLEX-NSC · NSC1	not priced not estimable	Confirm the outage was legitimate (e.g. planned maintenance) and write the justification IBM requires before submitting.
14	Compliance exposure	**Missing LPAR data (H4)** NSC4L1 has no complete SMF70/89 (or SCRT89) data for 32 hours and the justification is still "(required)"; the missing hours did not move the z/OS peak, but IBM still requires the explanation	PLEX-NSC · NSC4 · NSC4L1	$0 upper bound	Fix SMF70/89 collection on the LPAR and write the justification IBM requires before submitting.
15	Compliance exposure	**Missing LPAR data (H4)** SSC2L3 has no complete SMF70/89 (or SCRT89) data for 10 hours and the justification is still "(required)"; the missing hours did not move the z/OS peak, but IBM still requires the explanation	PLEX-SSC · SSC2 · SSC2L3	$0 upper bound	Fix SMF70/89 collection on the LPAR and write the justification IBM requires before submitting.

Sample dispute letter (written for SSA to send to IBM, with the attachments named below)

Subject: Invoice line dispute, z/OS, PLEX-NSC, September 2026

We ask IBM to review the September 2026 charge for z/OS on PLEX-NSC. Our recomputation from the sub-capacity reports submitted for the period, using the Advanced Workload License Charges levels in our agreement, differs from the invoice by $321,809.00 for the month. The finding: priced machine by machine (NSC1 1637, NSC2 1676, NSC3 1683, NSC4 1720) instead of 6716 MSU aggregated across qualified PLEX-NSC. Please issue a corrected invoice or a credit.

Nothing is attached to this letter automatically. Before sending it, attach the SCRT reports submitted for each machine in the plex (the SCRT files given to this audit) and the AWLC level table from the contract. The recomputed figure is the finding above; findings.json beside this report holds the same figures.

Charge versus usage, every product

10 products, 5 flagged. Invoiced $4,151,133.00; the SCRT usage at the contract rates supports $3,704,274.00 for the monthly products.

Product	Used MSUs	Each machine: MSUs used / rated, LPARs, highest activity	Invoiced	Usage supports	Difference	$/MSU	Status
z/OS MLC · PLEX-NSC	6,716	NSC1 1,637/3,000 · 8 LPARs · 99% NSC2 1,676/2,600 · 8 LPARs · 100% NSC3 1,683/2,200 · 8 LPARs · 100% NSC4 1,720/3,400 · 8 LPARs · 100%	$702,060.00 6,716 MSU billed	$380,251.00	$321,809.00	$104.54	Charged above usage audit: Sysplex aggregation
CICS TS MLC · PLEX-NSC	5,993	NSC1 1,454/3,000 · 8 LPARs · 99% NSC2 1,521/2,600 · 8 LPARs · 100% NSC3 1,476/2,200 · 8 LPARs · 100% NSC4 1,542/3,400 · 8 LPARs · 100%	$312,197.00 5,993 MSU billed	$312,197.00	$0.00	$52.09	Matches audit: Idle product
Db2 for z/OS MLC · PLEX-NSC	6,716	NSC1 1,637/3,000 · 8 LPARs · 99% NSC2 1,676/2,600 · 8 LPARs · 100% NSC3 1,683/2,200 · 8 LPARs · 100% NSC4 1,720/3,400 · 8 LPARs · 100%	$481,137.00 6,716 MSU billed	$481,137.00	$0.00	$71.64	Matches
IBM MQ MLC · PLEX-NSC	6,012	NSC1 1,454/3,000 · 8 LPARs · 99% NSC2 1,521/2,600 · 8 LPARs · 100% NSC3 1,495/2,200 · 8 LPARs · 100% NSC4 1,542/3,400 · 8 LPARs · 100%	$188,507.00 6,012 MSU billed	$188,507.00	$0.00	$31.36	Matches
IMS DB/DC MLC · PLEX-NSC	0	on no SCRT report	$72,117.00 240 MSU billed	$0.00	$72,117.00	—	Billed, no usage on any report audit: Stale product
NetView MLC · PLEX-NSC	6,716	NSC1 1,637/3,000 · 8 LPARs · 99% NSC2 1,676/2,600 · 8 LPARs · 100% NSC3 1,683/2,200 · 8 LPARs · 100% NSC4 1,720/3,400 · 8 LPARs · 100%	$107,495.00 6,716 MSU billed	$107,495.00	$0.00	$16.01	Matches audit: Running without a license
OMEGAMON MLC · PLEX-NSC	6,716	NSC1 1,637/3,000 · 8 LPARs NSC2 1,676/2,600 · 8 LPARs NSC3 1,683/2,200 · 8 LPARs NSC4 1,720/3,400 · 8 LPARs	$110,903.00 6,716 MSU billed	$110,903.00	$0.00	$16.51	Matches
System Automation MLC · PLEX-NSC	6,716	NSC1 1,637/3,000 · 8 LPARs · 99% NSC2 1,676/2,600 · 8 LPARs · 100% NSC3 1,683/2,200 · 8 LPARs · 100% NSC4 1,720/3,400 · 8 LPARs · 100%	$78,286.00 6,716 MSU billed	$78,286.00	$0.00	$11.66	Matches
z/OS MLC · PLEX-SSC	9,046	SSC1 1,880/2,600 · 8 LPARs · 100% SSC2 1,686/3,400 · 8 LPARs · 100% SSC3 1,773/3,400 · 8 LPARs · 100% SSC4 3,707/2,200 · 8 LPARs · 100%	$473,451.00 9,046 MSU billed	$473,451.00	$0.00	$52.34	Matches audit: Month-over-month jump

Product	Used MSUs	Each machine: MSUs used / rated, LPARs, highest activity	Invoiced	Usage supports	Difference	$/MSU	Status
CICS TS MLC · PLEX-SSC	6,138	SSC1 1,677/2,600 · 8 LPARs · 100% SSC2 1,507/3,400 · 8 LPARs · 100% SSC3 1,457/3,400 · 8 LPARs · 100% SSC4 1,497/2,200 · 8 LPARs · 100%	$363,065.00 6,138 MSU billed	$317,272.00	$45,793.00	$59.15	Charged above usage audit: Tier arithmetic
Db2 for z/OS MLC · PLEX-SSC	7,024	SSC1 1,880/2,600 · 8 LPARs · 100% SSC2 1,686/3,400 · 8 LPARs · 100% SSC3 1,773/3,400 · 8 LPARs · 100% SSC4 1,685/2,200 · 8 LPARs · 100%	$503,985.00 7,164 MSU billed	$496,845.00	$7,140.00	$71.75	Charged above usage audit: Invoice vs report
IBM MQ MLC · PLEX-SSC	6,138	SSC1 1,677/2,600 · 8 LPARs · 100% SSC2 1,507/3,400 · 8 LPARs · 100% SSC3 1,457/3,400 · 8 LPARs · 100% SSC4 1,497/2,200 · 8 LPARs · 100%	$191,279.00 6,138 MSU billed	$191,279.00	$0.00	$31.16	Matches
IMS DB/DC MLC · PLEX-SSC	2,978	SSC1 1,518/2,600 · 8 LPARs · 100% SSC2 1,460/3,400 · 8 LPARs · 100%	$264,170.00 2,978 MSU billed	$264,170.00	$0.00	$88.71	Matches audit: Licensed, not running
NetView MLC · PLEX-SSC	7,024	SSC1 1,880/2,600 · 8 LPARs · 100% SSC2 1,686/3,400 · 8 LPARs · 100% SSC3 1,773/3,400 · 8 LPARs · 100% SSC4 1,685/2,200 · 8 LPARs · 100%	$110,883.00 7,024 MSU billed	$110,883.00	$0.00	$15.79	Matches
OMEGAMON MLC · PLEX-SSC	6,711	SSC1 1,880/2,600 · 8 LPARs SSC2 1,686/3,400 · 8 LPARs SSC3 1,773/3,400 · 8 LPARs SSC4 1,372/2,200 · 8 LPARs	$110,848.00 6,711 MSU billed	$110,848.00	$0.00	$16.52	Matches audit: Customer MSUs override
System Automation MLC · PLEX-SSC	7,024	SSC1 1,880/2,600 · 8 LPARs · 100% SSC2 1,686/3,400 · 8 LPARs · 100% SSC3 1,773/3,400 · 8 LPARs · 100% SSC4 1,685/2,200 · 8 LPARs · 100%	$80,750.00 7,024 MSU billed	$80,750.00	$0.00	$11.50	Matches
COBOL IPLA · estate-wide	2,336	NSC1 279/3,000 · 8 LPARs · 99% NSC2 232/2,600 · 8 LPARs · 100% NSC3 287/2,200 · 8 LPARs · 100% NSC4 274/3,400 · 8 LPARs · 100% SSC1 326/2,600 · 8 LPARs · 100% SSC2 272/3,400 · 8 LPARs · 100% SSC3 387/3,400 · 8 LPARs · 100% SSC4 279/2,200 · 8 LPARs · 100%	S&S $48,330.00 a month	entitled 3,222 MSU	—	$20.69	Within entitlement
PL/I IPLA · estate-wide	2,336	NSC1 279/3,000 · 8 LPARs · 99% NSC2 232/2,600 · 8 LPARs · 100% NSC3 287/2,200 · 8 LPARs · 100% NSC4 274/3,400 · 8 LPARs · 100% SSC1 326/2,600 · 8 LPARs · 100% SSC2 272/3,400 · 8 LPARs · 100% SSC3 387/3,400 · 8 LPARs · 100% SSC4 279/2,200 · 8 LPARs · 100%	S&S $21,030.00 a month	entitled 1,402 MSU	—	$9.00	Used above the entitlement audit: IPLA entitlement shortfall
All products			**$4,151,133.00**	**$3,704,274.00**	**$446,859.00**		5 flagged

Usage is the billable MSUs on the SCRT reports; usage supports is those MSUs priced once on the contract's AWLC levels. IPLA products are held estate-wide and shown against their entitlement. Dollars use illustrative rates.

Savings options, ranked by priority, cost and benefit

5 options this month. The top one, Find what drove z/OS up on SSC4, is worth up to $85.1K a month.

Each option is priced alone against this month, with no other option applied. SSA can take them one at a time, and each stands on its own. Two options on the same product peak can save less together than their sum, so the benefits are not added up. Priority is the yearly benefit divided by the effort level. Ties go to the option open longest. Effort is our assumption, a fixed level per option type (1 Low, 2 Medium, 3 High), not a measured cost. The monthly inputs carry no labor or change-management cost, so no dollar cost is assigned. Dollars use illustrative rates and are upper bounds from the report data.

#	Option	Benefit / month	Effort	Months open	How the benefit is priced
1	**Find what drove z/OS up on SSC4** Month-over-month jump · PLEX-SSC · SSC4 · z/OS	$85.1K $1.03M a year	2 Medium	1*	audit estimate (no what-if prices a month-over-month jump), only if the growth is a runaway job or misplaced work, since intended growth saves nothing
2	**Cap test LPAR SSC1L8 at 39 MSU** Test LPAR at peak · PLEX-SSC · SSC1 · SSC1L8	$22.7K $271.3K a year	2 Medium	1*	what-if: cap SSC1L8 at 39 MSU
3	**Stop CICS TS in NSC3L3** Idle product · PLEX-NSC · NSC3 · NSC3L3 · CICS TS	$9K $108K a year	1 Low	1*	what-if: remove CICS TS from NSC3L3
4	**Cap SSC3L7 at 148 MSU** Unexpected peak · PLEX-SSC · SSC3 · SSC3L7	$13.8K $165.6K a year	2 Medium	1*	what-if: cap SSC3L7 at 148 MSU
5	**Retire the unused IMS DB/DC license on SSC4** Licensed, not running · PLEX-SSC · SSC4 · IMS DB/DC	not estimable	2 Medium	1*	not estimable, because no Subscription and Support rate is among the inputs

* Months open needs the audit history (python3 mba.py history); this report was run on one month.

New or Changed Pricing Model Report

4 of 8 IBM announcements in the register touch products on this estate's SCRT reports. Changes still to come are listed first.

Trigger: the SCRT reports show an unplanned capacity increase this month (2 findings: SSC3 · SSC3L7; SSC4 · z/OS), which is when the SOW calls for this report.

AD25-0148: Technology Transition Offerings for the IBM z17 offer price-performance advantages

New pricing offering · announced 2025-04-08; effective 2025-06-18 · https://www.ibm.com/docs/en/announcements/technology-transition-offerings-z17-offer-price-performance-advantages

IBM's words. "Technology Update Pricing for the IBM z17 uses the reporting mechanisms and existing Millions of Service Units per hour (MSU) tiers of the Advanced Workload License Charges (AWLC) or Country Multiplex License Charges (CMLC) pricing metrics while extending the software price-performance provided for the IBM z17."

Scope (our summary). A lower AWLC or CMLC price for z/OS and its middleware when they run on an IBM z17.

Condition. Applies only on an IBM z17, and to a sysplex only once every machine in it is a z17.

Product	Product ID	License entitlement	MSUs on SCRT, by machine	Scope and magnitude here	Matched on
CICS TS (conditional)	SYN-CICS Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,454, NSC2 1,521, NSC3 1,476, NSC4 1,542, SSC1 1,677, SSC2 1,507, SSC3 1,457, SSC4 1,497	12,131 MSUs across 8 machines this month. Available from 2025-06-18, 478 days ago.	product name: CICS, as the letter names it
Db2 for z/OS (conditional)	SYN-DB2 Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,637, NSC2 1,676, NSC3 1,683, NSC4 1,720, SSC1 1,880, SSC2 1,686, SSC3 1,773, SSC4 1,685	13,740 MSUs across 8 machines this month. Available from 2025-06-18, 478 days ago.	product name: Db2, as the letter names it
IMS DB/DC (conditional)	SYN-IMS Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	SSC1 1,518, SSC2 1,460	2,978 MSUs across 2 machines this month. Available from 2025-06-18, 478 days ago.	product name: IMS, as the letter names it

Product	Product ID	License entitlement	MSUs on SCRT, by machine	Scope and magnitude here	Matched on
z/OS (conditional)	5650-ZOS Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,637, NSC2 1,676, NSC3 1,683, NSC4 1,720, SSC1 1,880, SSC2 1,686, SSC3 1,773, SSC4 3,707	15,762 MSUs across 8 machines this month. Available from 2025-06-18, 478 days ago.	product name: z/OS, as the letter names it

Analysis by product. Nothing changes on the current machines. A machine replaced by a z17 is billed on the same SCRT MSUs at the reduced z17 price. A pricing plex that mixes z17 and older machines gets only part of that benefit, through IBM's transition charges.

Recommendation. When pricing a machine replacement, run the replace-machine what-if at the z17's rating and apply IBM's z17 reduction from this letter, and plan whole-plex upgrades to get the full aggregated price.

AD25-0071: Software support discontinuance: IBM Z platform select programs - Some replacements available1Q2025

Support ends · announced 2025-02-04; effective 2026-09-30 · https://www.ibm.com/docs/en/announcements/software-support-discontinuance-z-platform-select-programs-some-replacements-available1q2025

IBM's words. "Effective on the dates shown, IBM will discontinue support for the following programs, releases, or features as licensed under the applicable IBM agreement."

Scope (our summary). Standard support for z/OS 2.5 ends on 30 September 2026. IBM names z/OS 3.1 (5655-ZOS) as the replacement. Its lifecycle page lists an extension of up to 3 years under the Enhanced policy.

Product	Product ID	License entitlement	MSUs on SCRT, by machine	Scope and magnitude here	Matched on
z/OS	5650-ZOS Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,637, NSC2 1,676, NSC3 1,683, NSC4 1,720, SSC1 1,880, SSC2 1,686, SSC3 1,773, SSC4 3,707	15,762 MSUs across 8 machines this month. Support ends 2026-09-30, 9 days ago.	program number: 5650-ZOS IBM z/OS

Analysis by product. The license stays in force, but after 30 September 2026 IBM takes no new problem reports for this release unless an extended-support arrangement is in place. Moving to z/OS 3 changes the program number the SCRT reports and the invoice carry.

Recommendation. Decide before 30 September 2026 between moving to z/OS 3 and arranging extended support with IBM, and price both. Note that z/OS 3.1 was itself withdrawn from marketing on 26 January 2026 (AD25-0925), so a new order would be z/OS 3.2.

AD24-2252: Price Change(s): Selected IBM Z MLC Software Products

Price change · announced 2024-09-03; effective 2025-01-01 · https://www.ibm.com/docs/en/announcements/price-changes-selected-z-mlc-software-products

IBM's words. "IBM® announces increases in monthly license charges (MLC) on select operating systems and select middleware software programs and their features."

Scope (our summary). Monthly license charges rise about 6% for the programs on IBM's list, on the listed MLC metrics only, from 1 January 2025.

Product	Product ID	License entitlement	MSUs on SCRT, by machine	Scope and magnitude here	Matched on
CICS TS	SYN-CICS Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,454, NSC2 1,521, NSC3 1,476, NSC4 1,542, SSC1 1,677, SSC2 1,507, SSC3 1,457, SSC4 1,497	12,131 MSUs across 8 machines this month. IBM puts the increase at about 6%. On this month's charge of $675,262 that is about $40,516 a month (illustrative prices).	product name: 5655S97 CICS TS for z/OS, 5655Y04 CICS TS for z/OS, 5655YA1 CICS TS for z/OS V 6, 5655M15 CICS TS for z/OS V3 ...

Product	Product ID	License entitlement	MSUs on SCRT, by machine	Scope and magnitude here	Matched on
Db2 for z/OS	SYN-DB2 Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,637, NSC2 1,676, NSC3 1,683, NSC4 1,720, SSC1 1,880, SSC2 1,686, SSC3 1,773, SSC4 1,685	13,740 MSUs across 8 machines this month. IBM puts the increase at about 6%. On this month's charge of $985,122 that is about $59,107 a month (illustrative prices).	product name: 5605DB2 DB2 10 for z/OS, 5615DB2 DB2 11 for z/OS, 5650DB2 DB2 12 for z/OS, 5698DB2 Db2 13 for z/OS ...
IBM MQ	SYN-MQ Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,454, NSC2 1,521, NSC3 1,495, NSC4 1,542, SSC1 1,677, SSC2 1,507, SSC3 1,457, SSC4 1,497	12,150 MSUs across 8 machines this month. IBM puts the increase at about 6%. On this month's charge of $379,786 that is about $22,787 a month (illustrative prices).	product name: 5655MQ9 MQ for z/OS V9, 5697MQZ Web MQ Ext Sec Ed z/OS, 5655R36 WebSphere MQ for z/OS V7, 5655W97 Websphere MQ for z/OS V8 ...
IMS DB/ DC	SYN-IMS Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	SSC1 1,518, SSC2 1,460	2,978 MSUs across 2 machines this month. IBM puts the increase at about 6%. On this month's charge of $336,287 that is about $20,177 a month (illustrative prices).	product name: 5635A04 IMS V 13, 5635A03 IMS V12, 5635A05 IMS V14, 5635A06 IMS V15 ...
NetView	SYN-NETV Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,637, NSC2 1,676, NSC3 1,683, NSC4 1,720, SSC1 1,880, SSC2 1,686, SSC3 1,773, SSC4 1,685	13,740 MSUs across 8 machines this month. IBM puts the increase at about 6%. On this month's charge of $218,378 that is about $13,103 a month (illustrative prices). The licensing metric on NSC1 is not in the license inventory, so that holding is not checked. The charge above is the product's whole invoice line, which also covers those other holdings, so the covered share is smaller and not known.	product name: 5697ENV Tivoli NetView for z/OS, 5697NV6 Tivoli NetView for z/OS, 5685016 NetView DM for MVS, 5685108 NetView File Trans Prog V2 M ...
z/OS	5650-ZOS Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,637, NSC2 1,676, NSC3 1,683, NSC4 1,720, SSC1 1,880, SSC2 1,686, SSC3 1,773, SSC4 3,707	15,762 MSUs across 8 machines this month. IBM puts the increase at about 6%. On this month's charge of $1,175,511 that is about $70,531 a month (illustrative prices).	program number: 5650ZOS z/OS V2

Analysis by product. The product's monthly charge rises by about 6% at the same MSUs. IPLA one-time charges are not part of this letter.

Recommendation. Confirm the invoice rates for this product moved on 1 January 2025 and not before, and check whether the contract's price-protection terms cover it, as the letter allows.

AD23-0236: Software withdrawal and support discontinuance: Select IBM zSystems platform programs - Some replacements available

Withdrawn from marketing · announced 2023-06-06; effective 2024-01-29 · https://www.ibm.com/docs/en/announcements/software-withdrawal-select-zsystems-platform-programs-some-replacements-available-2023-06-06

IBM's words. "Orders for these programs will not be accepted after the stated effective date of withdrawal."

Scope (our summary). z/OS 2.5 could not be ordered after 29 January 2024. Installed copies kept their service.

Product	Product ID	License entitlement	MSUs on SCRT, by machine	Scope and magnitude here	Matched on
z/OS	5650-ZOS Function ID: not in the inputs	MLC - AWLC, monthly on SCRT MSUs	NSC1 1,637, NSC2 1,676, NSC3 1,683, NSC4 1,720, SSC1 1,880, SSC2 1,686, SSC3 1,773, SSC4 3,707	15,762 MSUs across 8 machines this month. Withdrawn from marketing 2024-01-29, 984 days ago.	program number: 5650-ZOS IBM z/OS

Analysis by product. No change to the monthly charge. A machine added to the estate cannot get a new z/OS 2.5 license, so growth lands on z/OS 3.

Recommendation. Plan any new machine or LPAR on z/OS 3 and expect a second z/OS program number on the SCRT report and the invoice while both run.

Checked, no match on this estate

- **AD26-0646** (2026-07-07): Technology Transition Offerings for the IBM z17 ME2 single frame and the IBM z17 MER rack mount bundle offer price-performance advantages. The only products it names are billed under other metrics: CICS TS (AWLC), Db2 for z/OS (AWLC), IMS DB/DC (AWLC), z/OS (AWLC). The letter is limited to AEWLC.
- **AD26-0348** (2026-03-31): Withdrawal of sub-capacity pricing offerings: IBM Integrated Workload Pricing, IBM z Systems Collocated Application Pricing, IBM Mobile Workload Pricing, and IBM z Systems Workload Pricing for Cloud. None of IWP, zCAP, MWP, zWPC is named for any product in the license inventory.
- **AD25-0005** (2025-07-22): IBM z/OS 3.2 unlocks the value of IBM z17. No product on the SCRT reports carries program number 5655-ZOS.
- **AD25-0925** (2025-06-03): Software withdrawal: Select IBM Z platform programs. No product on the SCRT reports carries program number 5655-ZOS.

The register lists only IBM announcement letters opened on ibm.com and saved with the audit (SOURCE-IBM/announcements/). IBM's words are quoted exactly and checked against the saved pages. Scope, analysis and recommendations are ours. A match on product name, not program number, means the program number should be confirmed against the letter. Dollar figures use illustrative rates.

Upcoming renewals: the next 30, 60 and 90 days

3 renewals in the next 90 days, $50.65M a year between them. Counted from 2026-10-09.

Window	Renewals	Annual amount
0-30 days	1	$580K
31-60 days	1	$252K
61-90 days	1	$49.81M
Later than 90 days	2	$49.84M

Date	Days away	Window	What renews	Kind	Annual amount
2026-11-02	24	within 30	**COBOL** SYN-COBOL	IPLA S&S anniversary S&S year from 2026-11-02; license began 2023-11-02	$580K
2026-11-25	47	within 60	**PL/I** SYN-PLI	IPLA S&S anniversary S&S year from 2026-11-25; license began 2023-11-25	$252K
2026-12-16	68	within 90	**SYNTHETIC IBM software order: Option year 3**	Contract option year exercise before 2026-12-16; runs 2026-12-16 to 2027-12-15	$49.81M
2027-07-20	284	later	**Db2 Admin Tool** SYN-DB2AT	IPLA S&S anniversary S&S year from 2027-07-20; license began 2021-07-20	$26K
2027-12-16	433	later	**SYNTHETIC IBM software order: Option year 4**	Contract option year exercise before 2027-12-16; runs 2027-12-16 to 2028-12-15	$49.81M

Dates and amounts come from contract-dates.json, your own record. The windows follow the 30/60/90-day forecast in the JSP deliverables table. Amounts in the synthetic demo are illustrative, not IBM prices.

Workload plan, priced step by step

Each step sets one application's level against this month; every step is priced with the earlier ones in force. Today's monthly charge $3.70M; after the last step $3.31M, a change of -$396K a month (-$4.75M a year), at the contract rates supplied (illustrative in the synthetic demo). Basis: estimate from report data (peak hour; savings are an upper bound, growth has a worst case). Assumes: the application's share of each LPAR is the same in every hour of the month, and the work that stays uses the same MSUs; shares come from the customer's applications.json.

When	Step	Monthly charge after	Change vs today	Worst case	Products off the bill
2027-01	the whole estate grows by 4% an added encryption layer raises CPU use across the estate (illustrative 4%)	$3.80M	$97K	$97K	-
2027-06	DEBT-MGMT-BATCH leaves the mainframe the batch run moves to a distributed platform	$3.80M	$91K	$97K	-
2027-10	BENEFITS-ONLINE is tuned down by 15% COBOL and Db2 tuning	$3.72M	$16K	$97K	-
2028-06	LEGACY-IMS leaves the mainframe the rewritten application goes live and IMS is retired	$3.31M	-$396K	-$173K	IMS DB/DC (PLEX-SSC)

Monthly Software Analysis and Inventory Report

2 of 83 machine-product pairs checked do not match: installed (on the machine's SCRT report) against licensed (on file in the license inventory).

Machine	Product	Status	Evidence	Action
SSC4	IMS DB/DC	**Licensed, not running**	IMS DB/DC is licensed for SSC4 (MLC) but IMS DB/DC appears on neither this month's or last month's SCRT report for SSC4	Confirm nothing runs IMS DB/DC on SSC4; if so, retire the license or its Subscription and Support at the next renewal.
NSC1	NetView	**Running without a license**	NetView ran at 1,637 MSU on NSC1's SCRT report this month, and the license inventory lists no license for it on NSC1	Find the license that covers NetView on NSC1 and add it to the inventory, or stop running it there before IBM's records and ours are compared.

Inventory, machine by machine

Machine	Product name	Product ID / Function ID	License type	License entitlement	Primary product	LPARs where it ran	Cost metrics	Installed vs licensed
NSC1	z/OS	5650-ZOS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1-L8	1,637 MSU; PLEX-NSC line $702K for 6,716 MSU	Matches
NSC1	CICS TS	SYN-CICS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1-L5, L8	1,454 MSU; PLEX-NSC line $312K for 5,993 MSU	Matches
NSC1	COBOL	SYN-COBOL	IPLA, Sub-Cap	Execution-based, one-time charge; 3,222 MSU estate-wide	same	L6-L7	279 MSU	Matches
NSC1	Db2 for z/OS	SYN-DB2	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1-L8	1,637 MSU; PLEX-NSC line $481K for 6,716 MSU	Matches
NSC1	IBM MQ	SYN-MQ	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1-L5, L8	1,454 MSU; PLEX-NSC line $189K for 6,012 MSU	Matches
NSC1	NetView	SYN-NETV	none on file	none on file	same	L1-L8	1,637 MSU; PLEX-NSC line $107K for 6,716 MSU	**Running without a license**
NSC1	OMEGAMON	SYN-OMEG	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1-L8 (at peak; NO89)	1,637 MSU; PLEX-NSC line $111K for 6,716 MSU	Matches
NSC1	PL/I	SYN-PLI	IPLA, Sub-Cap	Execution-based, one-time charge; 1,402 MSU estate-wide	same	L6-L7	279 MSU	Matches
NSC1	System Automation	SYN-SA	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1-L8	1,637 MSU; PLEX-NSC line $78K for 6,716 MSU	Matches
NSC1	Db2 Admin Tool	SYN-DB2AT	IPLA, Sub-Cap	Reference-based, on Db2 for z/OS capacity	Db2 for z/OS	via Db2 for z/OS	none reported	Matches
NSC2	z/OS	5650-ZOS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1-L8	1,676 MSU; PLEX-NSC line $702K for 6,716 MSU	Matches
NSC2	CICS TS	SYN-CICS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1-L5, L8	1,521 MSU; PLEX-NSC line $312K for 5,993 MSU	Matches

Machine	Product name	Product ID / Function ID	License type	License entitlement	Primary product	LPARs where it ran	Cost metrics	Installed vs licensed
NSC2	COBOL	SYN-COBOL	IPLA, Sub-Cap	Execution-based, one-time charge; 3,222 MSU estate-wide	same	L6–L7	232 MSU	Matches
NSC2	Db2 for z/OS	SYN-DB2	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,676 MSU; PLEX-NSC line $481K for 6,716 MSU	Matches
NSC2	IBM MQ	SYN-MQ	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,521 MSU; PLEX-NSC line $189K for 6,012 MSU	Matches
NSC2	NetView	SYN-NETV	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,676 MSU; PLEX-NSC line $107K for 6,716 MSU	Matches
NSC2	OMEGAMON	SYN-OMEG	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8 (at peak; NO89)	1,676 MSU; PLEX-NSC line $111K for 6,716 MSU	Matches
NSC2	PL/I	SYN-PLI	IPLA, Sub-Cap	Execution-based, one-time charge; 1,402 MSU estate-wide	same	L6–L7	232 MSU	Matches
NSC2	System Automation	SYN-SA	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,676 MSU; PLEX-NSC line $78K for 6,716 MSU	Matches
NSC2	Db2 Admin Tool	SYN-DB2AT	IPLA, Sub-Cap	Reference-based, on Db2 for z/OS capacity	Db2 for z/OS	via Db2 for z/OS	none reported	Matches
NSC3	z/OS	5650–ZOS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,683 MSU; PLEX-NSC line $702K for 6,716 MSU	Matches
NSC3	CICS TS	SYN-CICS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,476 MSU; PLEX-NSC line $312K for 5,993 MSU	Matches
NSC3	COBOL	SYN-COBOL	IPLA, Sub-Cap	Execution-based, one-time charge; 3,222 MSU estate-wide	same	L6–L7	287 MSU	Matches
NSC3	Db2 for z/OS	SYN-DB2	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,683 MSU; PLEX-NSC line $481K for 6,716 MSU	Matches
NSC3	IBM MQ	SYN-MQ	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,495 MSU; PLEX-NSC line $189K for 6,012 MSU	Matches
NSC3	NetView	SYN-NETV	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,683 MSU; PLEX-NSC line $107K for 6,716 MSU	Matches
NSC3	OMEGAMON	SYN-OMEG	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8 (at peak; NO89)	1,683 MSU; PLEX-NSC line $111K for 6,716 MSU	Matches
NSC3	PL/I	SYN-PLI	IPLA, Sub-Cap	Execution-based, one-time charge; 1,402 MSU estate-wide	same	L6–L7	287 MSU	Matches
NSC3	System Automation	SYN-SA	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,683 MSU; PLEX-NSC line $78K for 6,716 MSU	Matches
NSC3	Db2 Admin Tool	SYN-DB2AT	IPLA, Sub-Cap	Reference-based, on Db2 for z/OS capacity	Db2 for z/OS	via Db2 for z/OS	none reported	Matches
NSC4	z/OS	5650–ZOS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,720 MSU; PLEX-NSC line $702K for 6,716 MSU	Matches
NSC4	CICS TS	SYN-CICS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,542 MSU; PLEX-NSC line $312K for 5,993 MSU	Matches
NSC4	COBOL	SYN-COBOL	IPLA, Sub-Cap	Execution-based, one-time charge; 3,222 MSU estate-wide	same	L6–L7	274 MSU	Matches
NSC4	Db2 for z/OS	SYN-DB2	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,720 MSU; PLEX-NSC line $481K for 6,716 MSU	Matches
NSC4	IBM MQ	SYN-MQ	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,542 MSU; PLEX-NSC line $189K for 6,012 MSU	Matches
NSC4	NetView	SYN-NETV	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,720 MSU; PLEX-NSC line $107K for 6,716 MSU	Matches
NSC4	OMEGAMON	SYN-OMEG	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8 (at peak; NO89)	1,720 MSU; PLEX-NSC line $111K for 6,716 MSU	Matches

Machine	Product name	Product ID / Function ID	License type	License entitlement	Primary product	LPARs where it ran	Cost metrics	Installed vs licensed
NSC4	PL/I	SYN-PLI	IPLA, Sub-Cap	Execution-based, one-time charge; 1,402 MSU estate-wide	same	L6–L7	274 MSU	Matches
NSC4	System Automation	SYN-SA	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,720 MSU; PLEX-NSC line $78K for 6,716 MSU	Matches
NSC4	Db2 Admin Tool	SYN-DB2AT	IPLA, Sub-Cap	Reference-based, on Db2 for z/OS capacity	Db2 for z/OS	via Db2 for z/OS	none reported	Matches
SSC1	z/OS	5650–ZOS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,880 MSU; PLEX-SSC line $473K for 9,046 MSU	Matches
SSC1	CICS TS	SYN-CICS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,677 MSU; PLEX-SSC line $363K for 6,138 MSU	Matches
SSC1	COBOL	SYN-COBOL	IPLA, Sub-Cap	Execution-based, one-time charge; 3,222 MSU estate-wide	same	L6–L7	326 MSU	Matches
SSC1	Db2 for z/OS	SYN-DB2	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,880 MSU; PLEX-SSC line $504K for 7,164 MSU	Matches
SSC1	IBM MQ	SYN-MQ	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,677 MSU; PLEX-SSC line $191K for 6,138 MSU	Matches
SSC1	IMS DB/DC	SYN-IMS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5	1,518 MSU; PLEX-SSC line $264K for 2,978 MSU	Matches
SSC1	NetView	SYN-NETV	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,880 MSU; PLEX-SSC line $111K for 7,024 MSU	Matches
SSC1	OMEGAMON	SYN-OMEG	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8 (at peak; NO89)	1,880 MSU; PLEX-SSC line $111K for 6,711 MSU	Matches
SSC1	PL/I	SYN-PLI	IPLA, Sub-Cap	Execution-based, one-time charge; 1,402 MSU estate-wide	same	L6–L7	326 MSU	Matches
SSC1	System Automation	SYN-SA	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,880 MSU; PLEX-SSC line $81K for 7,024 MSU	Matches
SSC1	Db2 Admin Tool	SYN-DB2AT	IPLA, Sub-Cap	Reference-based, on Db2 for z/OS capacity	Db2 for z/OS	via Db2 for z/OS	none reported	Matches
SSC2	z/OS	5650–ZOS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,686 MSU; PLEX-SSC line $473K for 9,046 MSU	Matches
SSC2	CICS TS	SYN-CICS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,507 MSU; PLEX-SSC line $363K for 6,138 MSU	Matches
SSC2	COBOL	SYN-COBOL	IPLA, Sub-Cap	Execution-based, one-time charge; 3,222 MSU estate-wide	same	L6–L7	272 MSU	Matches
SSC2	Db2 for z/OS	SYN-DB2	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,686 MSU; PLEX-SSC line $504K for 7,164 MSU	Matches
SSC2	IBM MQ	SYN-MQ	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,507 MSU; PLEX-SSC line $191K for 6,138 MSU	Matches
SSC2	IMS DB/DC	SYN-IMS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5	1,460 MSU; PLEX-SSC line $264K for 2,978 MSU	Matches
SSC2	NetView	SYN-NETV	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,686 MSU; PLEX-SSC line $111K for 7,024 MSU	Matches
SSC2	OMEGAMON	SYN-OMEG	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8 (at peak; NO89)	1,686 MSU; PLEX-SSC line $111K for 6,711 MSU	Matches
SSC2	PL/I	SYN-PLI	IPLA, Sub-Cap	Execution-based, one-time charge; 1,402 MSU estate-wide	same	L6–L7	272 MSU	Matches
SSC2	System Automation	SYN-SA	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,686 MSU; PLEX-SSC line $81K for 7,024 MSU	Matches
SSC2	Db2 Admin Tool	SYN-DB2AT	IPLA, Sub-Cap	Reference-based, on Db2 for z/OS capacity	Db2 for z/OS	via Db2 for z/OS	none reported	Matches

Machine	Product name	Product ID / Function ID	License type	License entitlement	Primary product	LPARs where it ran	Cost metrics	Installed vs licensed
SSC3	z/OS	5650-ZOS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,773 MSU; PLEX-SSC line $473K for 9,046 MSU	Matches
SSC3	CICS TS	SYN-CICS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,457 MSU; PLEX-SSC line $363K for 6,138 MSU	Matches
SSC3	COBOL	SYN-COBOL	IPLA, Sub-Cap	Execution-based, one-time charge; 3,222 MSU estate-wide	same	L6–L7	387 MSU	Matches
SSC3	Db2 for z/OS	SYN-DB2	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,773 MSU; PLEX-SSC line $504K for 7,164 MSU	Matches
SSC3	IBM MQ	SYN-MQ	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,457 MSU; PLEX-SSC line $191K for 6,138 MSU	Matches
SSC3	NetView	SYN-NETV	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,773 MSU; PLEX-SSC line $111K for 7,024 MSU	Matches
SSC3	OMEGAMON	SYN-OMEG	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8 (at peak; NO89)	1,773 MSU; PLEX-SSC line $111K for 6,711 MSU	Matches
SSC3	PL/I	SYN-PLI	IPLA, Sub-Cap	Execution-based, one-time charge; 1,402 MSU estate-wide	same	L6–L7	387 MSU	Matches
SSC3	System Automation	SYN-SA	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,773 MSU; PLEX-SSC line $81K for 7,024 MSU	Matches
SSC3	Db2 Admin Tool	SYN-DB2AT	IPLA, Sub-Cap	Reference-based, on Db2 for z/OS capacity	Db2 for z/OS	via Db2 for z/OS	none reported	Matches
SSC4	z/OS	5650-ZOS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	3,707 MSU; PLEX-SSC line $473K for 9,046 MSU	Matches
SSC4	CICS TS	SYN-CICS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,497 MSU; PLEX-SSC line $363K for 6,138 MSU	Matches
SSC4	COBOL	SYN-COBOL	IPLA, Sub-Cap	Execution-based, one-time charge; 3,222 MSU estate-wide	same	L6–L7	279 MSU	Matches
SSC4	Db2 for z/OS	SYN-DB2	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,685 MSU; PLEX-SSC line $504K for 7,164 MSU	Matches
SSC4	IBM MQ	SYN-MQ	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L5, L8	1,497 MSU; PLEX-SSC line $191K for 6,138 MSU	Matches
SSC4	NetView	SYN-NETV	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,685 MSU; PLEX-SSC line $111K for 7,024 MSU	Matches
SSC4	OMEGAMON	SYN-OMEG	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8 (at peak; NO89)	1,685 MSU; PLEX-SSC line $111K for 6,711 MSU	Matches
SSC4	PL/I	SYN-PLI	IPLA, Sub-Cap	Execution-based, one-time charge; 1,402 MSU estate-wide	same	L6–L7	279 MSU	Matches
SSC4	System Automation	SYN-SA	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	L1–L8	1,685 MSU; PLEX-SSC line $81K for 7,024 MSU	Matches
SSC4	Db2 Admin Tool	SYN-DB2AT	IPLA, Sub-Cap	Reference-based, on Db2 for z/OS capacity	Db2 for z/OS	via Db2 for z/OS	none reported	Matches
SSC4	IMS DB/DC	SYN-IMS	MLC, Sub-Cap	AWLC, monthly on SCRT MSUs	same	not on report	none reported	**Licensed, not running**

Where each Task 4 field comes from

Field (SOW Task 4)	Source, or why it is not filled
Product name	SCRT E5 section and the license inventory
Product ID, Function ID	Product ID from SCRT E5 and the inventory. Function ID is shown only when the license inventory supplies one: the SCRT report carries product IDs, not function IDs
License entitlement	The license inventory; IPLA capacity from ipla-entitlements.json

Field (SOW Task 4)	Source, or why it is not filled
Primary product	The parent product of a reference-based IPLA license (SCRT guide L1141–1145); "same" means the product is its own primary product
Machine and Product Cross Reference	One row per machine and product, with the LPARs where it ran (SCRT Q5, or P5 for NO89 products)
Product license type (IPLA, MLC, zNALC, Sub-Cap)	The license inventory
Cost metrics	This month's billable MSUs (SCRT E5) and the product's invoice line for the pricing plex. Not filled: annual Subscription and Support charges, because no S&S rate is among the inputs

How these numbers are made. The audit reads only the month's SCRT sub-capacity reports (sections E5, H4, H6, N5, N7, P5 and Q5 as defined in IBM's SCRT User's Guide), the IBM invoice, the contract's per-MSU rates, SSA's LPAR inventory and, when supplied, the IPLA entitlements and the license inventory. Overcharges are exact: the invoice arithmetic is recomputed on IBM's published cumulative AWLC levels with sysplex aggregation. Savings and exposure are upper bounds, because a report shows each product's peak hour but not every other hour. No AI model reads the input files; the audit is deterministic code.

Business case 1. Find what drove z/OS up on SSC4

Bottom line. Find what drove z/OS up on SSC4 saves up to $85.1K a month ($1.03M a year) at medium effort. It pays only if the growth is a runaway job or misplaced work, since intended growth saves nothing. Ranked 1 of 5, it needs no other option done first. It is an alternative to option 2 (Cap test LPAR SSC1L8 at 39 MSU), which acts on the same work: do one or the other, and their savings do not add. It is an alternative to option 4 (Cap SSC3L7 at 148 MSU), which acts on the same work: do one or the other, and their savings do not add.

What we found	z/OS on SSC4 reported 3707 MSU this month vs 1581 MSU last month (2.3×), while the machine's rated capacity stayed 2200 MSU
What to do	Investigate before next month's SCRT submission -- confirm it's intended growth, not a runaway job or a workload moved onto this machine.
How the benefit is priced	Audit estimate (no what-if prices a month-over-month jump).
MSUs that change	Not modeled.
IBM rule applied	None. The benefit is the audit's own estimate.
Effort (our assumption)	Medium (level 2). Trace the growth to a job, a new workload or a moved one before the next SCRT submission, then decide whether to cap or move it.
Open for	Unknown, because only one month was audited. The history report counts it.
How to confirm it worked	In next month's SCRT report, the product's MSUs on this machine should fall back near last month's.
Basis	Upper bound, at illustrative rates, not IBM pricing.

Business case 2. Cap test LPAR SSC1L8 at 39 MSU

Bottom line. Cap test LPAR SSC1L8 at 39 MSU saves up to $22.7K a month ($271.3K a year) at medium effort. Ranked 2 of 5, it needs no other option done first. It is an alternative to option 1 (Find what drove z/OS up on SSC4), which acts on the same work: do one or the other, and their savings do not add. It is an alternative to option 4 (Cap SSC3L7 at 148 MSU), which acts on the same work: do one or the other, and their savings do not add.

What we found	TEST LPAR SSC1L8 contributed up to 166 MSU at the peak of 7 products; its average hour is 28 MSU
What to do	Move load tests on SSC1L8 off the production peak, or cap SSC1L8.
How the benefit is priced	The what-if "cap SSC1L8 at 39 MSU" moves the monthly charge from $3.70M to $3.68M.
MSUs that change	PLEX-SSC CICS TS 6,138 to 6,011 MSU, PLEX-SSC Db2 for z/OS 7,024 to 6,897 MSU, PLEX-SSC IBM MQ 6,138 to 6,011 MSU, PLEX-SSC NetView 7,024 to 6,897 MSU, PLEX-SSC OMEGAMON 6,711 to 6,584 MSU, PLEX-SSC System Automation 7,024 to 6,897 MSU, PLEX-SSC z/OS 9,046 to 8,919 MSU
IBM rule applied	SCRT 30.1, "Capping individual LPARs": if an LPAR's rolling 4-hour average exceeds its cap, "SCRT reports the capped value for that LPAR and IBM charges for the software at the capped level"; the Pricing Reference Guide lists "Manage software costs by managing workload utilizations" among the Sub-Capacity Benefits. IBM Z Software Pricing Reference Guide, "Sub-Capacity Eligible Products": "For MLC products, licensed capacity may increase or decrease each month. However, for IPLA products, the licensed capacity cannot decrease once the license has been purchased." IPLA products are therefore left out of the monthly charge and listed as one-time license changes. SCRT 30.1, "Product Summary Information section": for an NO89 product the Customer MSUs field "override[s] the value displayed in the Tool MSUs field" ("Customer MSU overrides are only supported for NO89 products"), so the month is priced at the Customer MSUs value, as the audit prices it, and a scenario keeps that value in the same proportion to the product's Tool MSUs; work moved to another machine carries its own proportion with it ("If you know the correct MSU value", SCRT 30.1, "Preparing to use SCRT").
Effort (our assumption)	Medium (level 2). Set a defined capacity in the LPAR's image profile, then check the next SCRT report and batch run times for work the cap delayed.
Open for	Unknown, because only one month was audited. The history report counts it.
How to confirm it worked	In next month's SCRT report, CICS TS on PLEX-SSC should be at or under 6,011 MSU, and the other 6 products listed above at or under their new figures.
Basis	Estimate from report data (upper bound), at illustrative rates, not IBM pricing.

Business case 3. Stop CICS TS in NSC3L3

Bottom line. Stop CICS TS in NSC3L3 saves up to $9K a month ($108K a year) at low effort. Ranked 3 of 5, it needs no other option done first.

What we found	CICS TS active 0.4% of the month in NSC3L3, yet NSC3L3 adds 257 MSU to its 1476 MSU peak
What to do	Stop or relocate the CICS TS task in NSC3L3; one active hour counts the whole LPAR.
How the benefit is priced	The what-if "remove CICS TS from NSC3L3" moves the monthly charge from $3.70M to $3.70M.
MSUs that change	PLEX-NSC CICS TS 5,993 to 5,736 MSU
IBM rule applied	IBM Z Software Pricing Reference Guide, "Mechanics of Sub-Capacity": LPAR capacity is "the highest rolling 4-hour average utilization of the LPAR each month in MSUs", and products running in several LPARs are charged on "the highest simultaneous rolling four-hour average utilization" of those LPARs. IBM Z Software Pricing Reference Guide, "Sub-Capacity Eligible Products": "For MLC products, licensed capacity may increase or decrease each month. However, for IPLA products, the licensed capacity cannot decrease once the license has been purchased." IPLA products are therefore left out of the monthly charge and listed as one-time license changes. SCRT 30.1, "Product Summary Information section": for an NO89 product the Customer MSUs field "override[s] the value displayed in the Tool MSUs field" ("Customer MSU overrides are only supported for NO89 products"), so the month is priced at the Customer MSUs value, as the audit prices it, and a scenario keeps that value in the same proportion to the product's Tool MSUs; work moved to another machine carries its own proportion with it ("If you know the correct MSU value", SCRT 30.1, "Preparing to use SCRT").
Effort (our assumption)	Low (level 1). One change ticket stops the product's started task in that LPAR, or moves it to an LPAR that already runs the product at its peak.
Open for	Unknown, because only one month was audited. The history report counts it.
How to confirm it worked	In next month's SCRT report, CICS TS on PLEX-NSC should be at or under 5,736 MSU.
Basis	Estimate from report data (upper bound), at illustrative rates, not IBM pricing.