

Sizing IFLs for Consolidation of Distributed Servers

(Demo Of SURF/SCON Sizing Tools)



njros1ud1019.txt

modelname IBM,7029-6C3

2 CPUs@1.2GHz

----- Day 1

System Configuration: lcpu=2

00:00:01	%usr	%sys	%wio	%idle
00:05:01	6	8	6	79
00:10:01	3	4	3	90
00:15:01	4	4	1	91
00:20:01	3	4	2	90
00:25:01	6	7	2	85
00:30:01	3	4	2	91
00:35:01	3	4	1	92
00:40:01	3	4	1	91
00:45:01	7	8	2	82
00:50:01	3	4	1	91
00:55:01	4	4	2	90
01:00:01	4	4	1	91
01:05:01	6	7	2	85
01:10:01	3	4	1	92
01:15:01	3	4	1	92
01:20:01	4	4	1	91
01:25:01	7	7	3	83
01:30:01	3	4	1	92
01:35:01	3	4	1	92
01:40:01	7	6	12	76
01:45:01	7	12	17	64
01:50:01	3	4	1	92
01:55:01	4	4	1	90
02:00:02	4	5	6	84
02:05:02	7	12	26	55

C:A1

'Date

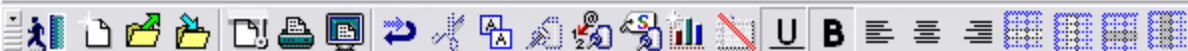


SVRwklks UtilFiles Sumbusy

C	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Date	Time	NJROS1U	NJROS1U	NJROS1U	NJROS1U	NJROS1U	NJROS1U	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU
2																		
3	00:05:01	00:05:01	13.00	14.00	14.00	12.00	24.00	53.00	33.00	13.00	27.00	14.00	24.00	11.00	16.00	4.00	63.00	6.00
4	00:10:01	00:10:01	7.00	7.00	7.00	6.00	19.00	49.00	52.00	12.00	22.00	13.00	24.00	9.00	10.00	3.00	62.00	4.00
5	00:15:01	00:15:01	8.00	8.00	7.00	6.00	18.00	49.00	39.00	12.00	24.00	15.00	32.00	11.00	14.00	2.00	64.00	4.00
6	00:20:01	00:20:01	7.00	7.00	8.00	6.00	18.00	45.00	35.00	13.00	19.00	11.00	26.00	10.00	10.00	3.00	68.00	5.00
7	00:25:01	00:25:01	12.00	13.00	13.00	11.00	23.00	16.00	18.00	15.00	28.00	12.00	26.00	10.00	9.00	4.00	68.00	5.00
8	00:30:01	00:30:01	8.00	7.00	7.00	6.00	18.00	10.00	19.00	9.00	24.00	9.00	28.00	10.00	12.00	3.00	63.00	5.00
9	00:35:01	00:35:01	7.00	7.00	7.00	6.00	18.00	10.00	17.00	8.00	20.00	12.00	34.00	12.00	13.00	3.00	62.00	4.00
10	00:40:01	00:40:01	7.00	7.00	7.00	6.00	19.00	11.00	13.00	9.00	17.00	15.00	28.00	9.00	10.00	2.00	61.00	4.00
11	00:45:01	00:45:01	12.00	15.00	13.00	11.00	23.00	16.00	34.00	12.00	24.00	11.00	26.00	11.00	13.00	4.00	62.00	6.00
12	00:50:01	00:50:01	8.00	7.00	7.00	6.00	18.00	10.00	24.00	9.00	20.00	16.00	22.00	8.00	12.00	3.00	60.00	4.00
13	00:55:01	00:55:01	8.00	8.00	8.00	6.00	18.00	10.00	13.00	8.00	17.00	11.00	30.00	7.00	9.00	3.00	61.00	4.00
14	01:00:01	01:00:01	7.00	8.00	8.00	6.00	19.00	10.00	20.00	9.00	16.00	11.00	20.00	8.00	9.00	3.00	59.00	4.00
15	01:05:01	01:05:01	12.00	13.00	13.00	10.00	23.00	16.00	16.00	12.00	24.00	24.00	22.00	8.00	14.00	4.00	62.00	6.00
16	01:10:01	01:10:01	8.00	7.00	8.00	7.00	26.00	10.00	13.00	8.00	20.00	11.00	19.00	8.00	19.00	3.00	59.00	4.00
17	01:15:01	01:15:01	8.00	7.00	7.00	5.00	22.00	10.00	13.00	8.00	21.00	8.00	28.00	7.00	8.00	2.00	58.00	4.00
18	01:20:01	01:20:01	7.00	8.00	8.00	16.00	21.00	11.00	14.00	8.00	14.00	9.00	24.00	6.00	9.00	3.00	59.00	4.00
19	01:25:01	01:25:01	13.00	14.00	13.00	11.00	24.00	30.00	14.00	12.00	19.00	13.00	22.00	8.00	11.00	6.00	65.00	6.00
20	01:30:01	01:30:01	8.00	7.00	8.00	6.00	20.00	12.00	14.00	9.00	14.00	9.00	23.00	6.00	9.00	6.00	62.00	6.00
21	01:35:01	01:35:01	7.00	7.00	9.00	5.00	19.00	0.00	12.00	9.00	14.00	9.00	30.00	7.00	6.00	4.00	60.00	5.00
22	01:40:01	01:40:01	7.00	13.00	7.00	7.00	19.00	0.00	15.00	13.00	27.00	10.00	19.00	6.00	10.00	3.00	59.00	4.00
23	01:45:01	01:45:01	22.00	19.00	22.00	10.00	23.00	0.00	20.00	17.00	27.00	14.00	21.00	9.00	12.00	4.00	60.00	6.00
24	01:50:01	01:50:01	10.00	7.00	8.00	6.00	19.00	0.00	10.00	9.00	16.00	7.00	20.00	7.00	8.00	3.00	59.00	4.00
25	01:55:01	01:55:01	12.00	8.00	7.00	6.00	19.00	0.00	9.00	9.00	17.00	9.00	27.00	6.00	6.00	3.00	59.00	4.00
26	02:00:00	02:00:00	13.00	9.00	8.00	6.00	19.00	15.00	11.00	8.00	18.00	8.00	21.00	6.00	7.00	3.00	58.00	4.00
27	02:05:00	02:05:00	15.00	19.00	13.00	11.00	23.00	92.00	14.00	26.00	18.00	11.00	33.00	18.00	9.00	4.00	61.00	5.00
28	02:10:00	02:10:00	8.00	14.00	7.00	6.00	19.00	58.00	10.00	9.00	15.00	10.00	24.00	6.00	6.00	3.00	59.00	3.00
29	02:15:00	02:15:00	8.00	13.00	8.00	5.00	19.00	30.00	12.00	8.00	17.00	9.00	29.00	6.00	10.00	2.00	60.00	4.00
30	02:20:00	02:20:00	7.00	8.00	7.00	6.00	19.00	38.00	12.00	8.00	13.00	8.00	22.00	6.00	7.00	2.00	59.00	4.00
31	02:25:00	02:25:00	12.00	13.00	13.00	11.00	23.00	49.00	10.00	12.00	19.00	11.00	31.00	8.00	9.00	3.00	59.00	4.00
32	02:30:01	02:30:01	8.00	9.00	8.00	6.00	19.00	59.00	8.00	9.00	12.00	8.00	22.00	6.00	24.00	3.00	58.00	4.00
33	02:35:01	02:35:01	7.00	8.00	9.00	6.00	19.00	39.00	11.00	8.00	11.00	7.00	35.00	6.00	25.00	3.00	59.00	9.00
34	02:40:01	02:40:01	8.00	8.00	13.00	8.00	15.00	48.00	10.00	9.00	15.00	7.00	27.00	6.00	13.00	3.00	58.00	4.00
35	02:45:01	02:45:01	13.00	15.00	18.00	17.00	20.00	55.00	13.00	12.00	18.00	10.00	26.00	8.00	7.00	4.00	60.00	5.00
36	02:50:01	02:50:01	8.00	8.00	15.00	12.00	65.00	46.00	13.00	8.00	16.00	8.00	20.00	6.00	9.00	3.00	58.00	4.00
37	02:55:01	02:55:01	8.00	7.00	17.00	9.00	19.00	16.00	6.00	9.00	17.00	7.00	28.00	6.00	7.00	2.00	58.00	4.00
38	03:00:00	03:00:00	8.00	7.00	8.00	6.00	18.00	12.00	8.00	8.00	14.00	7.00	21.00	6.00	7.00	3.00	57.00	4.00
39	03:05:00	03:05:00	14.00	21.00	23.00	14.00	22.00	34.00	12.00	16.00	28.00	14.00	41.00	16.00	18.00	4.00	59.00	5.00
40	03:10:00	03:10:00	7.00	7.00	10.00	6.00	18.00	30.00	9.00	9.00	15.00	9.00	20.00	6.00	5.00	2.00	58.00	4.00
41	03:15:00	03:15:00	8.00	7.00	8.00	5.00	18.00	13.00	7.00	10.00	16.00	7.00	28.00	5.00	8.00	2.00	58.00	4.00

B:A1

'Utilization Analysis Sheet: V2.5



SVRwklids UtilFiles Sumbusy

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Utilization Analysis Sheet V2.5		Button Description:											
4	SCON.123 Directory=>	C:\123DATA	Import Server Definitions		Imports the Server Definitions from the SVRwklids Spreadsheet in the SCON Workbook.									
5	SCON.123 File Name=>	DEMO-SCON.123												
6	SURF.123 Directory=>	C:\123DATA												
7	SURF.123 File Name=>	DEMO-SURF.123	Create Utilization Sheet		Creates a summary sheet showing utilization for all the selected Servers. Select Servers in SVRwklids sheet.									
9	Utilization Files Directory=>	C:\DEMO												
10	File Name Suffix=>	.TXT												
11	New Utilization Sheet Name=>	Sumbusy	Create MIPS Sheet		Creates a summary sheet showing MIPS used based on Servers in Utilization Sheet.									
13	Utilization Sheet=>	Sumbusy												
14	New MIPS Sheet Name=>	MIPSALL												
16	MIPS Sheet=>	MIPS65	Chart Total MIPS Used		Creates a Total MIPS usage chart showing total MIPS used in MIPS Summary Sheet.									
17	New Graph Sheet Name=>	MIPSGRT65												
18	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
19	Skip X Axis Labels Increment=>	64	Chart Stacked MIPS		Creates a Stacked MIPS usage chart showing total MIPS used in MIPS Summary Sheet.									
21	MIPS Sheet=>	MIPS2												
22	New Graph Sheet Name=>	MIPSGRS2												
23	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals	Peak MIPS Analysis		Finds the interval for peak concurrent MIPS consumed and inserts those utilizations into the SCON tool as Case 1. Peak concurrent MIPS based on selected percentile.									
24	Skip X Axis Labels Increment=>	64												
26	MIPS Sheet=>	MIPS50												
27	Utilization Sheet=>	Sumbusy	Import Selected Files		Imports a separate utilization file for each selected Server. Each file is stored in a separate sheet.									
28	Percentile (0 to 100%)=>	98%												
30	Utilization Files Directory=>	C:\DEMO												
31	File Name Suffix=>	.TXT	Chart Selected Files		Creates a utilization chart for each selected Server. Each chart is stored in a separate sheet with a G Suffix									
33	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
34	Skip X Axis Labels Increment=>	64												

D:A1

'Date



SVRwklkds UtilFiles Sumbusy MIPSALL

D	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Date	Time	NJROS1U	NJROS1U	NJROS1U	NJROS1U	NJROS1U	NJROS1U	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU	PAEHOWU
2																		
3	00:05:01	00:05:01	71.60	77.11	77.11	66.10	318.55	703.48	181.77	78.95	163.96	85.02	145.75	66.80	97.16	53.09	903.09	86.01
4	00:10:01	00:10:01	38.56	38.56	38.56	33.05	252.19	650.38	286.42	72.87	133.60	78.95	145.75	54.65	60.73	39.82	888.76	57.34
5	00:15:01	00:15:01	44.06	44.06	38.56	33.05	238.92	650.38	214.81	72.87	145.75	91.09	194.33	66.80	85.02	26.55	917.43	57.34
6	00:20:01	00:20:01	38.56	38.56	44.06	33.05	238.92	597.29	192.78	78.95	115.38	66.80	157.89	60.73	60.73	39.82	974.76	71.67
7	00:25:01	00:25:01	66.10	71.60	71.60	60.59	305.28	212.37	99.14	91.09	170.04	72.87	157.89	60.73	54.65	53.09	974.76	71.67
8	00:30:01	00:30:01	44.06	38.56	38.56	33.05	238.92	132.73	104.65	54.65	145.75	54.65	170.04	60.73	72.87	39.82	903.09	71.67
9	00:35:01	00:35:01	38.56	38.56	38.56	33.05	238.92	132.73	93.64	48.58	121.45	72.87	206.47	72.87	78.95	39.82	888.76	57.34
10	00:40:01	00:40:01	38.56	38.56	38.56	33.05	252.19	146.00	71.60	54.65	103.24	91.09	170.04	54.65	60.73	26.55	874.42	57.34
11	00:45:01	00:45:01	66.10	82.62	71.60	60.59	305.28	212.37	187.27	72.87	145.75	66.80	157.89	66.80	78.95	53.09	888.76	86.01
12	00:50:01	00:50:01	44.06	38.56	38.56	33.05	238.92	132.73	132.19	54.65	121.45	97.16	133.60	48.58	72.87	39.82	860.09	57.34
13	00:55:01	00:55:01	44.06	44.06	44.06	33.05	238.92	132.73	71.60	48.58	103.24	66.80	182.18	42.51	54.65	39.82	874.42	57.34
14	01:00:01	01:00:01	38.56	44.06	44.06	33.05	252.19	132.73	110.16	54.65	97.16	66.80	121.45	48.58	54.65	39.82	845.75	57.34
15	01:05:01	01:05:01	66.10	71.60	71.60	55.08	305.28	212.37	88.13	72.87	145.75	145.75	133.60	48.58	85.02	53.09	888.76	86.01
16	01:10:01	01:10:01	44.06	38.56	44.06	38.56	345.10	132.73	71.60	48.58	121.45	66.80	115.38	48.58	115.38	39.82	845.75	57.34
17	01:15:01	01:15:01	44.06	38.56	38.56	27.54	292.01	132.73	71.60	48.58	127.53	48.58	170.04	42.51	48.58	26.55	831.42	57.34
18	01:20:01	01:20:01	38.56	44.06	44.06	88.13	278.74	146.00	77.11	48.58	85.02	54.65	145.75	36.44	54.65	39.82	845.75	57.34
19	01:25:01	01:25:01	71.60	77.11	71.60	60.59	318.55	398.19	77.11	72.87	115.38	78.95	133.60	48.58	66.80	79.64	931.76	86.01
20	01:30:01	01:30:01	44.06	38.56	44.06	33.05	265.46	159.28	77.11	54.65	85.02	54.65	139.67	36.44	54.65	79.64	888.76	86.01
21	01:35:01	01:35:01	38.56	38.56	49.57	27.54	252.19	0.00	66.10	54.65	85.02	54.65	182.18	42.51	36.44	53.09	860.09	71.67
22	01:40:01	01:40:01	38.56	71.60	38.56	38.56	252.19	0.00	82.62	78.95	163.96	60.73	115.38	36.44	60.73	39.82	845.75	57.34
23	01:45:01	01:45:01	121.18	104.65	121.18	55.08	305.28	0.00	110.16	103.24	163.96	85.02	127.53	54.65	72.87	53.09	860.09	86.01
24	01:50:01	01:50:01	55.08	38.56	44.06	33.05	252.19	0.00	55.08	54.65	97.16	42.51	121.45	42.51	48.58	39.82	845.75	57.34
25	01:55:01	01:55:01	66.10	44.06	38.56	33.05	252.19	0.00	49.57	54.65	103.24	54.65	163.96	36.44	36.44	39.82	845.75	57.34
26	02:00:00	02:00:00	71.60	49.57	44.06	33.05	252.19	199.10	60.59	48.58	109.31	48.58	127.53	36.44	42.51	39.82	831.42	57.34
27	02:05:00	02:05:00	82.62	104.65	71.60	60.59	305.28	1221.13	77.11	157.89	109.31	66.80	200.40	109.31	54.65	53.09	874.42	71.67
28	02:10:00	02:10:00	44.06	77.11	38.56	33.05	252.19	769.84	55.08	54.65	91.09	60.73	145.75	36.44	36.44	39.82	845.75	43.00
29	02:15:00	02:15:00	44.06	71.60	44.06	27.54	252.19	398.19	66.10	48.58	103.24	54.65	176.11	36.44	60.73	26.55	860.09	57.34
30	02:20:00	02:20:00	38.56	44.06	38.56	33.05	252.19	504.38	66.10	48.58	78.95	48.58	133.60	36.44	42.51	26.55	845.75	57.34
31	02:25:00	02:25:00	66.10	71.60	71.60	60.59	305.28	650.38	55.08	72.87	115.38	66.80	188.25	48.58	54.65	39.82	845.75	57.34
32	02:30:01	02:30:01	44.06	49.57	44.06	33.05	252.19	783.11	44.06	54.65	72.87	48.58	133.60	36.44	145.75	39.82	831.42	57.34
33	02:35:01	02:35:01	38.56	44.06	49.57	33.05	252.19	517.65	60.59	48.58	66.80	42.51	212.54	36.44	151.82	39.82	845.75	129.01
34	02:40:01	02:40:01	44.06	44.06	71.60	44.06	199.10	637.11	55.08	54.65	91.09	42.51	163.96	36.44	78.95	39.82	831.42	57.34
35	02:45:01	02:45:01	71.60	82.62	99.14	93.64	265.46	730.02	71.60	72.87	109.31	60.73	157.89	48.58	42.51	53.09	860.09	71.67
36	02:50:01	02:50:01	44.06	44.06	82.62	66.10	862.75	610.56	71.60	48.58	97.16	48.58	121.45	36.44	54.65	39.82	831.42	57.34
37	02:55:01	02:55:01	44.06	38.56	93.64	49.57	252.19	212.37	33.05	54.65	103.24	42.51	170.04	36.44	42.51	26.55	831.42	57.34
38	03:00:00	03:00:00	44.06	38.56	44.06	33.05	238.92	159.28	44.06	48.58	85.02	42.51	127.53	36.44	42.51	39.82	817.08	57.34
39	03:05:00	03:05:00	77.11	115.67	126.68	77.11	292.01	451.29	66.10	97.16	170.04	85.02	248.98	97.16	109.31	53.09	845.75	71.67
40	03:10:00	03:10:00	38.56	38.56	55.08	33.05	238.92	398.19	49.57	54.65	91.09	54.65	121.45	36.44	30.36	26.55	831.42	57.34
41	03:15:00	03:15:00	44.06	38.56	44.06	27.54	238.92	172.55	38.56	60.73	97.16	42.51	170.04	30.36	48.58	26.55	831.42	57.34



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Utilization Analysis Sheet: V2.5													
2														
3														
4	SCON.123 Directory=>	C:\123DATA			Import Server Definitions	Imports the Server Definitions from the SVRwklids Spreadsheet in the SCON Workbook.								
5	SCON.123 File Name=>	DEMO-SCON.123												
6	SURF.123 Directory=>	C:\123DATA												
7	SURF.123 File Name=>	DEMO-SURF.123												
8														
9	Utilization Files Directory=>	C:\DEMO			Create Utilization Sheet	Creates a summary sheet showing utilization for all the selected Servers. Select Servers in SVRwklids sheet.								
10	File Name Suffix=>	.TXT												
11	New Utilization Sheet Name=>	Sumbusy												
12														
13	Utilization Sheet=>	Sumbusy			Create MIPS Sheet	Creates a summary sheet showing MIPS used based on Servers in Utilization Sheet.								
14	New MIPS Sheet Name=>	MIPSALL												
15														
16	MIPS Sheet=>	MIPSALL			Chart Total MIPS Used	Creates a Total MIPS usage chart showing total MIPS used in MIPS Summary Sheet.								
17	New Graph Sheet Name=>	MIPSGRT												
18	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
19	Skip X Axis Labels Increment=>	64												
20														
21	MIPS Sheet=>	MIPSALL			Chart Stacked MIPS	Creates a Stacked MIPS usage chart showing total MIPS used in MIPS Summary Sheet.								
22	New Graph Sheet Name=>	MIPSGRS2												
23	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
24	Skip X Axis Labels Increment=>	64												
25														
26	MIPS Sheet=>	MIPSALL			Peak MIPS Analysis	Finds the interval for peak concurrent MIPS consumed and inserts those utilizations into the SCON tool as Case 1. Peak concurrent MIPS based on selected percentile.								
27	Utilization Sheet=>	Sumbusy												
28	Percentile (0 to 100%)=>	98%												
29														
30	Utilization Files Directory=>	C:\DEMO			Import Selected Files	Imports a separate utilization file for each selected Server. Each file is stored in a separate sheet.								
31	File Name Suffix=>	.TXT												
32														
33	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
34	Skip X Axis Labels Increment=>	64			Chart Selected Files	Creates a utilization chart for each selected Server. Each chart is stored in a separate sheet with a G Suffix								

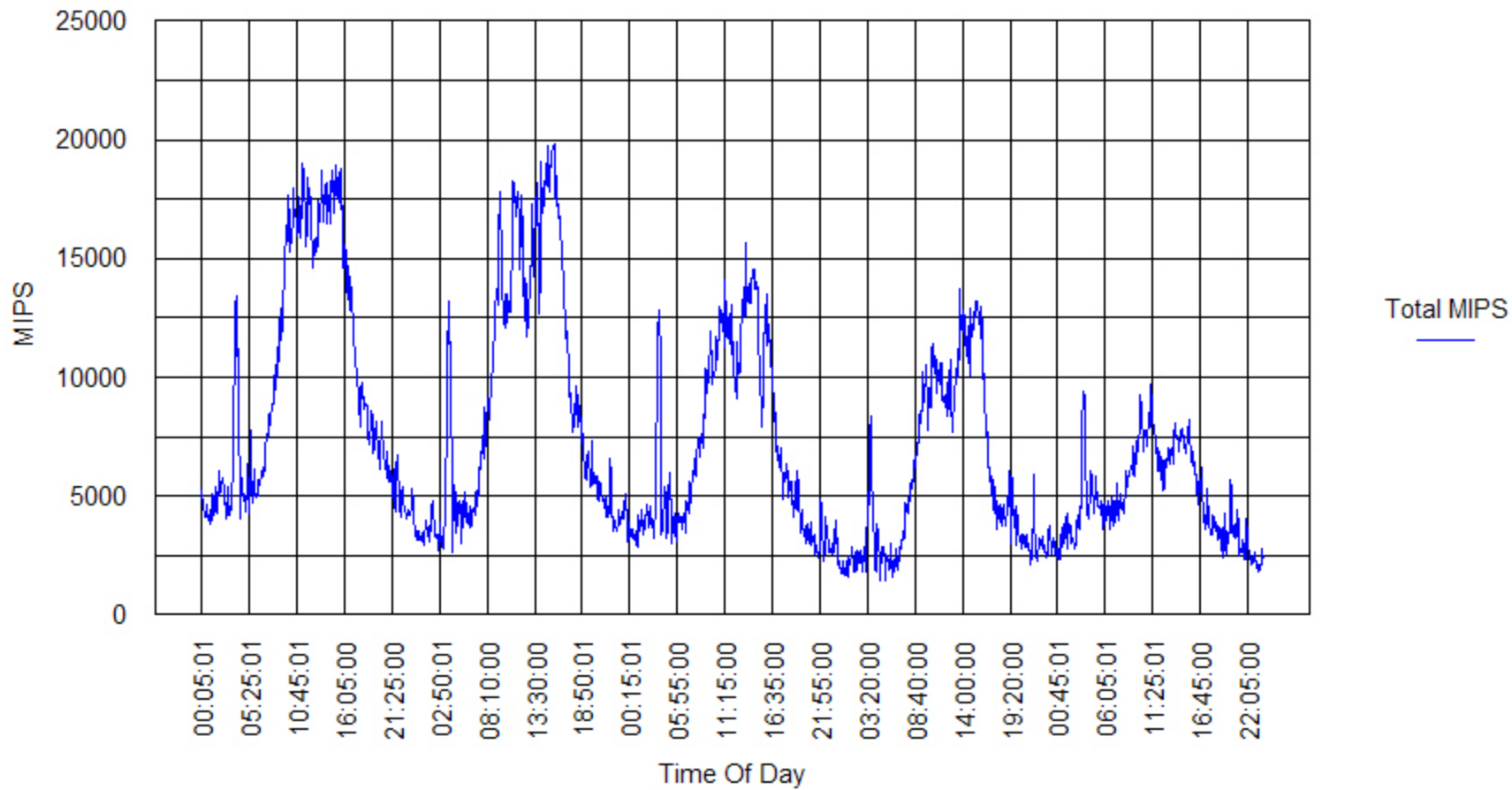
C:A1



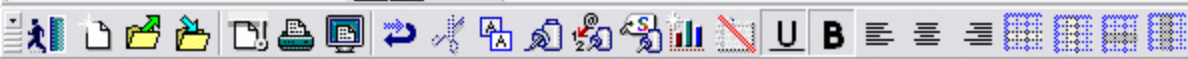
SVRwklDs UtilFiles MIPSGR T Sumbusy MIPSALL

C A B C D E F G H I J K L M N O P Q R

Total MIPS Consumed for All Servers
for 24 hours on multiple days in 5 minute intervals



Total MIPS



SVRwklDs UtilFiles MIPSGRT Sumbusy MIPSALL

E	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1394	115.38	42.51	97.16	39.82	100.34	215.02	0.00	1375.85	0.00	0.00	0.00	0.00	0.00	0.00	114.33	0.00	428.73	3280.71
1395	206.47	48.58	121.45	66.37	114.68	100.34	13.27	1375.85	0.00	0.00	0.00	0.00	0.00	0.00	142.91	0.00	28.58	3268.19
1396	188.25	42.51	72.87	53.09	100.34	86.01	0.00	1375.85	0.00	0.00	0.00	0.00	0.00	0.00	28.58	0.00	1086.12	3863.44
1397	151.82	36.44	72.87	79.64	86.01	71.67	0.00	1402.31	0.00	0.00	0.00	0.00	0.00	0.00	142.91	0.00	457.31	3270.63
1398	115.38	42.51	78.95	53.09	100.34	86.01	0.00	1375.85	0.00	0.00	0.00	0.00	0.00	0.00	171.49	0.00	514.48	3334.29
1399	127.53	42.51	91.09	66.37	86.01	100.34	0.00	1402.31	0.00	0.00	0.00	0.00	57.16	600.22	57.16	342.98	400.15	4418.57
1400	139.67	30.36	72.87	53.09	100.34	71.67	0.00	1402.31	0.00	0.00	0.00	0.00	0.00	428.73	171.49	0.00	428.73	3759.88
1401	145.75	30.36	97.16	53.09	86.01								0.00	0.00	85.75	0.00	714.55	2811.38
1402	115.38	24.29	66.80	53.09	100.34								0.00	0.00	142.91	0.00	171.49	2512.88
1403	127.53	42.51	109.31	66.37	100.34								0.00	0.00	0.00	0.00	114.33	2728.00
1404	151.82	30.36	54.65	39.82	86.01								0.00	0.00	28.58	0.00	514.48	2822.51
1405	151.82	30.36	66.80	53.09	86.01								0.00	0.00	0.00	0.00	257.24	2658.70
1406	121.45	30.36	48.58	66.37	71.67								0.00	0.00	28.58	0.00	485.89	3144.65
1407	139.67	42.51	66.80	66.37	100.34								0.00	0.00	85.75	0.00	543.06	3049.04
1408	170.04	30.36	66.80	66.37	100.34								0.00	0.00	28.58	0.00	200.07	2344.58
1409	236.84	30.36	60.73	53.09	86.01	57.34	13.27	899.60	0.00	0.00	0.00	0.00	0.00	0.00	85.75	0.00	485.89	2776.40
1410	163.96	30.36	85.02	39.82	86.01	57.34	26.55	952.51	0.00	0.00	0.00	0.00	0.00	0.00	57.16	0.00	0.00	2356.78
1411	139.67	42.51	109.31	66.37	100.34	86.01	26.55	1137.73	0.00	0.00	0.00	0.00	0.00	0.00	571.64	0.00	600.22	4068.84
1412	133.60	30.36	66.80	26.55	100.34	57.34	39.82	1031.89	0.00	0.00	0.00	0.00	0.00	0.00	743.13	0.00	485.89	3454.02
1413	145.75	36.44	72.87	26.55	71.67	57.34	26.55	846.68	0.00	0.00	0.00	0.00	0.00	0.00	800.30	0.00	57.16	2870.13
1414	133.60	30.36	66.80	26.55	86.01	57.34	13.27	767.30	0.00	0.00	0.00	0.00	0.00	0.00	285.82	0.00	257.24	2684.86
1415	236.84	42.51	91.09	53.09	86.01	71.67	26.55	873.14	0.00	0.00	0.00	0.00	0.00	0.00	85.75	0.00	85.75	2673.95
1416	200.40	30.36	91.09	26.55	86.01	57.34	53.09	978.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.16	2321.38
1417	206.47	30.36	72.87	53.09	86.01	57.34	39.82	1005.43	0.00	0.00	0.00	0.00	0.00	0.00	85.75	0.00	0.00	2415.12
1418	109.31	30.36	60.73	39.82	86.01	57.34	26.55	820.22	0.00	0.00	0.00	0.00	0.00	0.00	85.75	0.00	28.58	2098.91
1419	127.53	42.51	78.95	53.09	86.01	86.01	26.55	793.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.07	2488.93
1420	133.60	24.29	78.95	39.82	86.01	57.34	53.09	846.68	0.00	0.00	0.00	0.00	0.00	0.00	114.33	0.00	0.00	2178.89
1421	151.82	30.36	72.87	26.55	86.01	57.34	13.27	952.51	0.00	0.00	0.00	0.00	0.00	0.00	314.40	0.00	0.00	2422.95
1422	188.25	30.36	66.80	39.82	71.67	57.34	26.55	1005.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2239.91
1423	170.04	42.51	85.02	39.82	86.01	86.01	26.55	1058.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.58	2632.86
1424	218.62	30.36	85.02	26.55	86.01	57.34	13.27	740.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.58	2050.73
1425	200.40	30.36	60.73	26.55	100.34	57.34	13.27	740.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1964.74
1426	151.82	30.36	48.58	26.55	86.01	57.34	13.27	767.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2002.70
1427	127.53	36.44	54.65	53.09	86.01	71.67	0.00	767.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2136.63
1428	133.60	30.36	66.80	26.55	71.67	57.34	0.00	714.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1801.99
1429	157.89	30.36	72.87	39.82	86.01	57.34	13.27	899.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2129.20
1430	133.60	24.29	60.73	26.55	71.67	57.34	0.00	767.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1870.44
1431	139.67	36.44	66.80	53.09	100.34	86.01	13.27	793.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2292.30
1432	163.96	54.65	109.31	92.91	172.02	114.68	53.09	899.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2764.55
1433	151.82	30.36	48.58	53.09	114.68	71.67	39.82	873.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2311.96
1434																		

FYI

Peak concurrent MIPS is 18224 MIPS found in row 179 of the MIPS sheet

OK

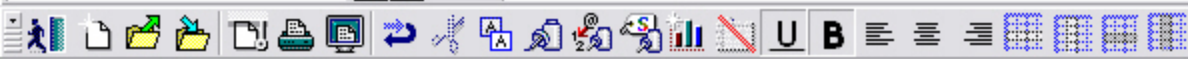


SVRwklids UtilFiles MIPSGR T Sumbusy MIPSALL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Utilization Analysis Sheet V2.5													
2														
3														
4	SCON.123 Directory=>	C:\123DATA												
5	SCON.123 File Name=>	DEMO-SCON.123												
6	SURF.123 Directory=>	C:\123DATA												
7	SURF.123 File Name=>	DEMO-SURF.123												
8														
9	Utilization Files Directory=>	C:\DEMO												
10	File Name Suffix=>	.TXT												
11	New Utilization Sheet Name=>	Sumbusy												
12														
13	Utilization Sheet=>	Sumbusy												
14	New MIPS Sheet Name=>	MIPSALL												
15														
16	MIPS Sheet=>	MIPSALL												
17	New Graph Sheet Name=>	MIPSGR T												
18	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
19	Skip X Axis Labels Increment=>	64												
20														
21	MIPS Sheet=>	MIPSALL												
22	New Graph Sheet Name=>	MIPSGRS2												
23	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
24	Skip X Axis Labels Increment=>	64												
25														
26	MIPS Sheet=>	MIPSALL												
27	Utilization Sheet=>	Sumbusy												
28	Percentile (0 to 100%)=>	98%												
29														
30	Utilization Files Directory=>	C:\DEMO												
31	File Name Suffix=>	.TXT												
32														
33	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
34	Skip X Axis Labels Increment=>	64												

Button Description:

- Import Server Definitions** Imports the Server Definitions from the SVRwklids Spreadsheet in the SCON Workbook.
- Create Utilization Sheet** Creates a summary sheet showing utilization for all the selected Servers. Select Servers in SVRwklids sheet.
- Create MIPS Sheet** Creates a summary sheet showing MIPS used based on Servers in Utilization Sheet.
- Chart Total MIPS Used** Creates a Total MIPS usage chart showing total MIPS used in MIPS Summary Sheet.
- Chart Stacked MIPS** Creates a Stacked MIPS usage chart showing total MIPS used in MIPS Summary Sheet.
- Peak MIPS Analysis** Finds the interval for peak concurrent MIPS consumed and inserts those utilizations into the SCON tool as Case 1. Peak concurrent MIPS based on selected percentile.
- Import Selected Files** Imports a separate utilization file for each selected Server. Each file is stored in a separate sheet.
- Chart Selected Files** Creates a utilization chart for each selected Server. Each chart is stored in a separate sheet with a G Suffix

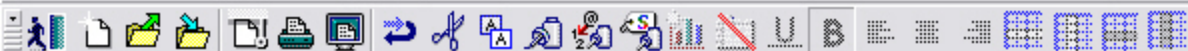


SVRwklDs UtilFiles MIPSGRT Sumbusy MIPSALL

E	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
179	309.71	200.40	157.89	26.55	1261.46	258.03	26.55	1613.98	2543.80	828.88	1514.85	1086.12	1714.92	1114.70	1286.19	171.49	1972.16	18224.22
180	279.34	145.75	163.96	26.55	1247.13	215.02	0.00	1587.52	2429.47	1286.19	1543.43	1171.86	1314.77	2229.40	1114.70	228.66	1686.34	18344.29
181	315.78	145.75	133.60	26.55	1347.47	243.69	0.00	1666.90	1972.16	886.04	1543.43	1286.19	1915.00	1371.94	1915.00	200.07	2000.74	18709.74
182	382.58	145.75	139.67	26.55	1232.79	229.36	13.27	1534.61	1429.10	1028.95	1657.76	1343.36	1800.67	1028.95	1514.85	142.91	1257.61	16890.24
183	297.56	182.18	145.75	26.55	1175.45	315.36	26.55	1666.90	1028.95	971.79	1371.94	1200.45	1572.01	1772.09	2057.91	257.24	1343.36	17980.03
184	267.20	145.75	133.60	26.55	1204.12	258.03	13.27	1666.90	1114.70	1429.10	1600.59	1314.77	1657.76	1343.36	1857.83	285.82	2115.07	18626.64
185	285.42	163.96	163.96	26.55	1132.45	258.03	0.00	1640.44	1514.85	1371.94	1600.59	1171.86	1314.77	2086.49	1800.67	342.98	1829.25	18961.54
186	285.42	194.33	121.45	26.55														
187	297.56	206.47	170.04	26.55														
188	321.85	200.40	103.24	26.55														
189	273.27	176.11	157.89	26.55														
190	273.27	224.69	127.53	26.55														
191	261.13	200.40	200.40	26.55														
192	285.42	242.91	145.75	26.55														
193	303.64	176.11	151.82	26.55														
194	273.27	188.25	157.89	26.55	1089.44	258.03	13.27	1561.07	971.79	1057.54	1171.86	1257.61	1800.67	1829.25	1657.76	142.91	1543.43	17217.10
195	279.34	151.82	151.82	26.55	1146.78	243.69	26.55	1561.07	514.48	1057.54	1143.28	685.97	1286.19	1257.61	1257.61	171.49	1371.94	14647.94
196	224.69	145.75	163.96	26.55	1103.78	200.69	13.27	1719.82	743.13	1000.37	943.21	971.79	971.79	1629.18	1800.67	171.49	1314.77	15071.20
197	267.20	121.45	133.60	26.55	1032.10	215.02	0.00	1534.61	971.79	657.39	914.63	857.46	1572.01	1943.58	1171.86	228.66	1657.76	15602.51
198	370.44	151.82	133.60	26.55	1075.11	200.69	0.00	1587.52	628.80	1000.37	971.79	771.71	1429.10	1772.09	1114.70	171.49	1143.28	14654.71
199	261.13	151.82	133.60	26.55	1132.45	301.03	13.27	1613.98	657.39	857.46	857.46	857.46	1143.28	1514.85	1257.61	257.24	1457.68	15397.29
200	273.27	182.18	127.53	26.55	1118.11	272.36	0.00	1534.61	800.30	628.80	771.71	828.88	857.46	1314.77	1314.77	114.33	1772.09	13852.44
201	224.69	133.60	121.45	26.55	1118.11	258.03	0.00	1666.90	800.30	714.55	628.80	571.64	743.13	1086.12	1429.10	114.33	1686.34	13259.26
202	255.05	157.89	139.67	26.55	1132.45	200.69	13.27	1640.44	1086.12	914.63	771.71	743.13	1371.94	771.71	1171.86	142.91	2086.49	14658.87
203	248.98	145.75	182.18	26.55	1017.77	229.36	13.27	1640.44	628.80	857.46	771.71	1057.54	743.13	1457.68	1057.54	200.07	1171.86	13854.15
204	212.54	127.53	157.89	26.55	1017.77	172.02	0.00	1613.98	800.30	971.79	800.30	771.71	1171.86	1486.27	1257.61	142.91	1314.77	14152.72
205	212.54	127.53	115.38	79.64	1017.77	157.68	0.00	1561.07	943.21	886.04	771.71	571.64	1114.70	1057.54	857.46	142.91	1343.36	12858.80
206	194.33	145.75	170.04	26.55	1046.44	172.02	13.27	1613.98	1000.37	886.04	1000.37	600.22	886.04	1229.03	1371.94	171.49	1229.03	13830.50
207	224.69	139.67	145.75	39.82	1003.43	186.35	13.27	1587.52	771.71	714.55	714.55	628.80	1800.67	1257.61	714.55	171.49	1257.61	13567.66
208	182.18	139.67	115.38	26.55	917.43	114.68	0.00	1561.07	600.22	1057.54	600.22	400.15	800.30	1829.25	685.97	114.33	1000.37	11876.28
209	212.54	115.38	121.45	26.55	960.43	129.01	0.00	1693.36	714.55	1000.37	600.22	457.31	685.97	1086.12	1143.28	114.33	971.79	11917.03
210	194.33	133.60	139.67	26.55	989.10	143.35	0.00	1640.44	628.80	743.13	457.31	400.15	1629.18	1000.37	743.13	114.33	771.71	11503.79
211	176.11	176.11	157.89	26.55	1032.10	157.68	13.27	1587.52	657.39	657.39	428.73	257.24	800.30	1114.70	1057.54	114.33	628.80	11145.61
212	176.11	133.60	127.53	26.55	946.09	129.01	0.00	1561.07	800.30	600.22	457.31	314.40	1200.45	457.31	714.55	85.75	1200.45	10682.15
213	206.47	127.53	121.45	26.55	931.76	157.68	0.00	1402.31	857.46	543.06	400.15	342.98	543.06	1028.95	628.80	85.75	1000.37	10200.43
214	170.04	97.16	78.95	26.55	903.09	100.34	0.00	1349.40	657.39	371.57	285.82	342.98	657.39	428.73	1257.61	142.91	857.46	9798.95
215	157.89	109.31	121.45	39.82	931.76	143.35	13.27	1349.40	485.89	314.40	285.82	371.57	1114.70	628.80	400.15	57.16	771.71	9483.54
216	163.96	72.87	115.38	26.55	903.09	129.01	0.00	1349.40	543.06	342.98	342.98	257.24	428.73	1171.86	485.89	57.16	600.22	8699.35
217	206.47	91.09	72.87	26.55	931.76	114.68	0.00	1349.40	485.89	228.66	171.49	200.07	914.63	257.24	886.04	57.16	1171.86	8890.78
218	170.04	97.16	97.16	26.55	874.42	143.35	13.27	1349.40	314.40	257.24	257.24	171.49	514.48	771.71	342.98	28.58	628.80	7906.49
219	406.87	334.00	327.93	39.82	888.76	172.02	13.27	1349.40	400.15	257.24	228.66	142.91	371.57	857.46	400.15	57.16	514.48	9661.87
220	370.44	130.63	131.45	26.55	889.80	114.68	0.00	1340.40	300.07	330.66	143.01	320.66	1000.13	714.55	600.04	65.76	714.55	8004.60

Analysis Complete! Max Capacity requirements shown as Concurrent Peaks for Case 1 in zCPUsum sheet

OK



Report 1a: OEM Servers and IBM System z Capacity

zPSG - Server Consolidation: Workload Summary SEP-2007C18 10/10/2007

File Help

18.123 - 10/10/07 at 13:24:51

OEM server descriptions, capacity projections, and environmentals are derived from

Ideas International
Server Consolidation Analysis Report V2
www.ideasintl.com

Consolidation Tool
olidation
applications)
data (04/27/2006)
ned to be 450 MIPS

Copy to Clipboard

OEM Sinto IBM System z Processors

No.	Application Name	# of Servers					Workload		Scalar Value	Peak Capacity			
			Vendor	Family	Chips	Cores	No	Description		Case 1	Case 2		
peaks are Complementary)									Peak	6,809	7,201		
peaks are concurrent)									Sum of Peaks	18,224	27,913		
1.	NJROS1UD10	1	IBM	pSeries	1	2	14	WAS: Little Java Conte	1.25	14.0%	77	65.0%	358
2.	NJROS1UD18	1	IBM	pSeries	1	2	14	WAS: Little Java Conte	1.25	54.0%	297	65.0%	358
3.	NJROS1UD18	1	IBM	pSeries	1	2	14	WAS: Little Java Conte	1.25	14.0%	77	65.0%	358
4.	NJROS1UD19	1	IBM	pSeries	1	2	14	WAS: Little Java Conte	1.25	17.0%	94	65.0%	358
5.	NJROS1UP21	1	IBM	eServer p5	1	2	14	WAS: Little Java Conte	1.25	24.0%	319	65.0%	863
6.	NJROS1UP21	1	IBM	eServer p5	1	2	14	WAS: Little Java Conte	1.25	17.0%	226	65.0%	863
7.	PAEHOWUD1	1	IBM	pSeries	1	2	14	WAS: Little Java Conte	1.25	60.0%	330	65.0%	358
8.	PAEHOWUD1	1	IBM	pSeries	1	2	14	WAS: Little Java Conte	1.25	39.0%	237	65.0%	395
9.	PAEHOWUD1	1	IBM	pSeries	1	2	14	WAS: Little Java Conte	1.25	33.0%	200	65.0%	395

Report 2: Capacity Summary for IBM System z

zPSG - Server Consolidation: Summary Report SEP-2007C18 10/10/2007

File Help

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System z Processor Selection Guide / Server Consolidation Tool

Linux / Unix Server Consolidation

XYZ Corp: Consolidating 27 servers (27 applications)

Capacity values derived from z/OS-1.6 LSPR data (04/27/2006)
Capacity values are relative to a 2084-301 assumed to be 450 MIPS

Projected capacity is that necessary to support these 27 Servers under z/VM
Capacity assessment is for these 27 as individual z/VM Guests
1.00 virtual CPs assumed per Virtual Machine, for total of 27; increases when real CPs > 27

Capacity Requirement for Target-CPU

Target-CPU	Case 1		Case 2	
	Complementary Peaks	Concurrent Peaks	Complementary Peaks	Concurrent Peaks
Processor model	2094-716	2094-716	2094-716	2094-716
Feature	16W	16W	16W	16W
Capacity rating (MIPS)	7,364	7,364	7,364	7,364
Capacity needed (including VM)	7,330	19,620	7,753	30,052
Projected Utilization	100%	267%	106%	409%

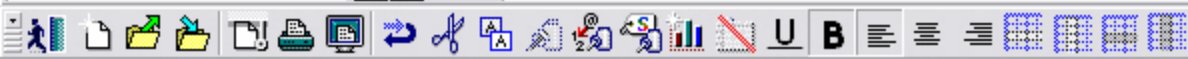
B:B36

'MIPSALL



SVRwklids UtilFiles MIPSGR T Sumbusy MIPSALL

B	A	B	C	D	E	F	G	H	I	J	K	L	M	N
21	MIPS Sheet=>	MIPSALL				Chart Stacked MIPS			Creates a Stacked MIPS usage chart showing total MIPS used in MIPS Summary Sheet.					
22	New Graph Sheet Name=>	MIPSGRS2												
23	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
24	Skip X Axis Labels Increment=>	64												
25														
26	MIPS Sheet=>	MIPSALL				Peak MIPS Analysis			Finds the interval for peak concurrent MIPS consumed and inserts those utilizations into the SCON tool as Case 1. Peak concurrent MIPS based on selected percentile.					
27	Utilization Sheet=>	Sumbusy												
28	Percentile (0 to 100%)=>	98%												
29														
30	Utilization Files Directory=>	C:\DEMO				Import Selected Files			Imports a separate utilization file for each selected Server. Each file is stored in a separate sheet.					
31	File Name Suffix=>	.TXT												
32														
33	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals												
34	Skip X Axis Labels Increment=>	64				Chart Selected Files			Creates a utilization chart for each selected Server. Each chart is stored in a separate sheet with a G Suffix.					
35														
36	MIPS Sheet=>	MIPSALL				Trim MIPS Sheet			Removes largest servers (based on peak MIPS) till peak concurrent MIPS reduced by this percent.					
37	New Trimmed MIPS Sheet=>	MIPS65												
38	% of Trimming=>	65%												
39														
40	Utilization Files Directory=>	C:\PRUDENTIAL				Align Times			Compares all Time values to first file All other files are adjusted so that Times Line up within (x) minutes.					
41	Current File Suffix=>	.TXT												
42	New File Suffix=>	.FIX												
43	Minutes Tolerance (x)=>	1												
44														
45	Utilization Files Directory=>	C:\DEMO				Add CR to end of Rec			Fixes the Input Files by adding a missing Carriage Return before the Line Feed control character.					
46	Current File Suffix=>	.CSV												
47	New File Suffix=>	.FIX												
48														
49														
50														
51														
52														
53														
54														



C	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Date	Time	NJROS1U	NJROS1U	NJROS1U	NJROS1U	NJROS1U	NJROS1U	PAEHOWL	PAEHOWL	PAEHOWL	PAEHOWL	PAEHOWL	PAEHOWL	PAEHOWL	PAEHOWL	PAEHOWL	PAEHOWL
2																		
3	00:05:01	00:05:01	71.60	77.11	77.11	66.10	318.55	703.48	181.77	78.95	163.96	85.02	145.75	66.80	97.16	53.09	903.09	86.01
4	00:10:01	00:10:01	38.56	38.56	38.56	33.05	252.19	650.38	286.42	72.87	133.60	78.95	145.75	54.65	60.73	39.82	888.76	57.34
5	00:15:01	00:15:01	44.06	44.06	38.56	33.05	238.92	650.38	214.81	72.87	145.75	91.09	194.33	66.80	85.02	26.55	917.43	57.34
6	00:20:01	00:20:01	38.56	38.56	44.06	33.05	238.92	597.29	192.78	78.95	115.38	66.80	157.89	60.73	60.73	39.82	974.76	71.67
7	00:25:01	00:25:01	66.10	71.60	71.60	60.59	305.28	212.37	99.14	91.09	170.04	72.87	157.89	60.73	54.65	53.09	974.76	71.67
8	00:30:01	00:30:01	44.06	38.56	38.56													
9	00:35:01	00:35:01	38.56	38.56	38.56													
10	00:40:01	00:40:01	38.56	38.56	38.56													
11	00:45:01	00:45:01	66.10	82.62	71.60													
12	00:50:01	00:50:01	44.06	38.56	38.56													
13	00:55:01	00:55:01	44.06	44.06	44.06													
14	01:00:01	01:00:01	38.56	44.06	44.06													
15	01:05:01	01:05:01	66.10	71.60	71.60													
16	01:10:01	01:10:01	44.06	38.56	44.06	38.56	345.10	132.73	71.60	48.58	121.45	66.80	115.38	48.58	115.38	39.82	845.75	57.34
17	01:15:01	01:15:01	44.06	38.56	38.56	27.54	292.01	132.73	71.60	48.58	127.53	48.58	170.04	42.51	48.58	26.55	831.42	57.34
18	01:20:01	01:20:01	38.56	44.06	44.06	88.13	278.74	146.00	77.11	48.58	85.02	54.65	145.75	36.44	54.65	39.82	845.75	57.34
19	01:25:01	01:25:01	71.60	77.11	71.60	60.59	318.55	398.19	77.11	72.87	115.38	78.95	133.60	48.58	66.80	79.64	931.76	86.01
20	01:30:01	01:30:01	44.06	38.56	44.06	33.05	265.46	159.28	77.11	54.65	85.02	54.65	139.67	36.44	54.65	79.64	888.76	86.01
21	01:35:01	01:35:01	38.56	38.56	49.57	27.54	252.19	0.00	66.10	54.65	85.02	54.65	182.18	42.51	36.44	53.09	860.09	71.67
22	01:40:01	01:40:01	38.56	71.60	38.56	38.56	252.19	0.00	82.62	78.95	163.96	60.73	115.38	36.44	60.73	39.82	845.75	57.34
23	01:45:01	01:45:01	121.18	104.65	121.18	55.08	305.28	0.00	110.16	103.24	163.96	85.02	127.53	54.65	72.87	53.09	860.09	86.01
24	01:50:01	01:50:01	55.08	38.56	44.06	33.05	252.19	0.00	55.08	54.65	97.16	42.51	121.45	42.51	48.58	39.82	845.75	57.34
25	01:55:01	01:55:01	66.10	44.06	38.56	33.05	252.19	0.00	49.57	54.65	103.24	54.65	163.96	36.44	36.44	39.82	845.75	57.34
26	02:00:00	02:00:00	71.60	49.57	44.06	33.05	252.19	199.10	60.59	48.58	109.31	48.58	127.53	36.44	42.51	39.82	831.42	57.34
27	02:05:00	02:05:00	82.62	104.65	71.60	60.59	305.28	1221.13	77.11	157.89	109.31	66.80	200.40	109.31	54.65	53.09	874.42	71.67
28	02:10:00	02:10:00	44.06	77.11	38.56	33.05	252.19	769.84	55.08	54.65	91.09	60.73	145.75	36.44	36.44	39.82	845.75	43.00
29	02:15:00	02:15:00	44.06	71.60	44.06	27.54	252.19	398.19	66.10	48.58	103.24	54.65	176.11	36.44	60.73	26.55	860.09	57.34
30	02:20:00	02:20:00	38.56	44.06	38.56	33.05	252.19	504.38	66.10	48.58	78.95	48.58	133.60	36.44	42.51	26.55	845.75	57.34
31	02:25:00	02:25:00	66.10	71.60	71.60	60.59	305.28	650.38	55.08	72.87	115.38	66.80	188.25	48.58	54.65	39.82	845.75	57.34
32	02:30:01	02:30:01	44.06	49.57	44.06	33.05	252.19	783.11	44.06	54.65	72.87	48.58	133.60	36.44	145.75	39.82	831.42	57.34
33	02:35:01	02:35:01	38.56	44.06	49.57	33.05	252.19	517.65	60.59	48.58	66.80	42.51	212.54	36.44	151.82	39.82	845.75	129.01
34	02:40:01	02:40:01	44.06	44.06	71.60	44.06	199.10	637.11	55.08	54.65	91.09	42.51	163.96	36.44	78.95	39.82	831.42	57.34
35	02:45:01	02:45:01	71.60	82.62	99.14	93.64	265.46	730.02	71.60	72.87	109.31	60.73	157.89	48.58	42.51	53.09	860.09	71.67
36	02:50:01	02:50:01	44.06	44.06	82.62	66.10	862.75	610.56	71.60	48.58	97.16	48.58	121.45	36.44	54.65	39.82	831.42	57.34
37	02:55:01	02:55:01	44.06	38.56	93.64	49.57	252.19	212.37	33.05	54.65	103.24	42.51	170.04	36.44	42.51	26.55	831.42	57.34
38	03:00:00	03:00:00	44.06	38.56	44.06	33.05	238.92	159.28	44.06	48.58	85.02	42.51	127.53	36.44	42.51	39.82	817.08	57.34
39	03:05:00	03:05:00	77.11	115.67	126.68	77.11	292.01	451.29	66.10	97.16	170.04	85.02	248.98	97.16	109.31	53.09	845.75	71.67
40	03:10:00	03:10:00	38.56	38.56	55.08	33.05	238.92	398.19	49.57	54.65	91.09	54.65	121.45	36.44	30.36	26.55	831.42	57.34
41	03:15:00	03:15:00	44.06	38.56	44.06	27.54	238.92	172.55	38.56	60.73	97.16	42.51	170.04	30.36	48.58	26.55	831.42	57.34

Operation Complete

Trim Complete! Of the 27 total # of Servers, 7 additional Servers were removed

OK

B:B16

'MIPS65



SVRwklDs UtilFiles MIPS65 MIPSGR T Sumbusy MIPSALL

B A B C D E F G H I J K L M N

Utilization Analysis Sheet: V2.5

Button Description:

4	SCON.123 Directory=>	C:\123DATA	Import Server Definitions	Imports the Server Definitions from the SVRwklDs Spreadsheet in the SCON Workbook.
5	SCON.123 File Name=>	DEMO-SCON.123		
6	SURF.123 Directory=>	C:\123DATA		
7	SURF.123 File Name=>	DEMO-SURF.123		
9	Utilization Files Directory=>	C:\DEMO	Create Utilization Sheet	Creates a summary sheet showing utilization for all the selected Servers. Select Servers in SVRwklDs sheet.
10	File Name Suffix=>	.TXT		
11	New Utilization Sheet Name=>	Sumbusy		
13	Utilization Sheet=>	Sumbusy	Create MIPS Sheet	Creates a summary sheet showing MIPS used based on Servers in Utilization Sheet.
14	New MIPS Sheet Name=>	MIPSALL		
16	MIPS Sheet=>	MIPS65	Chart Total MIPS Used	Creates a Total MIPS usage chart showing total MIPS used in MIPS Summary Sheet.
17	New Graph Sheet Name=>	MIPS65GRT		
18	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals		
19	Skip X Axis Labels Increment=>	64		
21	MIPS Sheet=>	MIPSALL	Chart Stacked MIPS	Creates a Stacked MIPS usage chart showing total MIPS used in MIPS Summary Sheet.
22	New Graph Sheet Name=>	MIPSGRS2		
23	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals		
24	Skip X Axis Labels Increment=>	64		
26	MIPS Sheet=>	MIPS65	Peak MIPS Analysis	Finds the interval for peak concurrent MIPS consumed and inserts those utilizations into the SCON tool as Case 1. Peak concurrent MIPS based on selected percentile.
27	Utilization Sheet=>	Sumbusy		
28	Percentile (0 to 100%)=>	98%		
30	Utilization Files Directory=>	C:\DEMO	Import Selected Files	Imports a separate utilization file for each selected Server. Each file is stored in a separate sheet.
31	File Name Suffix=>	.TXT		
33	Chart Sub Title=>	for 24 hours on multiple days in 5 minute intervals	Chart Selected Files	Creates a utilization chart for each selected Server. Each chart is stored in a separate sheet with a G Suffix
34	Skip X Axis Labels Increment=>	64		

C:A1

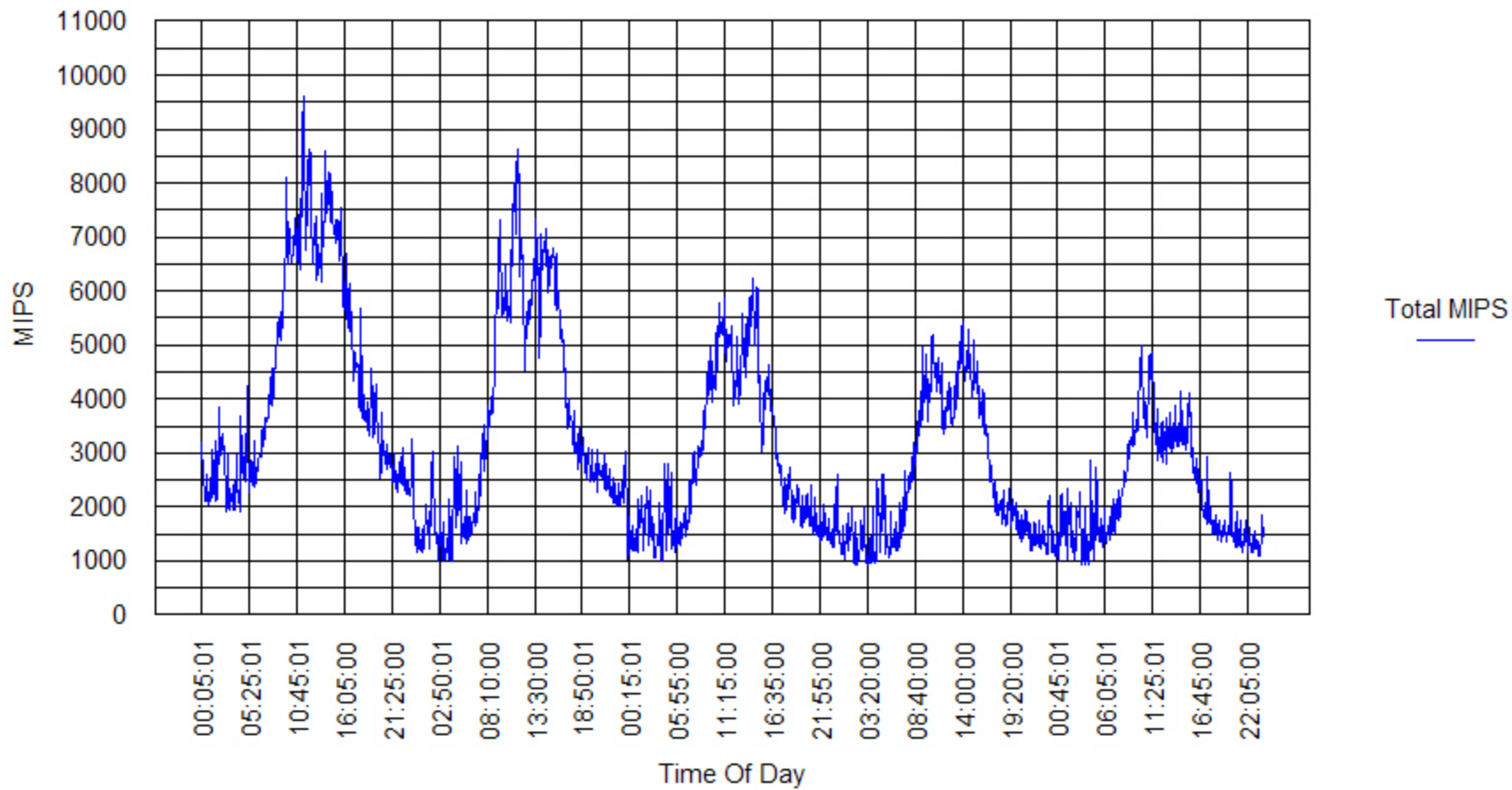


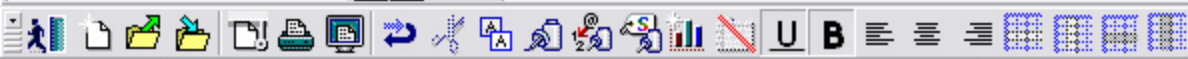
SVRwklks UtilFiles MIPS65GRT MIPS65 MIPSGRT Sumbusy MIPSALL

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Total MIPS Consumed for All Servers
for 24 hours on multiple days in 5 minute intervals





SVRwklDs UtilFiles MIPS65GRT MIPS65 MIPS65GRT Sumbusy MIPSALL

D	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	
1394	115.38	42.51	97.16	39.82	100.34	215.02	0.00		0.00			0.00				0.00		1361.80	
1395	206.47	48.58	121.45	66.37	114.68	100.34	13.27		0.00			0.00				0.00		1720.84	
1396	188.25	42.51	72.87	53.09	100.34	86.01	0.00		0.00			0.00				0.00		1372.88	
1397	151.82	36.44	72.87	79.64	86.01	71.67	0.00		0.00			0.00				0.00		1268.09	
1398	115.38	42.51	78.95	53.09	100.34	86.01	0.00		0.00			0.00				0.00		1272.47	
1399	127.53	42.51	91.09	66.37	86.01	100.34	0.00		0.00			0.00				342.98		1901.56	
1400	139.67	30.36	72.87	53.09	100.34	71.67	0.00		0.00			0.00				0.00		1328.61	
1401	145.75	30.36	97.16	53.09	86.01											0.00		1296.69	
1402	115.38	24.29	66.80	53.09	100.34											0.00		1298.88	
1403	127.53	42.51	109.31	66.37	100.34											0.00		1740.54	
1404	151.82	30.36	54.65	39.82	86.01											0.00		1274.02	
1405	151.82	30.36	66.80	53.09	86.01											0.00		1290.19	
1406	121.45	30.36	48.58	66.37	71.67											0.00		1174.95	
1407	139.67	42.51	66.80	66.37	100.34											0.00		1600.02	
1408	170.04	30.36	66.80	66.37	100.34											0.00		1295.70	
1409	236.84	30.36	60.73	53.09	86.01	57.34	13.27		0.00			0.00				0.00		1305.16	
1410	163.96	30.36	85.02	39.82	86.01	57.34	26.55		0.00			0.00				0.00		1347.10	
1411	139.67	42.51	109.31	66.37	100.34	86.01	26.55		0.00			0.00				0.00		1759.25	
1412	133.60	30.36	66.80	26.55	100.34	57.34	39.82		0.00			0.00				0.00		1193.10	
1413	145.75	36.44	72.87	26.55	71.67	57.34	26.55		0.00			0.00				0.00		1165.99	
1414	133.60	30.36	66.80	26.55	86.01	57.34	13.27		0.00			0.00				0.00		1374.50	
1415	236.84	42.51	91.09	53.09	86.01	71.67	26.55		0.00			0.00				0.00		1629.32	
1416	200.40	30.36	91.09	26.55	86.01	57.34	53.09		0.00			0.00				0.00		1285.25	
1417	206.47	30.36	72.87	53.09	86.01	57.34	39.82		0.00			0.00				0.00		1323.94	
1418	109.31	30.36	60.73	39.82	86.01	57.34	26.55		0.00			0.00				0.00		1164.36	
1419	127.53	42.51	78.95	53.09	86.01	86.01	26.55		0.00			0.00				0.00		1495.09	
1420	133.60	24.29	78.95	39.82	86.01	57.34	53.09		0.00			0.00				0.00		1217.88	
1421	151.82	30.36	72.87	26.55	86.01	57.34	13.27		0.00			0.00				0.00		1156.03	
1422	188.25	30.36	66.80	39.82	71.67	57.34	26.55		0.00			0.00				0.00		1234.48	
1423	170.04	42.51	85.02	39.82	86.01	86.01	26.55		0.00			0.00				0.00		1545.93	
1424	218.62	30.36	85.02	26.55	86.01	57.34	13.27		0.00			0.00				0.00		1281.30	
1425	200.40	30.36	60.73	26.55	100.34	57.34	13.27		0.00			0.00				0.00		1223.89	
1426	151.82	30.36	48.58	26.55	86.01	57.34	13.27		0.00			0.00				0.00		1235.40	
1427	127.53	36.44	54.65	53.09	86.01	71.67	0.00		0.00			0.00				0.00		1369.33	
1428	133.60	30.36	66.80	26.55	71.67	57.34	0.00		0.00			0.00				0.00		1087.61	
1429	157.89	30.36	72.87	39.82	86.01	57.34	13.27		0.00			0.00				0.00		1229.60	
1430	133.60	24.29	60.73	26.55	71.67	57.34	0.00		0.00			0.00				0.00		1103.14	
1431	139.67	36.44	66.80	53.09	100.34	86.01	13.27		0.00			0.00				0.00		1498.54	
1432	163.96	54.65	109.31	92.91	172.02	114.68	53.09		0.00			0.00				0.00		1864.95	
1433	151.82	30.36	48.58	53.09	114.68	71.67	39.82		0.00			0.00				0.00		1438.82	
1434																			

FYI

Peak concurrent MIPS is 7540 MIPS found in row 152 of the MIPS sheet

OK

Report 2: Capacity Summary for IBM System z

zPSG - Server Consolidation: Summary Report SEP-2007C18 10/10/2007

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System z Processor Selection Guide / Server Consolidation Tool

Linux / Unix Server Consolidation

XYZ Corp: Consolidating 27 servers (27 applications)

Capacity values derived from z/OS-1.6 LSPR data (04/27/2006)
Capacity values are relative to a 2084-301 assumed to be 450 MIPS

Processor model	2094-728	2094-728	2094-728	2094-728
Feature	28W	28W	28W	28W
Capacity rating (MIPS)	10,821	10,821	10,821	10,821
Capacity needed (including VM)	3,176	7,960	7,602	29,467
Projected Utilization	30%	74%	71%	273%

Smallest processor satisfying capacity requirement within 90% SDP

	Case 1		Case 2	
	Complementary Peaks	Concurrent Peaks	Complementary Peaks	Concurrent Peaks
System z9-BC				
Processor model	None	None	None	None
Feature				
Capacity rating (MIPS)				

For More Information please contact...

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