

Performance Management for Power Systems

Philippe Joudrain; IBM senior IT specialist.



- Historique, PM400 dans les années 90
- Utilité
- Côté client, la collecte des données de performance
- Transmission des données vers IBM
- Traitement
- Analyse
- Exploitation des résultats

Point d'entrée incontournable

<http://www.ibm.com/systems/power/support/pm/>

PM for Power Systems

IBM Performance Management for Power Systems

Overview	Getting started	FAQ	Resources	News
Intro	Description	Benefits	Terms & conditions	Contact

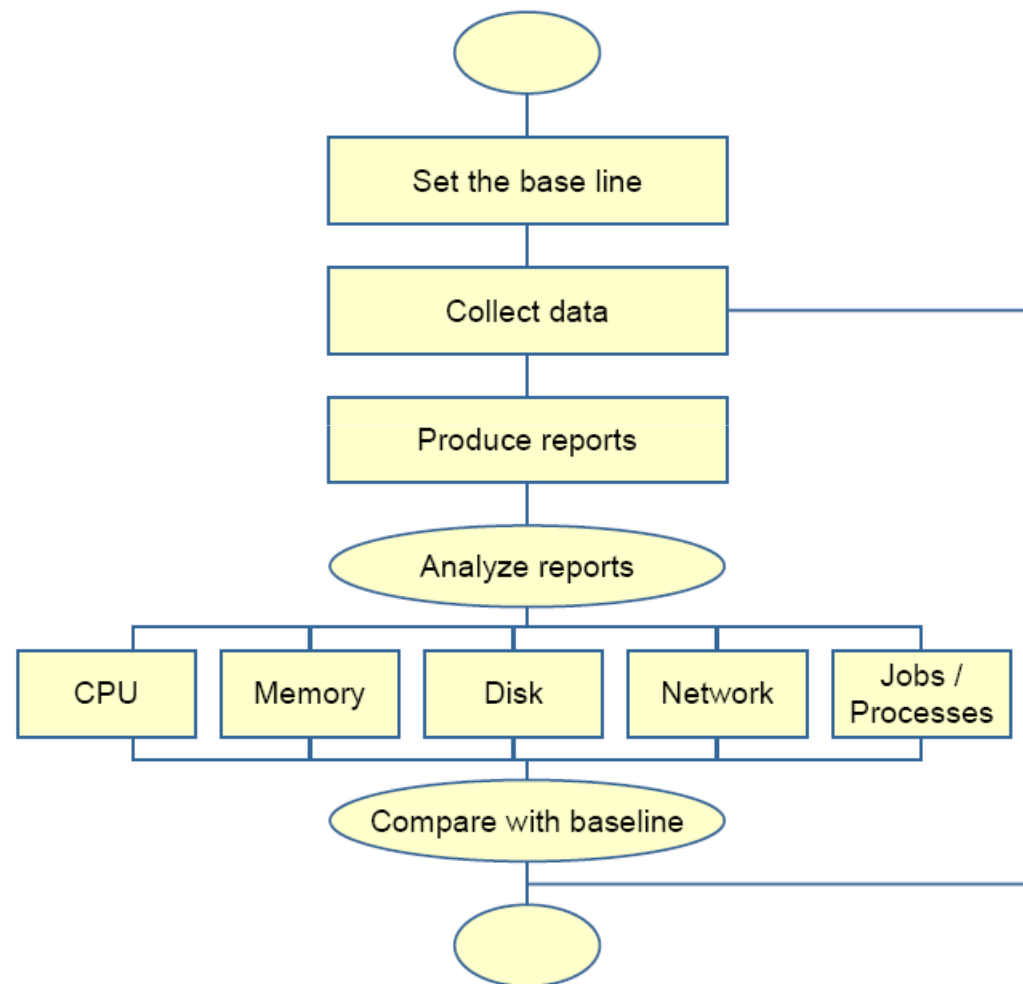
Collecte des données de performance

- Etendue
- Ressources système
- Mise en œuvre

Transmission des données vers IBM

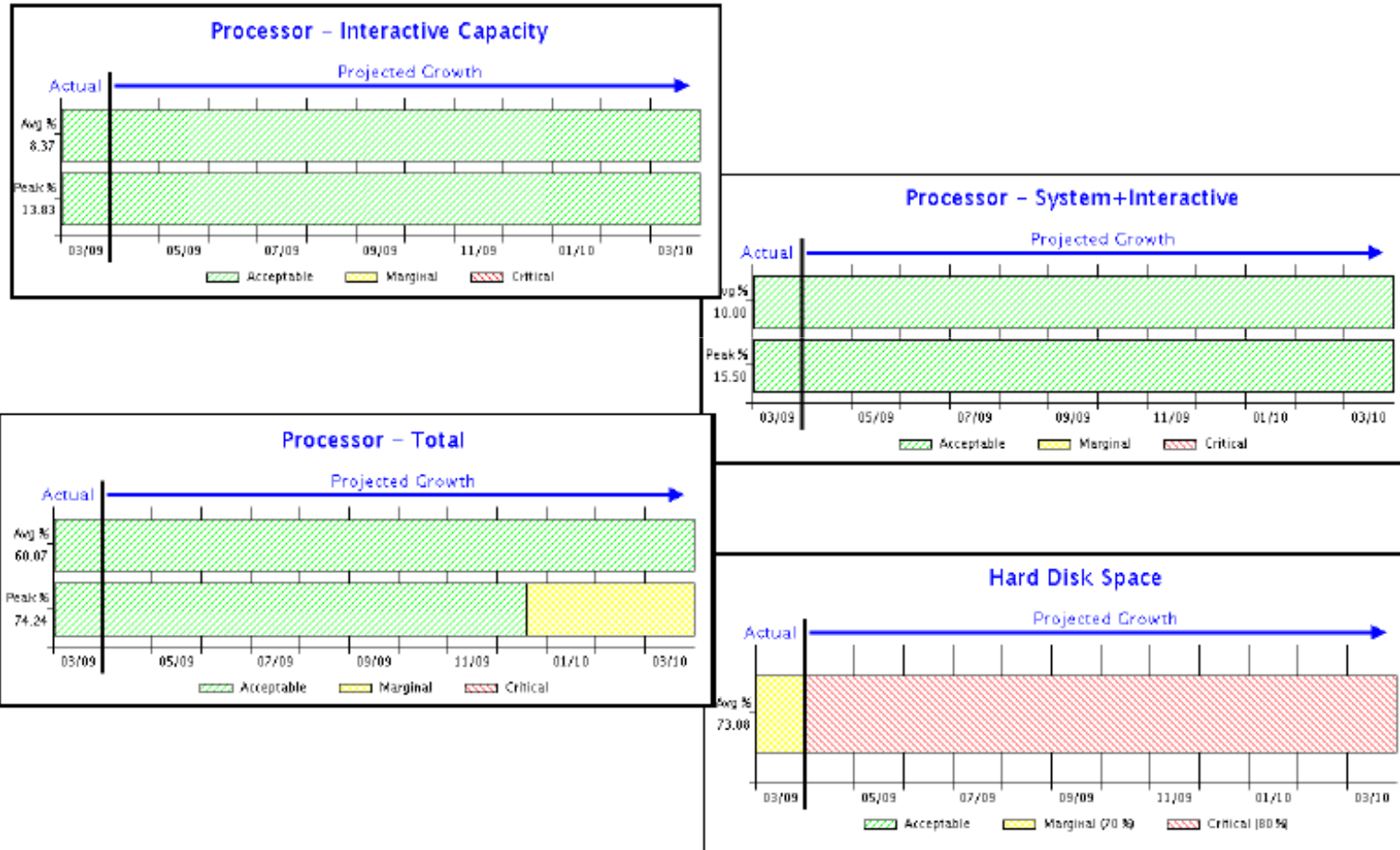
- Historiquement par SNA
- Aujourd'hui par ESA
(Management central, HMC, ...)

Traitement

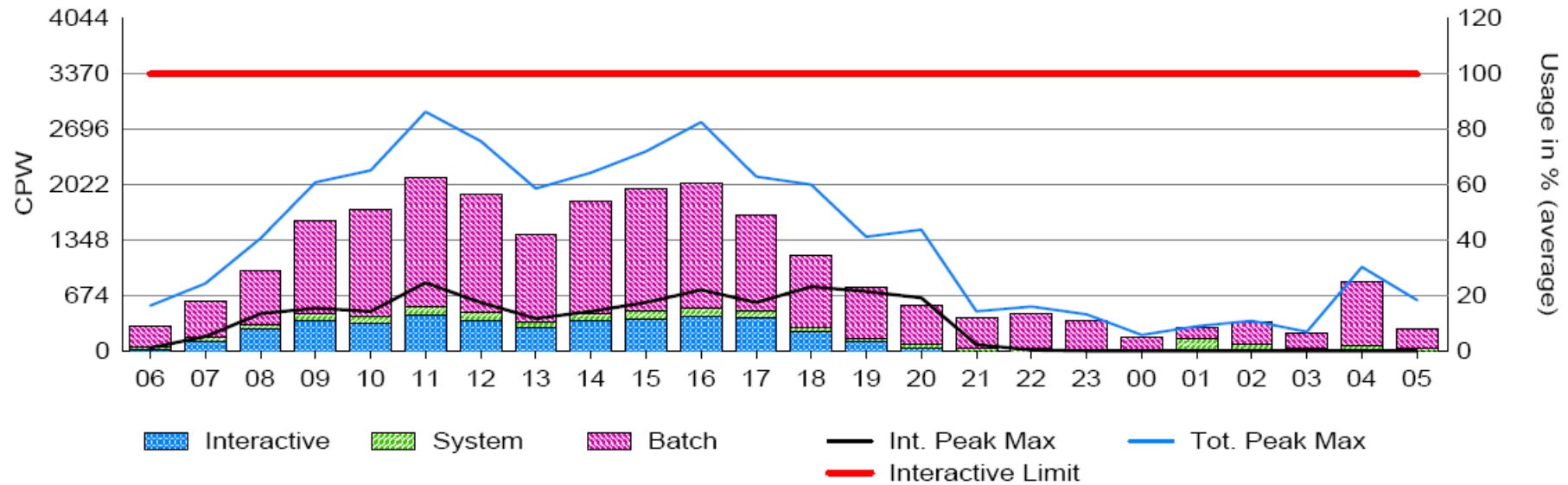


Analyse

Management Summary Graphs

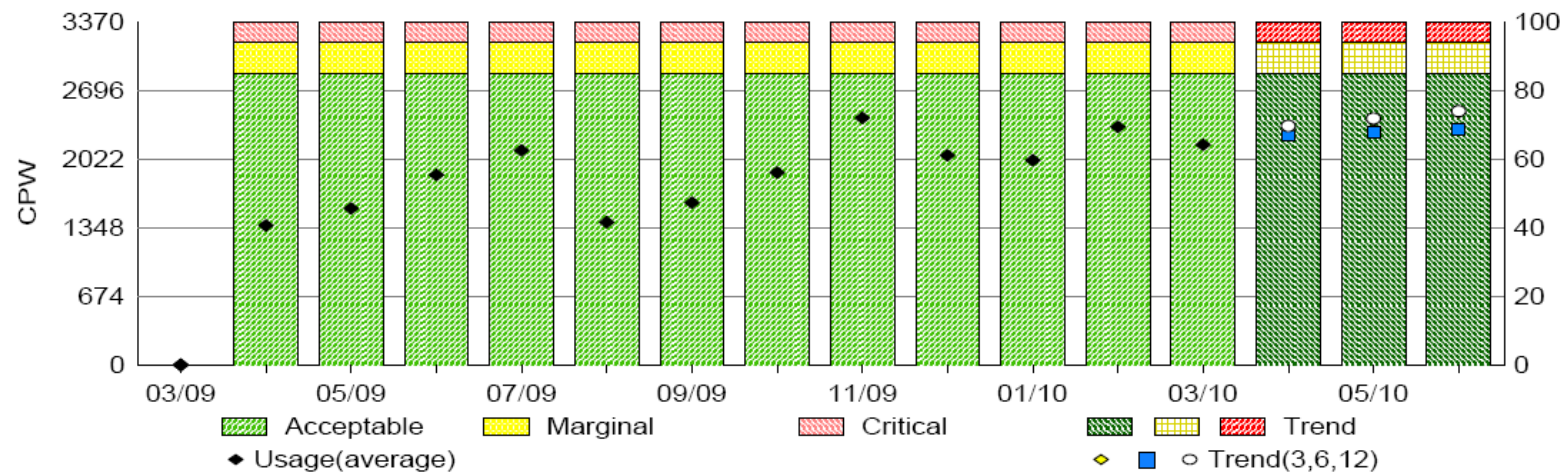


Usage By the Hour, Average During the Period

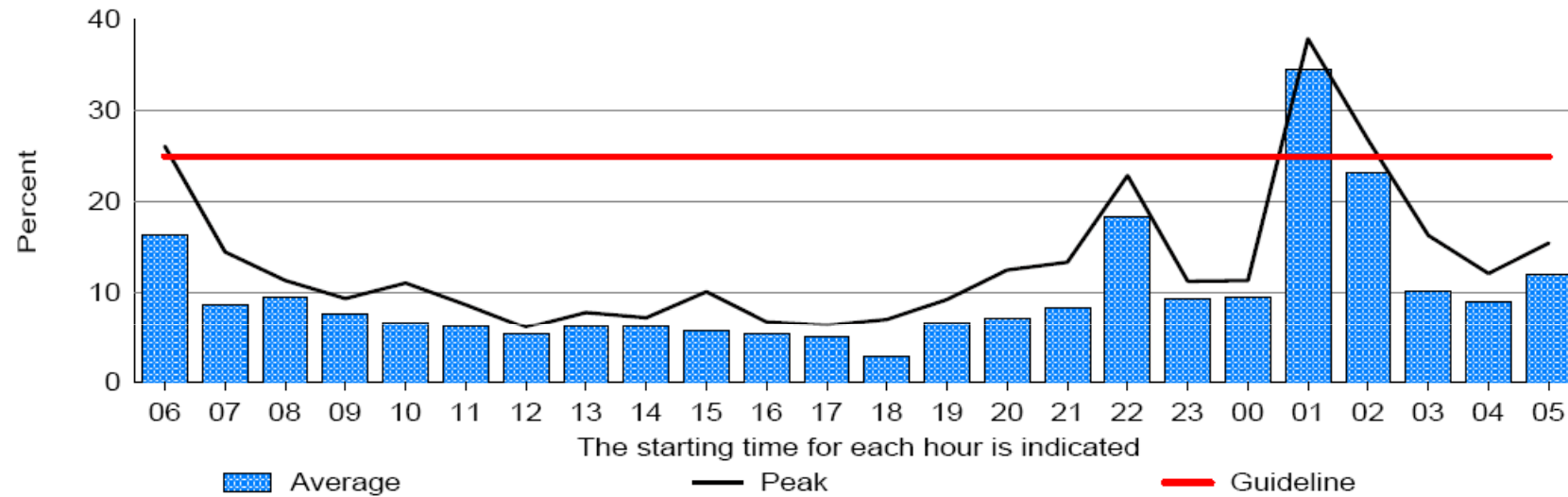


Peak Processor Utilization, Total

Three month trend, the two heaviest hours per measured day



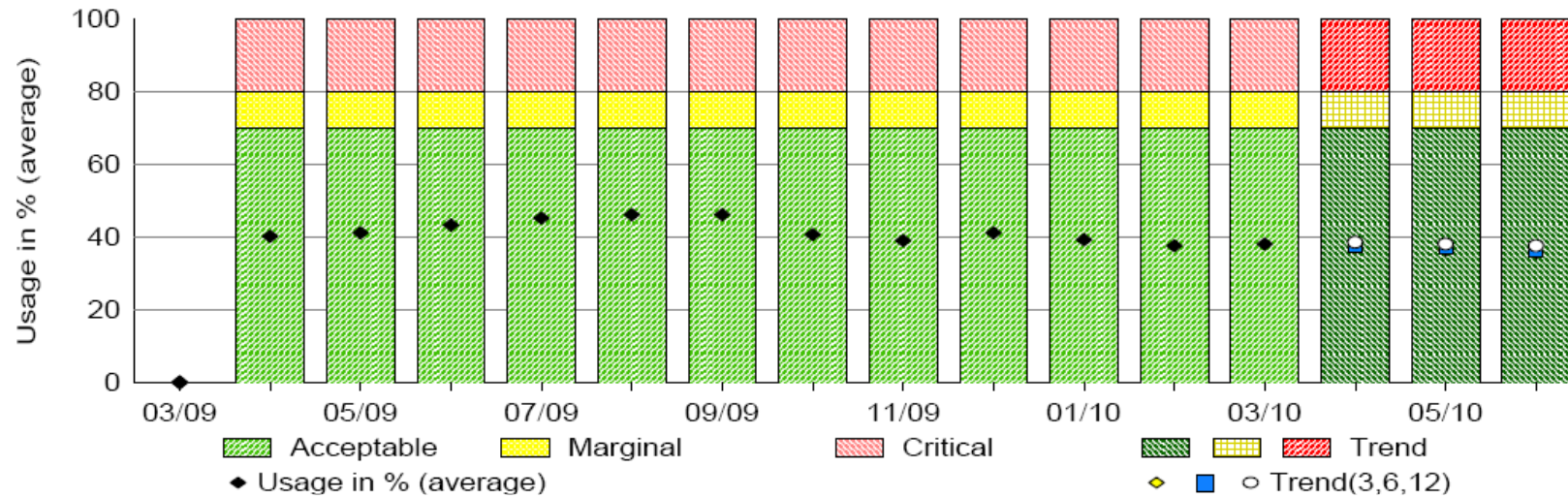
Percent of Time Faulting, Per Hour



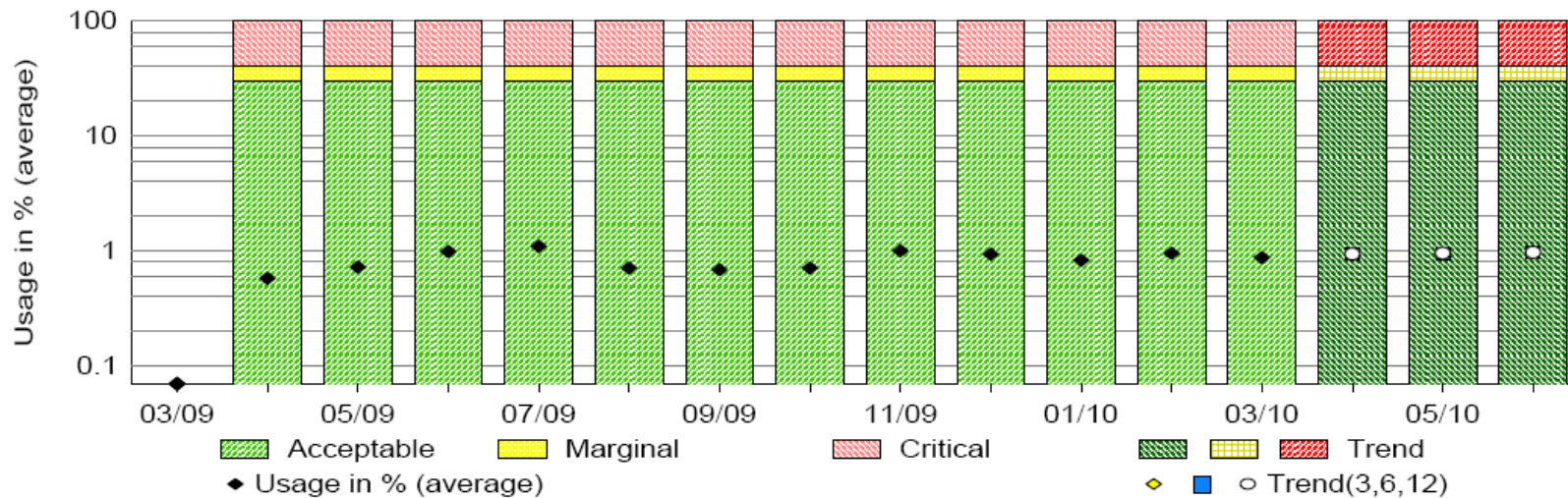
Recommended Guideline in %

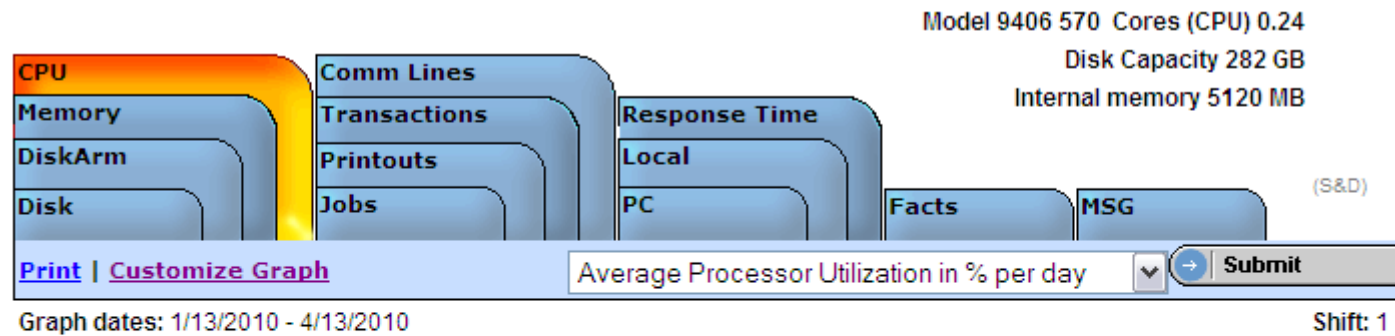
Category	Value (%)
Marginal	20
Critical	25

Disk Space Usage in %, 3 Month Trend

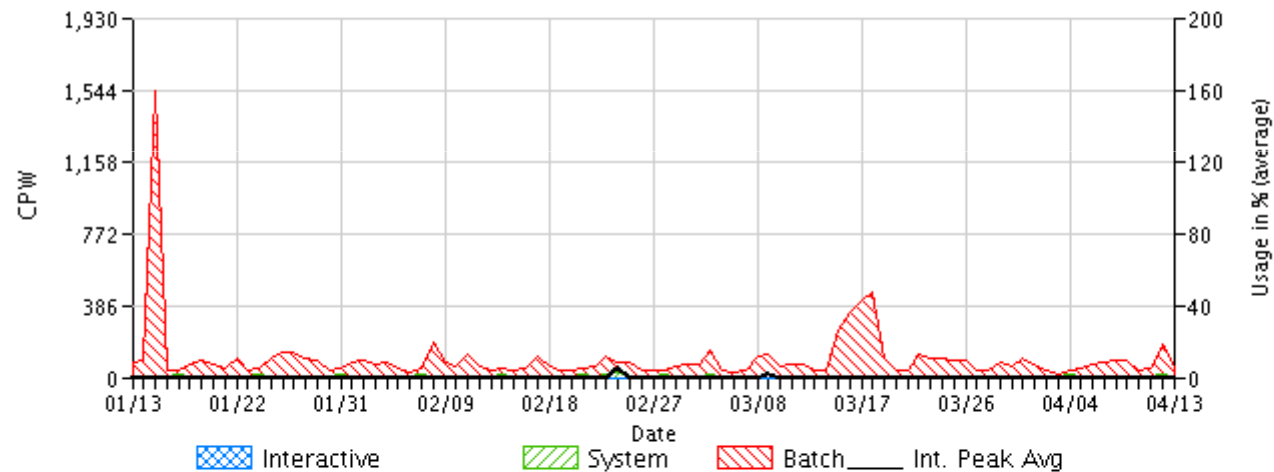


Peak Disk Arm Utilization in %



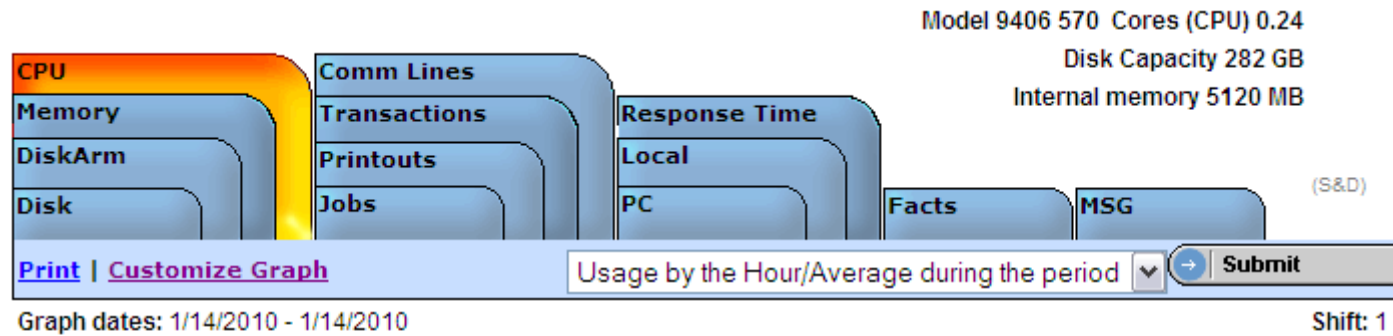


Average Processor Utilization in % per Day

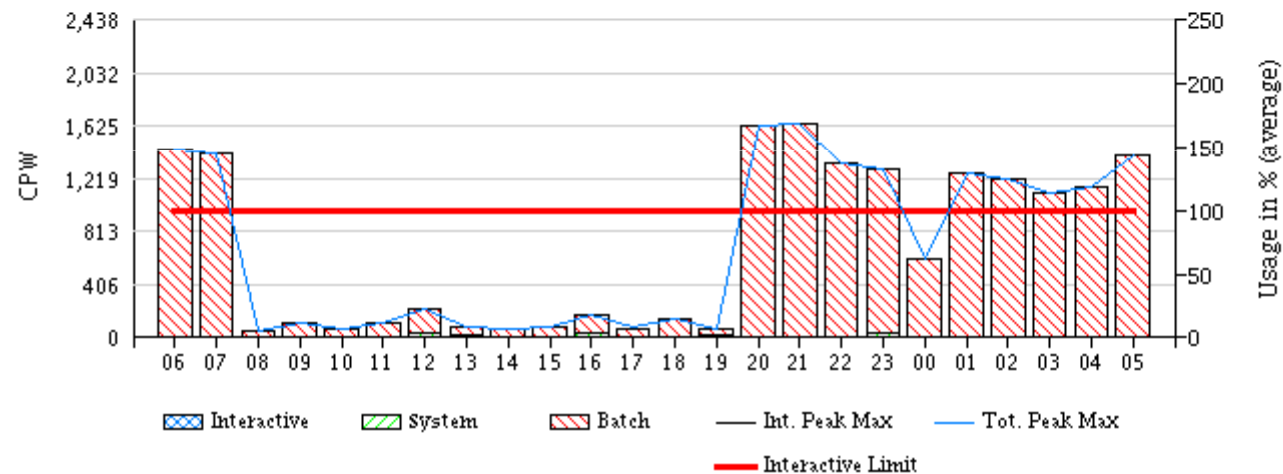


Facts

	Avg %	
	Marginal	Critical
Recommended guideline in %, interactive priority	40	55
Recommended guideline in %, system + interactive priority	45	60
Recommended guideline in %, all priorities	80	90

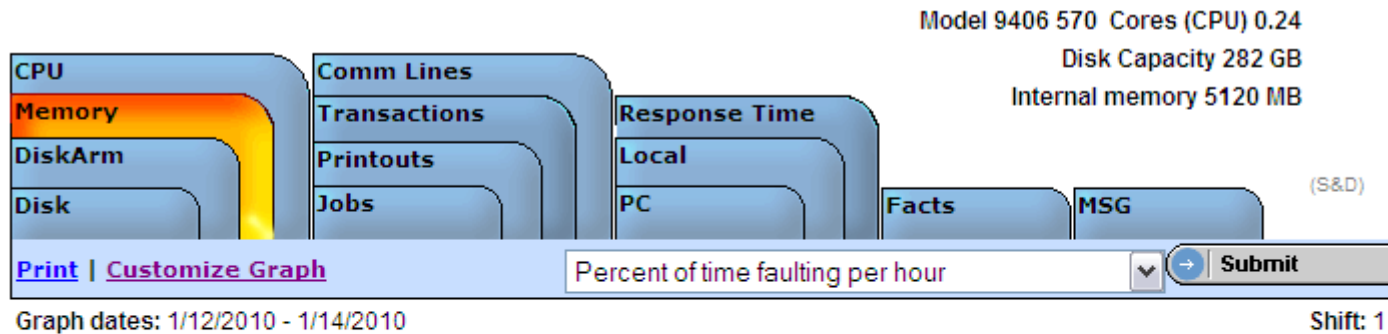


Usage By the Hour, Average During the Period

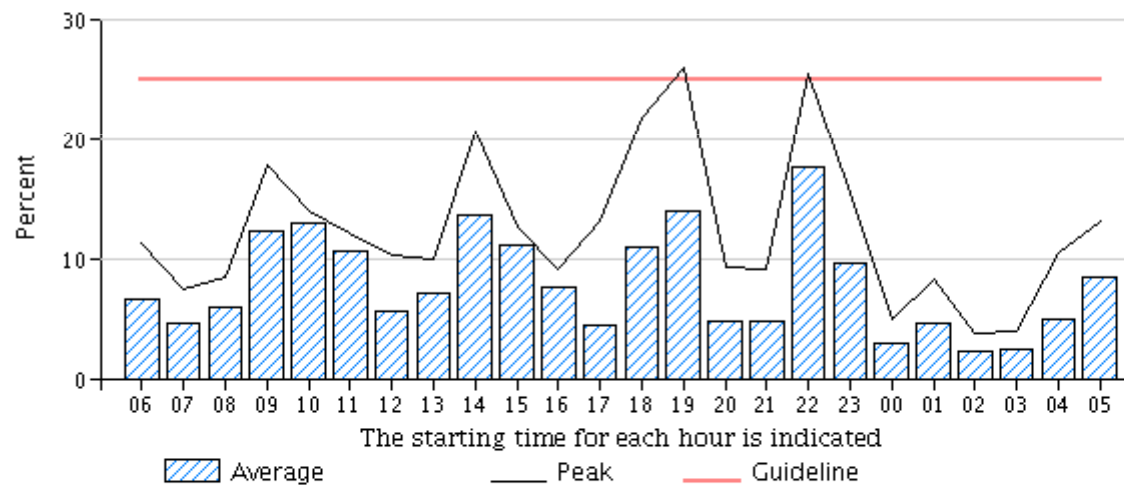


Facts

	Marginal	Avg % Critical
Recommended guideline in %, interactive priority	40	55
Recommended guideline in %, system + interactive priority	45	60
Recommended guideline in %, all priorities	80	90



Percent of Time Faulting, Per Hour



Facts

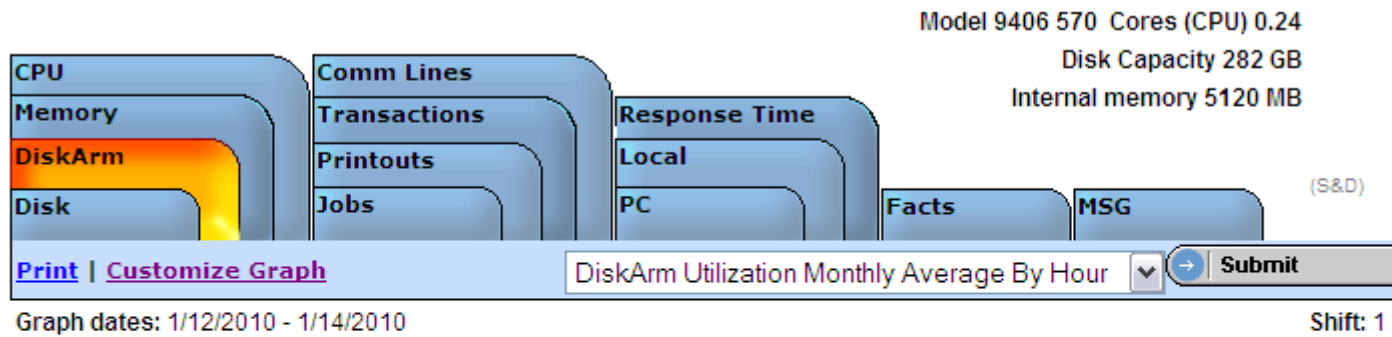
Marginal

Critical

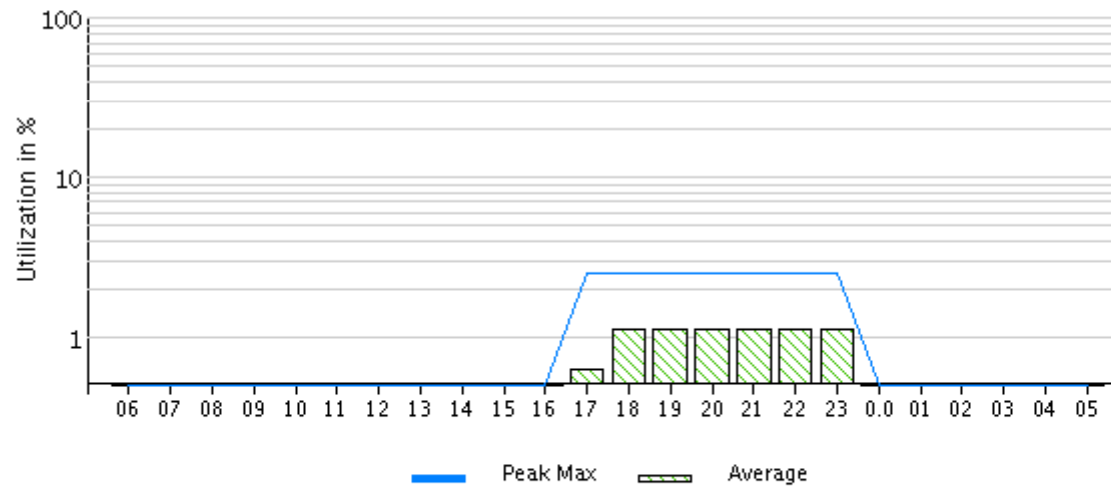
Recommended Guideline in %

20

25



DiskArm Utilization Monthly Average by Hour



Facts

Marginal

Critical

Recommended Guideline in %

30%

40 %

Server Information

Manage Groups

Performance Management for Power Systems

Group: CH

(search on Company Name) (S&D)

Copy Servers

Size Next Upgrade

Export Data to CSV

Search within Group

Sign Out

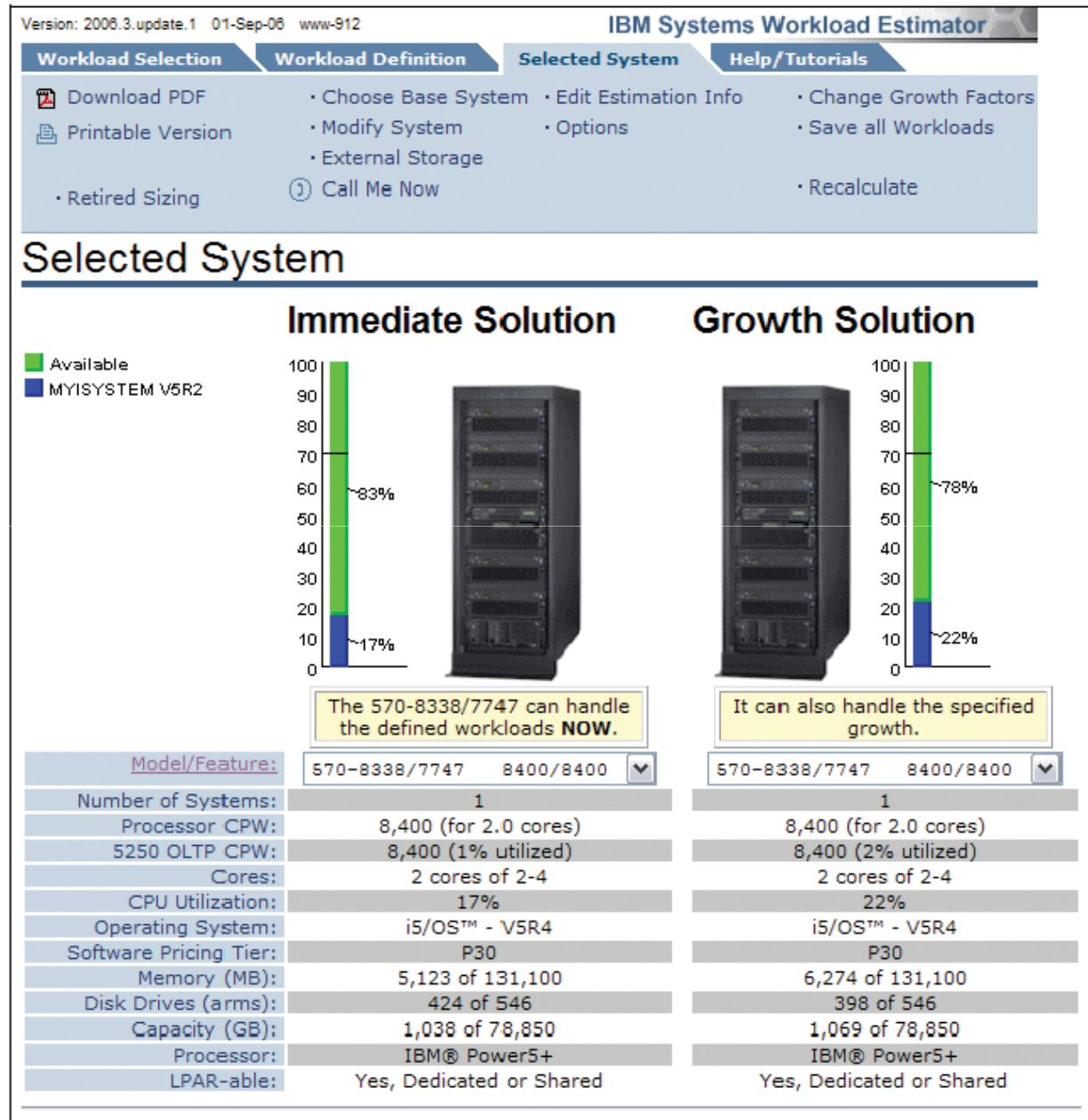
Displaying servers 1 to 16 of 16

Refresh Group Data

Clear Search Criteria

Actions	Company Name	Serial Number	LPAR	Model	Shift Number	Operating System	Contract	Server Name	Last Transmission Date	Number of Configured CPUs	Peak Total CPU %	CPU Months to Constraint	Average Total CPU %	Peak Interactive CPU % (i5/OS)	% Peak Avg Batch / User CPU	% Time Run Q > Limit (AIX)	Memory (MB)	Memory % Used (AIX)	Disk Space % Used	File System % Used (AIX)
	IBM Switzerland	1077E6C	0004	S20	1	AIX		NIMSERVER	2010-04-18	0.20	11.45	12	7.67		4.40	0.18	2048.0	96.85	21.94	57.93
	IBM Switzerland	1077E6C	0004	S20	2	AIX		NIMSERVER	2010-04-18	0.20	11.20	12	6.90		4.65	0.18	2048.0	98.26	21.94	57.93
	IBM Switzerland	1077E6C001	0001	S20	1	i5/OS		CHIBM2A	2009-06-09	0.60	2.49	12	2.27	0.00	1.98		3904.0		23.37	
	IBM Switzerland	1077E6C001	0001	S20	2	i5/OS		CHIBM2A	2009-06-09	0.60	3.66	12	2.57	0.00	3.11		3904.0		23.38	
	IBM Switzerland	1077E6C002	0002	S20	1	i5/OS		CHIBMCE2	2009-07-07	1.00	2.17	12	0.94	0.23	1.39		6144.0		55.92	
	IBM Switzerland	1077E6C002	0002	S20	2	i5/OS		CHIBMCE2	2009-07-07	1.00	4.96	12	3.32	0.02	4.19		6144.0		55.84	
	IBM Switzerland	656FF8C		S20	1	i5/OS		CHSSOFFP1	2010-03-29	0.32	4.10	12	1.67	0.00	3.34		7744.0		66.16	
	IBM Switzerland	656FF8C		S20	2	i5/OS		CHSSOFFP1	2010-03-29	0.32	1.63	12	0.91	0.00	1.24		7744.0		65.19	
	IBM Switzerland	657518F001	0001	S20	1	i5/OS		CHIBMCE3	2010-04-19	0.50	2.68	12	2.01	0.00	2.24		5120.0		26.96	
	IBM Switzerland	657518F001	0001	S20	2	i5/OS		CHIBMCE3	2010-04-19	0.50	5.71	12	2.57	0.00	3.25		5120.0		26.97	
	IBM Switzerland	65C6F6F	0003	S70	1	AIX		GABI	2010-04-19	1.00	0.78	12	0.61		0.31	0.00	2304.0	87.43	24.62	59.42
	IBM Switzerland	65C6F6F	0003	S70	2	AIX		GABI	2010-04-19	1.00	1.87	12	0.76		1.08	0.00	2304.0	87.65	24.62	59.42

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