

Make Better Technical Decisions by Understanding LPAR Level Software Charges

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It Starts With Your SCRT Report

==E5=====

Product Summary Information for 2094#WW22 (MACHINE 2)

SCRT

MLC

CSV

MLC Product Name

Product

Tool

ID

MSUs

z/OS V1

5694-A01

1637

DB2 V8

5625-DB2

1591

CICS TS FOR Z/OS V3

5655-M15

1594

WS MQ V6

5655-L82

1591

TIV NETVIEW FOR Z/OS

5697-ENV

1634

ENTERPRISE COBOL V3

5655-G53

1591

And Your Second SCRT Report

===E5=====

Product Summary Information for 2094#WWW (MACHINE 1)

SCRT

MLC

CSV

MLC Product Name

Product

Tool

ID

MSUs

z/OS V1

5694-A01

1055

DB2 V8

5625-DB2

1050

CICS TS FOR Z/OS V3

5655-M15

970

WS MQ V6

5655-L82

970

TIV NETVIEW FOR Z/OS

5697-ENV

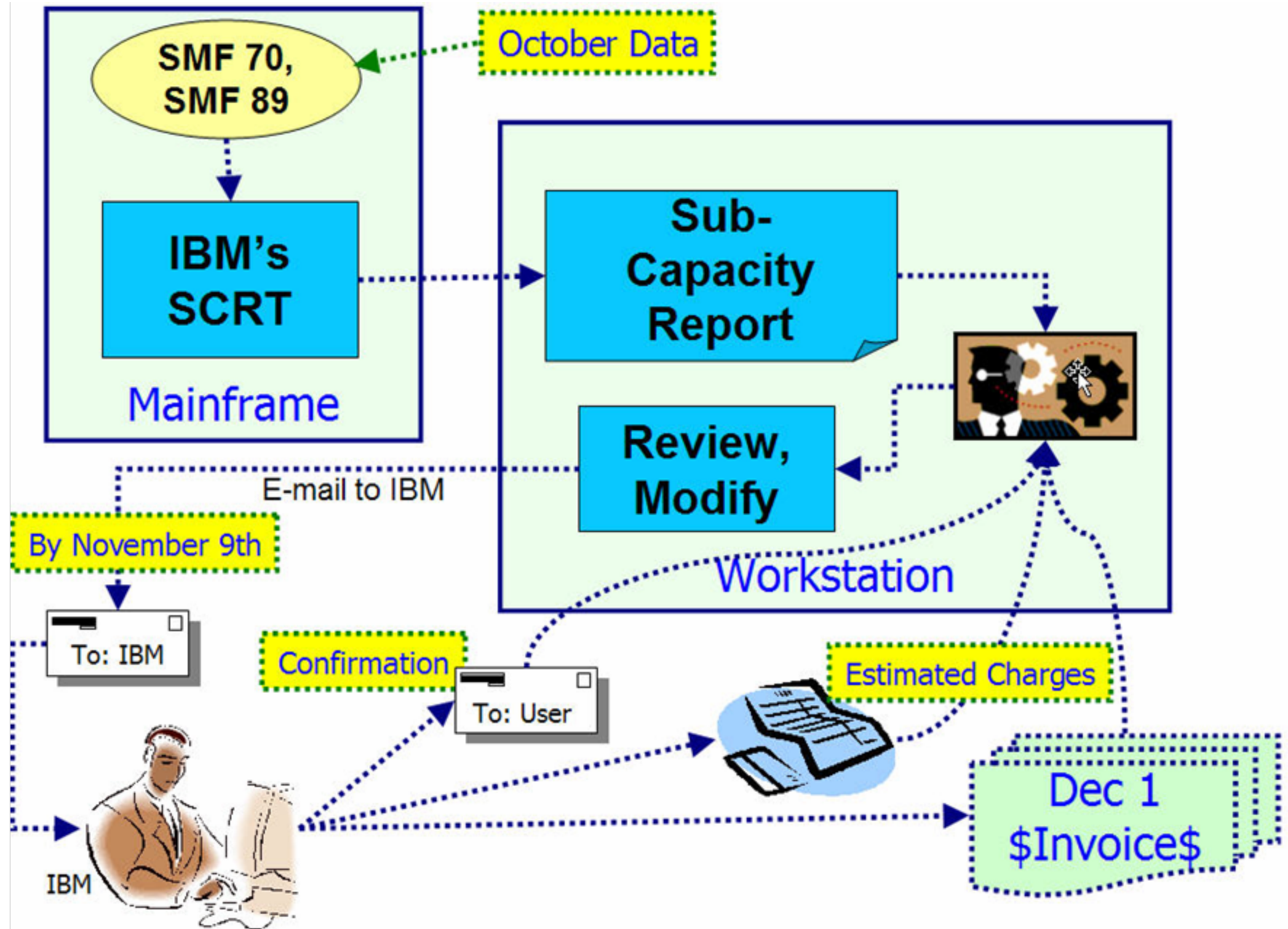
1050

ENTERPRISE COBOL V3

5655-G53

970

IBM's SCRT With Time Frames



What is IBM Doing With Your Reports

- First Machine Standalone: \$580,233

Machine ID		2094-WW22			
Machine Types		2094-732 1650 MSUs			
Announced MSUs		1650			
Default Machine Sub-Capacity MSUs		1637		0	0
Technology Dividend Used for Each Machine		100.00%		100.00%	100.00%
Total All Machines Announced MSUs		1,650			
Total of Sub-Capacity MSUs set for All Machines		1,637			
Sub-Capacity MSUs Percent of Announced MSUs		99.2%		Variable WLC Sub-Capacity (VWLC)	
PROID	FunctionID	PRODNAME	Count of Machines	Sub Capacity WLC MSUs	Estimated SubCap WLC Price
5694-A01	S00T4FR	Z/OS V1 BASE	1	1,637	\$ 185,291.00
5694-A01	S00T4FZ	Z/OS V1 C/C++ WITHOUT D	1	1,637	\$ 9,851.00
5694-A01	S00T4G0	Z/OS V1 DFSMS DSSHS	1	1,637	\$ 15,965.00
5694-A01	S00T4G3	Z/OS V1 DFSORT	1	1,637	\$ 2,353.00
5694-A01	S00T4G5	Z/OS V1 GDDM-REXX	1	1,637	\$ 1,749.00
5694-A01	S00T4G6	Z/OS V1 HCM	1	1,637	\$ 449.00
5694-A01	S00T4G7	Z/OS V1 HLASM TOOLKIT	1	1,637	\$ 109.00
5694-A01	S00T4GB	Z/OS V1 RMF	1	1,637	\$ 9,565.00
5694-A01	S00T4GC	Z/OS V1 SDSF	1	1,637	\$ 4,154.00
5694-A01	S00T4GF	Z/OS V1 SECURITY SERVE	1	1,637	\$ 12,005.00
5625-DB2	S00X44M	DB2 V8	1	1,591	\$ 107,284.00
5655-M15	S0118T7	CICS TS FOR Z/OS V3.1	1	1,594	\$ 124,007.00
5655-L82	S011P8R	WEBSP MQ V6	1	1,591	\$ 54,306.00
5697-ENV	S00WM20	TIV NETVIEW FOR Z/OS	1	1,634	\$ 35,236.00
5655-G53	S00VXNM	COBOL V3 FULL FUNCTION	1	1,576	\$ 17,909.00
=====					=====
Totals					\$ 580,233.00

What is IBM Doing With Your Reports

- Second Machine Standalone: \$444,629

Pricing Plex		LCS 2063-AG1			
Machine ID		2094-WWWW			
Machine Types		2094-719 1077 MSUs			
Announced MSUs		1077			
Default Machine Sub-Capacity MSUs		1043		0	0
Technology Dividend Used for Each Machine		100.00%		100.00%	100.00%
Total All Machines Announced MSUs		1,077			
Total of Sub-Capacity MSUs set for All Machines		1,043			
Sub-Capacity MSUs Percent of Announced MSUs		96.8%		Variable WLC Sub-Capacity (VWLC)	
PROID	FunctionID	PRODNAME	Count of Machines	Sub Capacity WLC MSUs	Estimated SubCap WLC Price
5694-A01	S00T4FR	Z/OS V1 BASE	1	1,043	\$ 153,887.00
5694-A01	S00T4FZ	Z/OS V1 C/C++ WITHOUT DI	1	1,043	\$ 7,797.00
5694-A01	S00T4G0	Z/OS V1 DFSMS DSSHSM	1	1,043	\$ 12,723.00
5694-A01	S00T4G3	Z/OS V1 DFSORT	1	1,043	\$ 1,759.00
5694-A01	S00T4G5	Z/OS V1 GDDM-REXX	1	1,043	\$ 1,155.00
5694-A01	S00T4G6	Z/OS V1 HCM	1	1,043	\$ 449.00
5694-A01	S00T4G7	Z/OS V1 HLASM TOOLKIT	1	1,043	\$ 109.00
5694-A01	S00T4GB	Z/OS V1 RMF	1	1,043	\$ 7,511.00
5694-A01	S00T4GC	Z/OS V1 SDSF	1	1,043	\$ 3,560.00
5694-A01	S00T4GF	Z/OS V1 SECURITY SERVE	1	1,043	\$ 9,951.00
5625-DB2	S00X44M	DB2 V8	1	1,038	\$ 80,740.00
5655-M15	S0118T7	CICS TS FOR Z/OS V3.1	1	958	\$ 89,027.00
5655-L82	S011P8R	WEBSP MQ V6	1	958	\$ 38,481.00
5697-ENV	S00WM20	TIV NETVIEW FOR Z/OS	1	1,038	\$ 25,700.00
5655-G53	S00VXNM	COBOL V3 FULL FUNCTION	1	895	\$ 11,780.00
Totals					\$ 444,629.00

580,233
444,629

1,024,862

What is IBM Doing With Your Reports

- Value of Aggregation: \$236,400 (this month)

Total All Machines Announced MSUs				2,727		
Total of Sub-Capacity MSUs set for All Machines				2,680		
Sub-Capacity MSUs Percent of Announced MSUs				98.3%	Variable WLC Sub-Capacity (VWLC)	
PROID	FunctionID	PRODNAME	Count of Machines	Sub Capacity WLC MSUs	Estimated SubCap WLC Price	
5694-A01	S00T4FR	Z/OS V1 BASE	2	2,680	\$ 226,924.00	
5694-A01	S00T4FZ	Z/OS V1 C/C++ WITHOUT D	2	2,680	\$ 12,275.00	
5694-A01	S00T4G0	Z/OS V1 DFSMS DSSHSM	2	2,680	\$ 20,475.00	
5694-A01	S00T4G3	Z/OS V1 DFSORT	2	2,680	\$ 3,396.00	
5694-A01	S00T4G5	Z/OS V1 GDDM-REXX	2	2,680	\$ 2,792.00	
5694-A01	S00T4G6	Z/OS V1 HCM	2	2,680	\$ 898.00	
5694-A01	S00T4G7	Z/OS V1 HLASM TOOLKIT	2	2,680	\$ 218.00	
5694-A01	S00T4GB	Z/OS V1 RMF	2	2,680	\$ 11,989.00	
5694-A01	S00T4GC	Z/OS V1 SDSF	2	2,680	\$ 5,197.00	
5694-A01	S00T4GF	Z/OS V1 SECURITY SERVE	2	2,680	\$ 14,429.00	
5625-DB2	S00X44M	DB2 V8	2	2,629	\$ 157,108.00	
5655-M15	S0118T7	CICS TS FOR Z/OS V3.1	2	2,552	\$ 176,697.00	
5655-L82	S011P8R	WEBSP MQ V6	2	2,549	\$ 78,256.00	
5697-ENV	S00WM20	TIV NETVIEW FOR Z/OS	2	2,672	\$ 51,844.00	
5655-G53	S00VXNM	COBOL V3 FULL FUNCTION	2	2,471	\$ 25,964.00	
=====					=====	
Totals					\$ 788,462.00	

1,024,862
 - 788,462

 236,400

- Charge Per z/OS MSU: \$294

Tiers of DB2 V8

10	5625-DB2	DB2 V8	VWLC	
11	0	3	4,554	Total
12	3	45	246	Per MSU
13	45	175	115	Per MSU
14	175	315	86	Per MSU
15	315	575	64	Per MSU
16	575	875	48	Per MSU
17	875	FOREVER	48	Per MSU

- Our two machines are both in the tier of 875 or higher
- For LPARs on either machine using DB2 V8 one MSU is \$48
 - One more MSU or one less MSU

One LPAR's Incremental Charge Per MSU

DEMOPLEX_PRDD_PRDD on 2094#WW22

Product ID	Funct'n	Description	Per MSU
5694-A01	S00T4FR	Z/OS V1 BASE	37.00
	S00T4FZ	Z/OS V1 C/C++ WITHOUT DEBUG	2.00
	S00T4G0	Z/OS V1 DFSMS DSSHSM	4.00
	S00T4G3	Z/OS V1 DFSORT	1.00
	S00T4G5	Z/OS V1 GDDM-REXX	1.00
	S00T4GB	Z/OS V1 RMF	2.00
	S00T4GC	Z/OS V1 SDSF	1.00
	S00T4GF	Z/OS V1 SECURITY SERVER	2.00
5625-DB2	S00X44M	DB2 V8	48.00
5697-ENV	S00WM20	TIV NETVIEW FOR Z/OS	16.00
5655-G53	S00VXNM	COBOL V3 FULL FUNCTION	9.00
5655-M15	S0118T7	CICS TS FOR Z/OS V3.1	55.00
5655-L82	S011P8R	WEBSP MQ V6	25.00
			203.00

How Do You Know SW Products Per LPAR?

====P5=====

PRODUCT MAX CONTRIBUTORS FOR 2094#WWW (MACHINE 1)

Product TST2	Highest		PRDA	PRDC	PRDF	PRDH	PRDI
ID	MSU	Date/Time	PRDA	PRDC	PRDF	PRDH	PRDI
5694-A01	1,043	01DEC:17:00	93	2	80C	82	783
5625-DB2	1,038	01DEC:17:00	93		80C	82	783
5655-M15	958	01DEC:17:00	93			82	783
5655-L82	958	01DEC:17:00	93			82	783
5697-ENV	1,038	01DEC:17:00	93		80C	82	783
5655-G53	958	01DEC:17:00	93			82	783

One LPAR's Incremental Charge Per MSU

DEMOPLEX_PRDF_PRDF on 2094#WWW

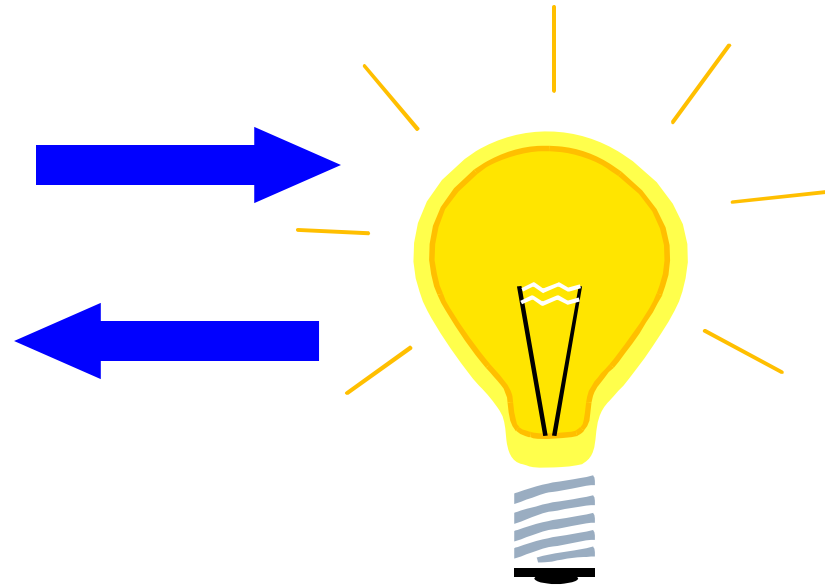
Product ID	Funct'n	Description	Per MSU
5694-A01	S00T4G0	Z/OS V1 DFSMS DSSHSM	4.00
	S00T4G3	Z/OS V1 DFSORT	1.00
	S00T4G5	Z/OS V1 GDDM-REXX	1.00
	S00T4GB	Z/OS V1 RMF	2.00
	S00T4GC	Z/OS V1 SDSF	1.00
	S00T4GF	Z/OS V1 SECURITY SERVER	2.00
5625-DB2	S00X44M	DB2 V8	48.00
5697-ENV	S00WM20	TIV NETVIEW FOR Z/OS	16.00
			114.00

- No CICS, No COBOL, No MQSeries

Technical Decisions

- You have a 15 MSU workload to move to one of these two LPARs
- You think you could reduce your software charges on PRDD with Defined Capacity
 - Technically: What Will Be Impacted?
 - Financially: Now you know the incremental cost per MSU

Discussion, Questions?



Al Sherkow

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Consulting Expertise on Capacity Planning, Performance Tuning,

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