

Country Multiplex License Charges (CMLC) and Multiplex zNALC (MzNALC)

[Country Multiplex Pricing \(CMP\)](#) is a sub-capacity offering that allows z/OS and z/TPF clients to use their z Systems capacity within a given country without the constraints of sysplex aggregation rules and many of the limitations of previous reporting methodologies. Pricing for all sub-capacity eligible programs under [CMP](#) will be implemented with the new CMLC price metric, or with the new MzNALC price metric for [zNALC](#) customers migrating to CMP. Pricing for non-sub-capacity eligible programs will be FWLC or TWLC.

The CMLC price metric is a cumulative level pricing metric in the same was as [AWLC](#) is. But be aware that the CMLC price metric is only one part of the CMP pricing process, please see the [Country Multiplex Pricing page](#) for additional information about the establishment and subsequent use of an MLC and MSU baseline for each program for each customer who migrates an existing system to CMP.

Country Multiplex License Charges (CMLC) and Multiplex zNALC (MzNALC) Structure (cumulative monthly pricing)

Level	MSU Range
Base charge	Up to 3 MSUs
Level 0	4 - 45 MSUs
Level 1	46 - 175 MSUs
Level 2	176 - 315 MSUs
Level 3	316 - 575 MSUs
Level 4	576 - 875 MSUs
Level 5	876 - 1315 MSUs
Level 6	1316 - 1975 MSUs
Level 7	1976 - 2499 MSUs
Level 8	2500 - 3499 MSUs
Level 9	3500 - 4999 MSUs
Level 10	5000 - 6999 MSUs
Level 11	7000 - 9999 MSUs
Level 12	10000 - 13999 MSUs
Level 13	14000+ MSUs

When non-sub-capacity eligible programs are licensed to z13, zEC12, or z196 servers the price metric used will be Flat Workload License Charges (FWLC).

When non-sub-capacity eligible programs are licensed to z13s, zBC12, or z114 servers the price metric used will be Tiered Workload License Charges (TWLC) based upon the full capacity MSUs of the server.

Tiered Entry Workload License Charges (TWLC) Structure

(flat monthly pricing based upon full capacity MSUs of the server)

Tier	MSU Range
Tier A	1 - 11 MSUs
Tier B	12 - 15 MSUs
Tier C	16 - 40 MSUs
Tier D	41 - 75 MSUs
Tier E	76 - 1500 MSUs
Tier F	1500+ MSUs

CMLC Technology Transition Offerings (TTOs)

Several Technology Transition Offerings are available for eligible [Operating Systems Families](#) (consisting of an operating system and its associated middleware programs) when running in a qualifying Country Multiplex Pricing environment. For more information about these and other TTOs, please see the [AWLC page](#).

- **Technology Update Pricing for AWLC (TU1)** extends the software price/performance of the CMLC pricing metric for customers running in a Multiplex consisting exclusively of zEC12 or zBC12 servers.
- **Technology Update Pricing for AEWLC (TU2)** extends the software price/performance of the CMLC pricing metric for customers running in a Multiplex consisting exclusively of a single zBC12 server.
- **Technology Update Pricing for the IBM z13 (TU3)** extends the software price/performance of the CMLC pricing metric for customers running in a Multiplex consisting exclusively of z13 or z13s servers.
- **Technology Update Pricing for the z13s (TU4)** extends the software price/performance of the CMLC pricing metric for customers running in a Multiplex consisting exclusively of a single z13s server.
- **Technology Update Pricing for the IBM z14 (TU5)** extends the software price/performance of the CMLC pricing metric for customers running in a Multiplex consisting exclusively of z14 servers.
- **Transition Charges for Sysplexes or Multiplexes (TC2)** provides a reduction in AWLC as customers upgrade their servers within a Multiplex with a mix of z System server technologies including one or more z14, z13, z13s, zEC12, or zBC12 servers with one or more z196 or z114 servers, with no older technology machines included.
- **Transition Charges for Sysplexes or Multiplexes (TC3)** provides a reduction in CMLC as customers upgrade their servers within a Multiplex with a mix of z System server technologies including one or more z14, z13 or z13s servers with one or more zEC12 or zBC12 servers, with no older technology machines included.
- **Transition Charges for Sysplexes or Multiplexes (TC4)** provides a reduction in CMLC as customers upgrade their servers within a Multiplex with a mix of z System server technologies including one or more z14 servers with one or more z13 or z13s servers, with no older technology machines included.

CMLC News

On 17 July 2017 IBM [announced](#) two new and one updated Technology Transition Offerings in support of the [announcement](#) of the IBM z14 (z14) server. Technology Update Pricing for the IBM z14 provides additional price performance on z14 servers compared to AWLC on older generations of servers. The enhancements to Transition Charges for Sysplexes provide additional price performance to an actively coupled z/OS Parallel Sysplex or z/TPF Loosely Coupled Complex which includes a z14 server but which is not yet made up entirely of z14 servers.

On 28 July 2015 IBM [announced](#) Country Multiplex Pricing (CMP) for z/OS and z/TPF. CMP is implemented using the Country Multiplex License Charges (CMLC) and Multiplex zNALC (MzNALC) price metrics.