

Overview of 'Value Unit Exhibits'

Each Value Unit priced product has a specific Value Unit Exhibit (VUE) that applies. The VUE defines the particular rules for converting a base unit to Value Units. There are multiple Value Unit Exhibits and each product has an applicable VUE which achieves the correct pricing characteristics for that product, as determined by IBM.

Whenever you use the Value Unit Converter Tool, you need to select the appropriate Value Unit Exhibit (VUE) for the particular Value Unit priced product in which you are interested. To determine the correct VUE, look in the IBM announcement letter for that product. You can search for IBM announcement letters [online](#).

For example, if you are trying to determine the number of Value Units needed for WebSphere Application Server for your 100 MSU z Systems mainframe, you would look at the relevant [WebSphere announcement letter \(PDF, 59KB\)](#) and search the letter for the word "Exhibit", you will find that VUE007 applies - as stated in the middle of the right hand column of page 3. Only announcement letters for new products or new versions of an existing product will indicate the applicable Value Unit Exhibit.

Listing of 'Value Unit Exhibits'

If you prefer to make the conversion calculation to Value Units on your own, use the appropriate Value Unit Exhibit, listed below.

Value Unit Exhibit 001 (VUE001)

Cumulative MSU Range	Value Units per MSU
1 - 3 MSUs	5.25 VUs/MSU
4 - 45 MSUs	.83 VUs/MSU
46 - 175 MSUs	.35 VUs/MSU
176 - 315 MSUs	.26 VUs/MSU
316+ MSUs	.2 VUs/MSU

Value Unit Exhibit 002 (VUE002)

Cumulative Message Range	Value Units per Message
1 message	250 VUs/message
2 - 10,000 messages	.0195 VUs/message
10,001 - 100,000 messages	.0053 VUs/message
100,001 - 1,000,000 messages	.0016 VUs/message
1,000,001+ messages	.0010 VUs/message

Value Unit Exhibit 007 (VUE007)

Cumulative MSU Range	Value Units per MSU
1 - 3 MSUs	1 VU/MSU
4 - 45 MSUs	.45 VUs/MSU
46 - 175 MSUs	.36 VUs/MSU
176 - 315 MSUs	.27 VUs/MSU
316+ MSUs	.2 VUs/MSU

Value Unit Exhibit 020 (VUE020)

Cumulative MSU Range	Value Units per MSU
1 - 3 MSUs	1 VU/MSU
4 - 45 MSUs	.15 VUs/MSU
46 - 175 MSUs	.08 VUs/MSU
176 - 315 MSUs	.04 VUs/MSU
316+ MSUs	.03 VUs/MSU

Value Unit Exhibit 021 (VUE021)

Cumulative Engine Range	Value Units per Engine
1 - 3 engines	10 VUs/engine
4 - 6 engines	9 VUs/engine
7 - 9 engines	8 VUs/engine
10 - 12 engines	7 VUs/engine
13 - 16 engines	6 VUs/engine
17 - 20 engines	5 VUs/engine
21 - 25 engines	4 VUs/engine
26+ engines	3 VUs/engine

Value Unit Exhibit 023 (VUE023)

Cumulative User Range	Value Units per User
1 - 5,000 users	1 VU/user
5,001 - 15,000 users	0.50 VUs/user
15,001 - 50,000 users	0.30 VUs/user
50,001 - 150,000 users	0.20 VUs/user
150,001 - 500,000 users	0.15 VUs/user
500,001 - 1,000,000 users	0.10 VUs/user
1,000,001+ users	0.05 VUs/user

Value Unit Exhibit 027 (VUE027)

Cumulative Usage Level	Value Units per Terabyte
1 - 12 terabytes	1 VU/TB
13 - 32 terabytes	0.8455 VUs/TB
33 - 64 terabytes	0.6137 VUs/TB
65 - 100 terabytes	0.4639 VUs/TB
101 - 250 terabytes	0.3870 VUs/TB
251+ terabytes	0.3097 VUs/TB

Value Unit Exhibit 028 (VUE028)

Cumulative Tape Drive Range	Value Units per Tape Drive
1 - 20 tape drives	10 VUs/tape drive
21 - 40 tape drives	9 VUs/tape drive
41 - 60 tape drives	8 VUs/tape drive
61 - 80 tape drives	7 VUs/tape drive
81 - 100 tape drives	6 VUs/tape drive
101 - 140 tape drives	5 VUs/tape drive
141 - 180 tape drives	4 VUs/tape drive
181+ tape drives	3 VUs/tape drive

Value Unit Exhibit 030 (VUE030)

Cumulative User Range	Value Units per User
1 - 5,000 users	1 VU/user
5,001 - 15,000 users	0.500 VUs/user
15,001 - 50,000 users	0.300 VUs/user
50,001 - 150,000 users	0.200 VUs/user
150,001 - 500,000 users	0.100 VUs/user
500,001 - 1,000,000 users	0.050 VUs/user
1,000,001 - 3,000,000 users	0.025 VUs/user
3,000,001+ users	0.010 VUs/user

Value Unit Exhibit 031 (VUE031)

Cumulative Usage Level	Value Units per Gigabyte
1 - 500 gigabytes	1 VU/GB
501 - 1,500 gigabytes	0.8455 VUs/GB
1,501 - 3,000 gigabytes	0.6137 VUs/GB
3,001 - 5,000 gigabytes	0.4639 VUs/GB
5,001 - 12,000 gigabytes	0.3870 VUs/GB
12,001+ gigabytes	0.3097 VUs/GB

Value Unit Exhibit 033 (VUE033)

Cumulative Usage Level	Value Units per Gigabyte
1 - 500 gigabytes	1 VU/GB
501 - 1,500 gigabytes	0.8455 VUs/GB
1,501 - 3,000 gigabytes	0.6137 VUs/GB
3,001 - 5,000 gigabytes	0.4639 VUs/GB
5,001 - 12,000 gigabytes	0.2783 VUs/GB
12,001 - 50,000 gigabytes	0.1531 VUs/GB
50,001 - 100,000 gigabytes	0.0765 VUs/GB
100,001 - 175,000 gigabytes	0.0344 VUs/GB
175,001 - 275,000 gigabytes	0.0121 VUs/GB
275,001+ gigabytes	0.0030 VUs/GB

Value Unit Exhibit 034 (VUE034)

Cumulative Conversion Unit Range	Value Units per Ten Billion Asset Conversion Units (TBA)
1 - 3 TBAs	1 VU/TBA
4 - 45 TBAs	.45 VUs/TBA
46 - 175 TBAs	.36 VUs/TBA
176 - 315 TBAs	.27 VUs/TBA
316+ TBAs	.2 VUs/TBA

Value Unit Exhibit 035 (VUE035)

Cumulative Conversion Unit Range	Value Units per Hundred Billion Asset Conversion Units (HBA)
1 - 3 HBAs	1 VU/HBA
4 - 45 HBAs	.45 VUs/HBA
46 - 175 HBAs	.36 VUs/HBA
176 - 315 HBAs	.27 VUs/HBA
316+ HBAs	.2 VUs/HBA

Value Unit Exhibit 036 (VUE036)

Cumulative Transaction Range	Value Units per Million Monthly Master Transactions (MMMT)
1 - 3 MMMTs	1 VU/MMMT
4 - 45 MMMTs	.45 VUs/MMMT
46 - 175 MMMTs	.36 VUs/MMMT
176 - 315 MMMTs	.27 VUs/MMMT
316+ MMMTs	.2 VUs/MMMT

Value Unit Exhibit 037 (VUE037)

Cumulative Simultaneous Instance Range	Value Units per Simultaneous Instance
1 - 4 Simultaneous Instances	1.0000 VU/Simultaneous Instance
5 - 10 Simultaneous Instances	0.6660 VUs/Simultaneous Instance
11 - 20 Simultaneous Instances	0.4000 VUs/Simultaneous Instance
21 - 40 Simultaneous Instances	0.2000 VUs/Simultaneous Instance
41 - 100 Simultaneous Instances	0.0660 VUs/Simultaneous Instance
101 - 250 Simultaneous Instances	0.0260 VUs/Simultaneous Instance
251 - 500 Simultaneous Instances	0.0160 VUs/Simultaneous Instance
501 - 1000 Simultaneous Instances	0.0080 VUs/Simultaneous Instance
1001 - 3000 Simultaneous Instances	0.0020 VUs/Simultaneous Instance
3001+ Simultaneous Instances	0.0007 VUs/Simultaneous Instance

Value Unit Exhibit 038 (VUE038)

Cumulative Simultaneous Instance Range	Value Units per Simultaneous Instance
1 - 4 Simultaneous Instances	1.00 VU/Simultaneous Instance
5 - 10 Simultaneous Instances	0.80 VUs/Simultaneous Instance
11 - 20 Simultaneous Instances	0.64 VUs/Simultaneous Instance
21 - 40 Simultaneous Instances	0.52 VUs/Simultaneous Instance
41 - 100 Simultaneous Instances	0.42 VUs/Simultaneous Instance
101 - 250 Simultaneous Instances	0.34 VUs/Simultaneous Instance
251 - 500 Simultaneous Instances	0.28 VUs/Simultaneous Instance
501 - 1000 Simultaneous Instances	0.23 VUs/Simultaneous Instance
1001 - 3000 Simultaneous Instances	0.19 VUs/Simultaneous Instance
3001+ Simultaneous Instances	0.16 VUs/Simultaneous Instance