

### Real World Experiences With IBM's Tailored Fit Pricing

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#### Welcome



- Thank you for coming along.
- Who are we?
  - Watson & Walker founded in 1988 by Cheryl Watson & Tom Walker.
  - Publisher of Cheryl Watson's Tuning Letter since 1991.
  - 10 people, spread over 3 continents.
  - After the Tuning Letter, our primary focus is on helping our customers understand their software bills and select the pricing options that deliver the best value for them.
  - We are completely independent, not beholden to any vendor, so we can offer objective information based on our collective experience, what we see in other customers, allowing clients to make a fully informed decision.
- This session is for you, so please ask questions as we go along.



#### DISCLAIMER



- EVERYTHING to do with software pricing comes with exceptions.
- The exceptions usually have exceptions too.
- Except when they don't. But that is exceptional too, because everything should have an exception.
- The information provided in this presentation covers most cases, with some 'wiggle room' around the edges for customizing to your environment.
- Tailored Fit Pricing is an IBM pricing option that impacts the costs of your IBM products. How any other vendors might or might not support this is a matter between you and those vendors.

#### DISCLAIMER



- Our experience is that nearly every software pricing option has a set of customers that it will be wonderful for.
- And there will also be a set that are really not a good fit for that offering.
- Therefore, the only global guidance we offer is
  - Model it (or any software pricing option) using your numbers and see how it would have affected you if you had done it 12 months ago, and how it would affect you based on your plans for the coming 12 months (at a minimum).
  - Ensure that you understand all the non-financial benefits, advantages, drawbacks, and gotchas.
  - Using all this information, make an informed decision about whether that option is right for you.
  - Don't be pushed for a decision because a salesman wants to make his quota.

### Let me tell you a story...



- Our Tesla salesman told us all the neat things about the car – all electric so better on the environment, powerful, safe, beautiful, HUGE display, fantastic sound, self-parking, self-driving, easy to go cross-country with all the charging stations
- What he didn't tell us huge key for your pocket, impossible to get into the back seat, no storage in the front for even an umbrella (let alone a purse), no place to hang a jacket or laundry, we can't go from Sarasota to Tampa (3 times a month) without charging up before and after the trip (1.5 hours total), the phone memory gets really confused with two drivers and two iPhones, and they have to tow it to Tampa (75 miles away) if we have a flat tire.



### Why the Tesla story?



- IBM has been touting Tailored Fit Pricing for nearly a year. They're like the Tesla salesman – they'll tell you all the good things.
- We're not selling TFP, but we have customers who have bought it or taken it for a spin. We can tell you the things IBM might not mention.
- This is NOT an IBM-bashing session!
- We love that IBM is providing more pricing options for our customers, and especially those options that let you grow work on z/OS, so don't walk away saying that "Cheryl said TFP was awful". It's not. We'll simply tell you what you'll learn after you drive off the lot.

#### Things to consider ...



# IBM will not provide a solution that will lower their revenues

But you might find a pricing option that will lower your costs as you grow in the future

We're learning that EVERYTHING is negotiable

### **Agenda**



- Country Multiplex Pricing (CMP)
- Tailored Fit Pricing (TFP)
  - Enterprise Capacity Solution
  - Enterprise Consumption Solution
- Other References
- Summary



### **COUNTRY MULTIPLEX PRICING (CMP)**

### **Country Multiplex Pricing (CMP)**



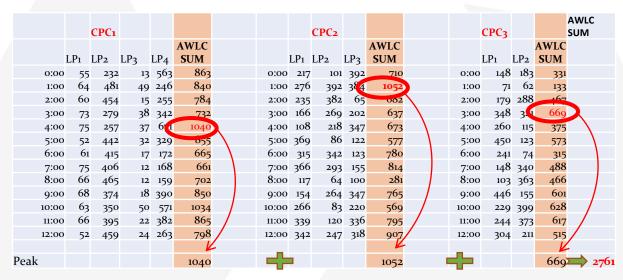
- Announced 28 July 2015 an option intended to <u>address challenges below</u> and <u>remove</u> artificial constraints to customers growing their z/OS environment intelligently.
  - IBM US Software announcement 215-230
- Solves these problems:
  - Some IBM software pricing mechanisms effectively encourage customers to configure systems in ways that make no technical sense ('Shamplexes'). This led to production and DevTest in same sysplex...BAD IDEA!
  - Pre-CMP pricing mechanisms penalized customers for moving workloads between CPCs and discouraged full exploitation of dynamic workload routing.
  - The qualification criteria for Sysplex Aggregation were complex to understand and difficult to enforce/manage.
  - The requirement that CPCs had to be in the same sysplex in order to meet the aggregation criteria limited the distance between data centers.

# CMP Basics – How Your IBM Software is Calculated



- How IBM arrives at your (pre-CMP) monthly z/OS-based software bill:
  - For each product:
    - For each CPC:
      - Identify the peak Rolling 4-Hour Interval (in MSUs) in the month for that product (A).
    - For each CPC or aggregated group:
      - Sum the 'A' values for that CPC or group.









#### **CMP – Different R4HA Calculation Method**



 When using CMP, your peak R4HA is calculated by summing the MSUs for LPARs across ALL CPCs, not on a CPC-by-CPC basis.

• The worst case is that the CMP R4HA will be the same as the pre-CMP R4HA. In

practice, it should nearly always be less.

AWLC SUM = 1040 + 1052 + 669 = 2761 CMP SUM = 2277

		CPC1							CPC2					CPC3			AWLC SUM	CMLC SUM
	LP1	LP2	LP3	LP4	AWLC SUM			LP1		LP3	AWLC SUM				LP2	AWLC SUM		
0:00	55	232	13	563	863	0	00	217	101	392	710	0:0	00	148	183	331		1904
1:00	64	481	49	246	840	1	00	276	392	384	1052	1:0	00	71	62	133		2025
2:00	60	454	15	255	784	2	00	235	382	65	682	2:0	00	179	288	467		1933
3:00	73	279	38	342	732	3	00	166	269	202	637	3:0	00	348	321	669		2038
4:00	75	257	37	671	1040	4	00	108	218	347	673	4:0	00	260	115	375		2088
5:00	52	442	32	329	855	5	00	369	86	122	577	5:0	00	450	123	573		2005
6:00	61	415	17	172	665	6	00	315	342	123	780	6:0	00	241	74	315		1760
7:00	75	406	12	168	661	7	00	366	293	155	814	7:0	00	148	340	488		1963
8:00	66	465	12	159	702	8	00	117	64	100	281	8:0	00	103	363	466		1449
9:00	68	374	18	390	850	9	00	154	264	347	765	9:0	00	446	155	601		2216
10:00	63	350	50	571	1034	10	00	266	83	220	569	10:0	00	229	399	628		2231
11:00	66	395	22	382	865	11	00	339	120	336	795	11:0	00	244	373	617		2277
12:00	52	459	24	263	798	12	00	342	247	318	907	12:0	00	304	211	515		2220
Peak					1040						1052					669	2761	2277
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#### CMP – Financials – A Little More Detail



- Notice that uplift varies by product uplift is calculated separately for each product.
- Products purchased after migrating to CMP (e.g. DFSMSrmm), and FLAT/FWLC products have NO uplift.

Month Jan 2017			CPC01	CPC02	СРС03	Totals	MLC Disc%	CMP Adjust	MLC Total	MLC Perc
MLC Products	Product ID	Lic Type	MSUs	MSUs	MSUs	Total MSUs	8.4%	\$ 26,397.97	\$ 863,315.05	100.0%
z/OS V2 (Traditional)	5650-ZOS	CMLC	894	665	1249	2808	8.4%	\$ 6,239.99	\$ 250,095.49	29.0%
z/OS V2 DFSMS dsshsm	5650-ZOS	CMLC	894	665	1249	2808	8.4%	\$ 596.78	\$ 22,601.89	2.6%
z/OS V2 DFSMS rmm	5650-ZOS	CMLC	894	665	1249	2808	8.4%		\$ 10,772.43	1.2%
z/OS V2 DFSORT	5650-ZOS	CMLC	894	665	1249	2808	8.4%	\$ 106.62	\$ 3,761.05	0.4%
z/OS V2 SDSF	5650-ZOS	CMLC	894	665	1249	2808	8.4%	\$ 204.68	\$ 6,594.40	0.8%
z/OS V2 C/C++ without Debug	5650-ZOS	CMLC	894			894	8.4%	\$ 95.44	\$ 7,613.70	0.9%
z/OS V2 Infoprint Server	5650-ZOS	CMLC		665		665	8.4%	\$ 219.12	\$ 5,026.87	0.6%
non-z/OS (CMLC)									100	
CICS TS for z/OS V5	5655-Y04	CMLC	869	665	1249	2783	8.4%	\$ 9,033.09	\$ 231,859.60	26.9%
DB2 11 for z/OS	5615-DB2	CMLC	869	665	1249	2783	8.4%	\$ 6,932.87	\$ 203,282.39	23.5%
IBM MQ for z/OS V8	5655-W97	CMLC	869	665	1051	2585	8.4%	\$ 2,163.96	\$ 98,584.82	11.4%
Tivoli NetView for z/OS V6	5697-NV6	CMLC	894	665	1249	2808	8.4%	\$ 589.96	\$ 13,386.39	1.6%
IBM Enterprise Cobol for z/OS V4	5655-S71	CMLC	219			219	8.4%	\$ 215.46	\$ 6,194.95	0.7%
FWLC (Workload License Charge)										
ACF/SSP Version 4 MVS	5655-041	FWLC	1			1			\$ 1,891.72	0.2%
IBM Library for REXX/370	5695-014	FWLC	1			1			\$ 1,286.02	0.1%
Transforms to AFP	5655-N60	FWLC	1			1			\$ 363.33	0.0%

Note: Newer versions of products you already have do NOT count as new products!

#### **CMP Summary**



- CMP simplifies management while remaining cost-neutral
- If you grow, the MSUs might be cheaper than before CMP
- If you decline, the MSUs will be more expensive than before CMP
- Important to pick correct three-month period
- Important to reduce MSUs by tuning or moving products before three-month period
- CMP home page:
  - https://www.ibm.com/it-infrastructure/z/software/pricing-country-multiplex
- Enterprise Executive (2017 No. 3) article:
  - Country Multiplex Pricing: What You Need to Know by Cheryl Walker and Alan Murphy



# TAILORED FIT PRICING (TFP) ENTERPRISE CONSUMPTION SOLUTION

### **Container Software Pricing**



- July 17, 2017 IBM announced a new <u>Container Pricing</u> infrastructure and three new pricing options on the same day as the z14 announcement. The three options consisted of:
  - Application Development and Test Container
  - New Application Container
  - Payments Processing Container
- October 2, 2018, IBM announced newer <u>New Application</u> <u>Solution</u> using Solution Consumption License Charges (SCLC)
  - This new solution effectively replaced the prior New Application Container with "pay-as-you-go" (PAYG) pricing.

### **Tailored Fit Pricing (TFP)**



- May 14, 2019, IBM announced <u>Tailored Fit Pricing (TFP)</u> using a pricing model called Enterprise Solution License Charges (ESLC).
  - TFP consists of two new options, as well as two previously announced options:
    - Newly announced options include: Enterprise Consumption Solution Enterprise Capacity Solution
    - Previously announced options, that were rebranded under TFP, include: Application Development and Test Solution (announced July 2017) New Application Solution (announced October 2018)

### Consumption MSUs



 Using AWLC or CMP MLC pricing, we are generally referring to the peak R4HA MSU value. However, MSUs are actually a measurement of compute capacity used in an hour. Consumption MSUs are the accumulation of all MSUs during the month.

Time	MSUs	R4HA		Cumulative	MSUs
12:00	1100	(1100+0+0+0)/4	275	1100	1100
1:00	1080	(1080+1100+0+0)/4	545	1100+1080	2180
2:00	1090	(1090+1080+1100+0)/4	818	2180+1090	3270
3:00	1080	(1080+1090+1080+1100)/4	1088	3270+1080	4350
4:00	1098	(1098+1080+1090+1080)/4	1087	4350+1098	5448
5:00	1100	(1100+1098+1080+1090)/4	1092	5448+1100	6548
6:00	1098	(1098+1100+1098+1080)/4	1094	6548+1098	7646
7:00	1176	(1176+1098+1100+1098)/4	1118	7646+1080	8822
8:00	1090	(1090+1176+1098+1100)/4	1116	8726+1090	9912
9:00	1070	(1211+1090+1176+1098)/4	1109	9816+1176	10982

In this example, the old method would charge on 1118 MSUs, while the new charges on 10,992 MSUs.

- With the Enterprise Consumption Solution, the MSU consumption model is now applied to all the workload in the enterprise
- Customers must commit to a "baseline" of MSUs which reflect the MSUs used over the past 12 months plus a "reasonable" amount of growth on an annual basis
  - IBM charts have stated that "reasonable" starts at 2% per year
- The baseline MSUs are priced at the same \$/MSU that the customer is paying today meaning that it reflects the capacity and mix of products running at the time the contract is signed.
- Growth MSUs are priced "aggressively". Again, IBM charts have stated that can start at a 50% discount versus the baseline MSUs but can be higher if more growth is committed to.

- Key requirements include:
  - All machines within the enterprise must be included. Enterprise is defined as "any legal entity, and the subsidiaries it owns by more than 50%, within a single country" (similar to CMP)
  - Clients may only have one Enterprise Consumption or Enterprise Capacity Solution within a country
    - IBM has mentioned that some customers may require more than one if the software products vary greatly from application to application, but this would be a special bid.
  - All machines must be z14 or newer
  - Outsourcers are not eligible for these offerings.

- Pricing is determined based on the baseline MSUs, which are the MSUs used over the past 12 months plus some sort of growth commitment.
- Actual pricing is the "entitled" price at the time of the contract plus any announced price changes less any applicable TTO discount.
- Growth MSUs are priced using "aggressive growth pricing"
- Price will be a set \$/MSU with no product level pricing
- Total MSUs consumed are then reconciled at the end of each 12-month period, but 1/12 of annual cost is due monthly.
  - Any unused MSUs can be carried over to the following year but will expire at the end of the contract.
  - Any MSUs over the contracted baseline will be billed at the contracted growth rate at this annual true-up.



- Remember 2008? During the bailouts, many customers had committed growth with IBM under their ELAs. They quickly found they were paying for far more than they were using when their business did not grow as expected. Is a commitment reasonable for your business?
- While IBM states that this is far more predictable than current models, there is a tradeoff. You must commit to a minimum. If you use more than planned, you will pay more (surprise!). If you use less, you don't get a refund, but it might go into your CBA. So, it's more predictable for at least 11 months each year.



- Let's get into the numbers....
- For simplicity, we're using 6 months, but IBM will want 12 months:

and a second		5 6646		- 1	20.000		
MLC Summary for Multiplex		<u>Dec 2018</u>	<u>Jan 2019</u>	<u>Feb 2019</u>	<u> Mar 2019</u>	<u> Apr 2019</u>	<u> May 2019</u>
MLC Discount (Eg: AWLC Transition)		12.0%	12.0%	12.0%	12.0%	12.0%	12.0%
Machine Rated Capacity (MSUs)		2902	2902	4588	2902	2902	2902
Billing R4HA MSUs (z/OS)		2229	2144	2086	2225	2261	2227
Cumulative MSU Usage per Hour (Average)		1930	1946	1890	2040	2008	1973
Cumulative MSU Usage per Month	1436152	1448666	1270086	1517997	1445909	1468391	
MLC Products	Product ID	Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019
z/OS V2 (Traditional)	5650-ZOS	\$ 363,912.86	\$ 360,420.44	\$ 358,037.39	\$ 363,748.51	\$ 365,227.65	\$ 363,830.68
z/OS V2 DFSMS dsshsm	5650-ZOS	\$ 30,563.11	\$ 30,195.84	\$ 29,945.24	\$ 30,545.83	\$ 30,701.38	\$ 30,554.47
z/OS V2 DFSORT	5650-ZOS	\$ 4,245.08	\$ 4,153.08	\$ 4,090.30	\$ 4,240.75	\$ 4,279.72	\$ 4,242.92
z/OS V2 SDSF	5650-ZOS	\$ 9,494.15	\$ 9,388.68	\$ 9,316.71	\$ 9,489.18	\$ 9,533.85	\$ 9,491.67
z/OS V2 Security Server	5650-ZOS	\$ 23,128.56	\$ 22,945.30	\$ 22,820.25	\$ 23,119.93	\$ 23,197.55	\$ 23,124.24
z/OS V2 RMF	5650-ZOS	\$ 17,888.76	\$ 17,705.50	\$ 17,580.45	\$ 17,880.13	\$ 17,957.75	\$ 17,884.45
non-z/OS (CMLC)							
CICS TS for z/OS V5	5655-Y04	\$ 17,264.34	\$ 18,013.80	\$ 16,889.61	\$ 16,889.61	\$ 20,262.18	\$ 16,140.15
DB2 11 for z/OS	5615-DB2	\$ 137 031 78	\$ 136 372 29	\$ 135 <u>4</u> 72 97	\$ 137 991 05	\$ 137 031 78	\$ 135 413 01
CMP Total		\$ 603,528.64	\$ 599,194.93	\$ 594,152.91	\$ 603,905.00	\$ 608,191.86	\$ 600,681.59

- Total "Cumulative MSUs" during this period are 8,587,201
- Total MLC was \$3,609,655
- \$/MSU was\$3,609,655/8,587,201 = 42 cents



• To qualify, customer must commit to 8,587,201 MSUs plus at least 2% per year growth. The base MSUs will be at the same \$/MSU that has been paid over the last 12 months. The growth MSUs will be priced at 50% of that base price. Thus the MLC will grow at 1% per year (plus any announced price change or changes in TTO). The pricing for the committed MSUs will be:

MSUsMLCYear 18,758,945\$ 3,645,751Year 28,934,124\$ 3,682,570Year 39,112,806\$ 3,720,125

• IF CMP MSUs grow by 2% per year, the resulting pricing would drive about a 0.6-0.7% growth per year:

	MSUs	MLC		
Year 1	2233	\$3,630,065		
Year 2	2278	\$3,654,639		
Year 3	2323.56	\$3,677,277		

 However, under CMP, that growth does not necessarily drive an increase in your bill. If the growth is not during the peak hours, it will drive the Enterprise Consumption increase, but could actually be a \$0 impact to the CMP price!



- Enterprise Consumption requires a commitment and contract with IBM for 3-5 years.
- Enterprise Consumption effectively removes the ability to control bills through capping.
- The mix of products matters. The price will be set based on the current mix. If growth will be in applications using more products, this solution is more attractive. If growth is in applications using just the operating system, some of the other "new workload" pricing models may be better.
- There is no way to reduce your baseline as long as you remain in the contract. If you remove a product, it should reduce your bill, depending on your contract.
- Instead of tuning work running during the R4HA, you will need to tune the largest running jobs (if possible). It changes the whole methodology of performance.



- 50% savings is off the current average \$/MSU. Due to the pricing slopes on AWLC and CMP, every customer will have a different \$/MSU even if they are running the same products or the same capacity. This means that you MUST do your own analysis to determine the best model for your situation.
- There is no change to the SCRT process. This model simply uses a new section of the report (Section N7), so there is really nothing that needs to be done technically.
- While some ISVs are planning to support TFP, many others won't or can't. You might need to continue to manage your R4HA, possibly with capping, for major ISV products.
- Because you're not restricted to product use, you might end up with more products in each LPAR and drive up the utilization of your CPC.



- Removing capping may increase the CPU busy, which in turn increases the MSUs consumed for the same amount of processing. (Every 10% CPU busy increases the task MSUs by 3-5%.)
- Once you've increased an IPLA product's VUs, IBM won't let you decrease them.
   However IPLA usage is based on the consumption averaged during the year, so you only need to buy more VUs if you exceed the baseline at the True-Up.
- When reviewing the contract, determine whether the 4% increase on most MLC products will be added to the total MLC each year.
- When reviewing the contract, determine whether the TTO discounts to move to a new processor will be available to the TFP contract.
- If you go to TFP, determine how you will control the MSU usage so that it doesn't grow higher than your expected growth
- · Have your analysis completed well before the end of your current contract.



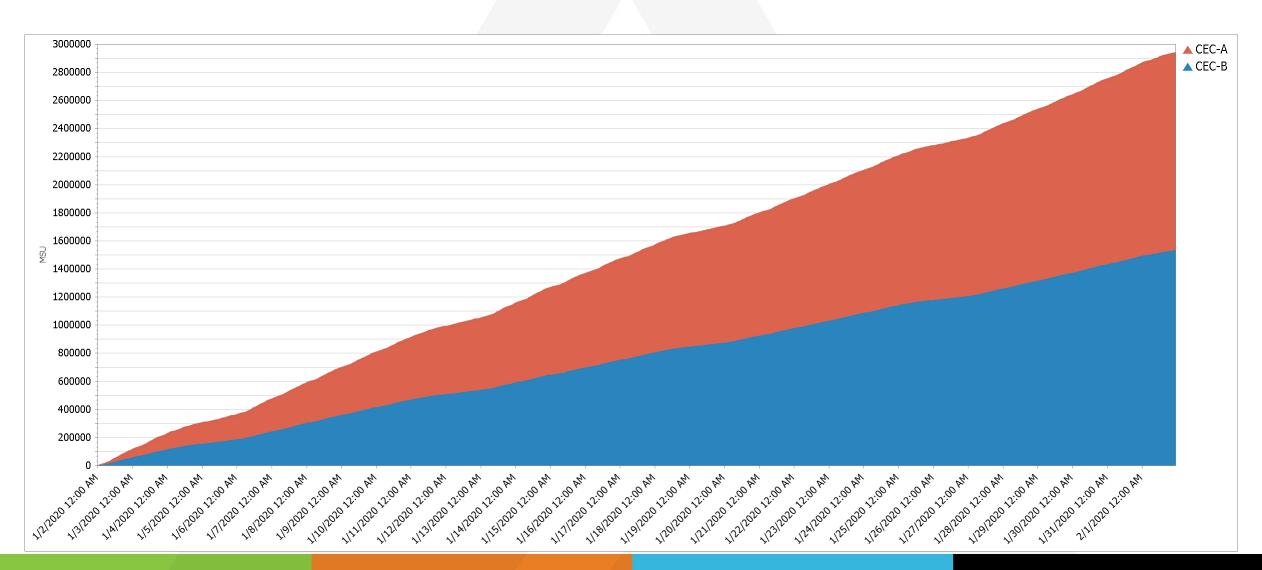
#### • After TFP:

- Continue to run AWLC/CMP each month for your own use (in addition to the TFP SCRT reports that go to IBM).
- Track total consumed MSUs during the month and track to your baseline.
- Major ways to contain the baseline:
  - Add extra capacity with more CPs to reduce utilization (each 10% of CPU utilization impacts the CPU time of workloads by 3% to 5%).
  - Add zIIPs and move work to zIIPs.
  - Perform traditional tuning on the largest CPU consumers in the enterprise.
  - Exploit enhancements to z/OS and middleware. These are usually found in PTFs as 'New Function APARs', but the default is to not enable the enhancement.

# Cumulative MSU Consumption



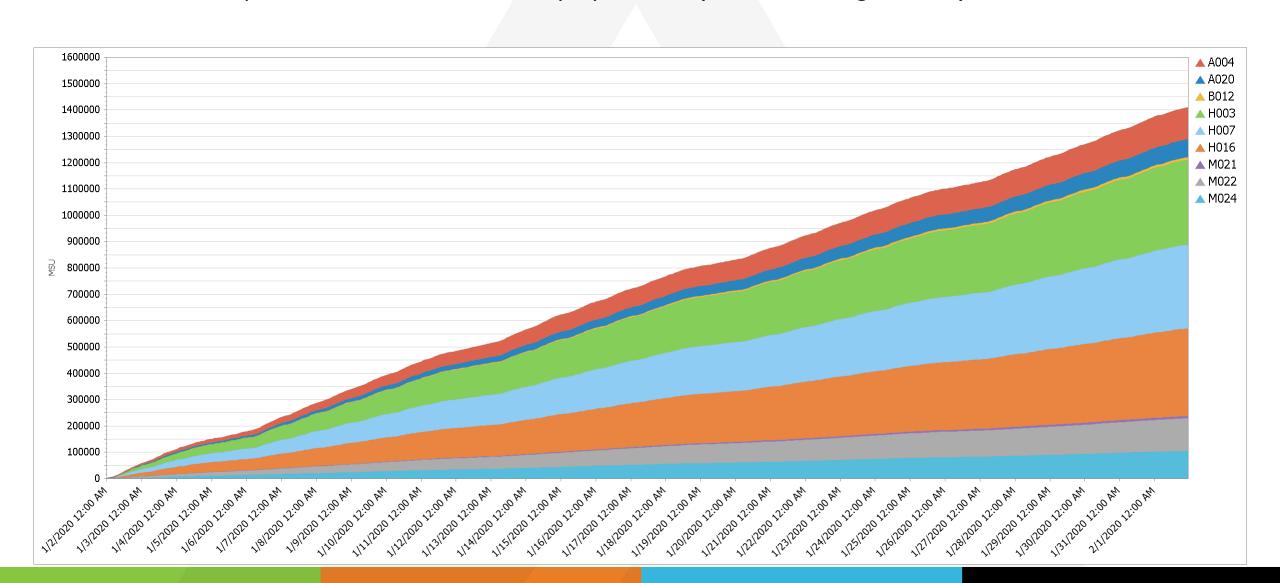
for all LPAR SCRT Data by Processor Complex Serial Number (from IntelliMagic Vision)



#### SHAR EDUCATE NETWORK INFL

#### **Cumulative MSU Consumption**

For Processor Complex Serial Number 'CEC-A' by System ID (from IntelliMagic Vision)





# TAILORED FIT PRICING (TFP) ENTERPRISE CAPACITY SOLUTION

# TFP – Enterprise Capacity Solution



- The Enterprise Capacity Solution is a full-capacity licensing model (as with many things in software pricing, what's old is new again!)
- IBM and the client identifies a list of MLC programs to be included, and those programs can be used anywhere within the full capacity environment.
- All IBM software is now licensed to the full capacity of the enterprise.
- The Enterprise Capacity Solution can also include hardware and maintenance.

## TFP – Enterprise Capacity Solution



- Pricing is truly a negotiation between IBM and the customer, as it is set equal to the MLC paid in the past 12 months PLUS some agreed upon amount meant to reflect the estimated growth of the workloads.
  - · "Substantially increased" application development and test capacity is included
  - "Aggressive growth pricing" is applied to new and growth of existing workloads
- IPLA entitlement is required for the total physical capacity.

## TFP - Enterprise Capacity Solution



- Enterprise Capacity requires a commitment and contract with IBM for 3-5 years.
- Enterprise Capacity removes any ability to lower software bills, as the price is committed at the time of the contract.
- Enterprise Capacity includes an assumption of growth in the contract price (min 20%). Will your workload grow at this rate?
- The mix of products matters. The price will be set based on the current mix.
   If growth will be in applications using more products, this solution is more
   attractive. If growth is in applications using just the operating system, some
   of the other "new workload" pricing models may be better.

## TFP – Enterprise Capacity Solution



- Enterprise Capacity releases you from all reporting requirements. If you are spending substantial time, effort or money managing the reporting, this model could be worth exploring.
- You may still need to manage and cap your R4HA for some ISV products.
- In all cases, be sure to do an analysis of your own workload, products and capacity plan to determine if this model will be more or less expensive for your situation. Some will win and others will lose!
- This is one of the most expensive pricing options available.



### **SUMMARY**



### • Summary:

- Conceptually, this model may be simpler to understand and manage than the R4HA model. If you've spent years managing to the R4HA model, TFP will take a change in mindset
- TFP allows an easier tie-back to a chargeback process, as each baseline MSU costs the same and each growth MSU costs the same
- TFP can be cheaper for growth than CMLC, but every customer should do the math!
  - The "50% off" is 50% off your average \$/MSU and not off the incremental. For large customers, an incremental CMP MSU could be less expensive.



#### • Summary:

- Both models of TFP are tied to what was spent in the last 12 months. No matter what you do to manage costs, you will not lower your IBM software bill.
- IBM sales will not give you a long time for analysis. Have the numbers prepared today.
- Do you know what your needs will be in 3 to 5 years? Mergers planned?
   Divestment considered?



- Summary:
  - Moving to TFP removes the ability to add workload for free if added in the R4HA whitespace.
    - With R4HA, you can run report jobs, compiles, tests and stress tests that won't cost a penny in software costs if run during off-peak periods. TFP will add cost for every action. Is managing every action in your best interest?
  - IBM has built this model to add predictability to customer software bills. Is this fulfilling that requirement?
    - The 3-5 year contract will hold the bill flat throughout the year but any overages will be due at the end of each 12-month period.



- Summary:
  - For growing customers, TFP allows you to grow at a lower cost. This is great for the platform!
  - For customers looking to remain cost-neutral, review your contract carefully.
  - Be sure to get a list of products stated in your contract in case you want to replace a product.
  - Negotiate, negotiate, negotiate!

#### **Other References**



- TFP Website <a href="https://www.ibm.com/it-infrastructure/z/software/pricing-tailored-fit">https://www.ibm.com/it-infrastructure/z/software/pricing-tailored-fit</a>
- TFP Content Solution <a href="https://www.ibm.com/support/z-content-solutions/tailored-fit-pricing/">https://www.ibm.com/support/z-content-solutions/tailored-fit-pricing/</a>
- TFP Manual (158 pages!) <a href="https://www-01.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosv2r4izsc100/\$file/izsc100\_v2r4\_.pdf">https://www-01.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosv2r4izsc100/\$file/izsc100\_v2r4\_.pdf</a>
- Tuning Letter article on TFP in Tuning Letter 2019 No. 4
- Monday Session <u>26989</u> WLM Update for Pricing, z15, and z/OS 2.4, Toni Pohl
- Monday Session <u>26343</u> WLM: The Area 51 of the Mainframe, James Bagnell
- Wednesday Session <u>26912</u> Is Tailored Fit Pricing a Good Fit?, Scott Chapman
- Thursday Session <u>26349</u> Tips and Tricks for Managing Capacity No Matter What IBM Pricing Model You Use, James Bagnell, Tom Quinn
- Friday Session <u>26976</u> Tailored Fit Pricing for IBM Z An Overview, Elianne Bravo
- Friday Session <u>26991</u> Capping in the Age of Tailored Fit Pricing, Toni Pohl



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