

Cooking with Systems Director

→ Active Energy Manager ←



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Favourite Systems Director plug-ins for POWER/AIX

Active Energy Manager
VMControl Image Mgr
Workload Partition Manager

VMControl System Pools



Installation of AEM

Download Plugin for AIX from

http://www.ibm.com/systems/software/director/resources.html



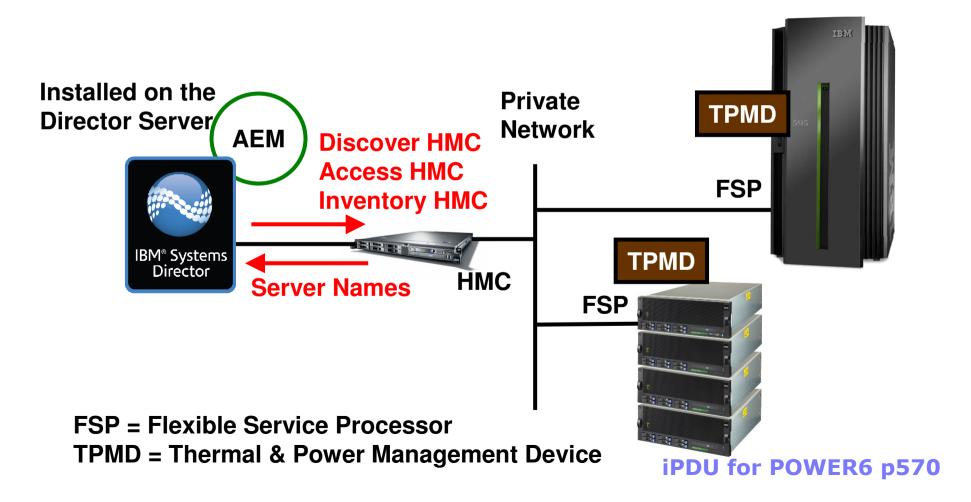
See **AEM** Install Movie

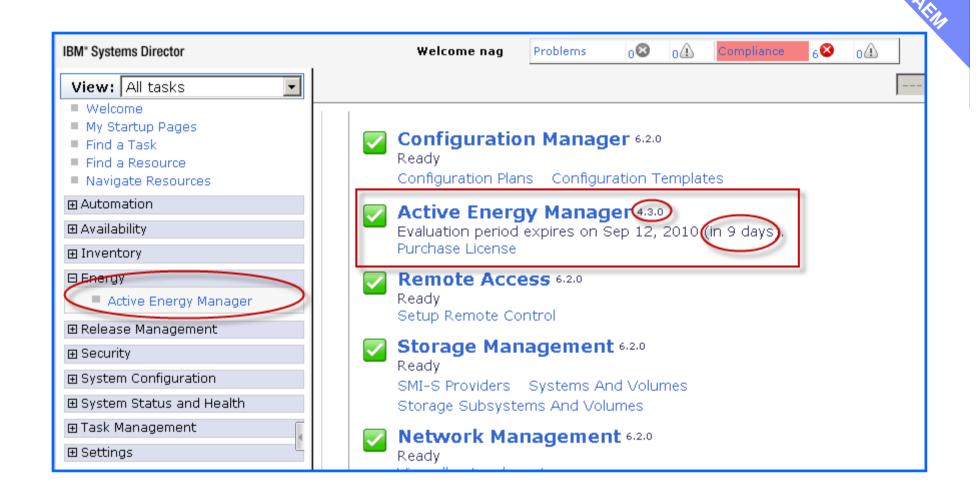
http://www.ibm.com/developerworks/wikis/display/wikiptype/movies

Movie covers "silent mode" but you could also use graphical install via VNC

Director 6 Active Energy Manager – Plug-in

- Managed at Server level
- No AIX Common Agent required





Active Energy Manager

Work with power-managed resources. View recent power Configure power settings and automate tasks in respon

Status

Top 5 highest average input power values

Today

1,577W Purple Power

77...

962,607W p550-8way

615.496W orange-

8203-F4A...

556.54W red-8203-

E4A-SN...

520.938W bronze-

8203-F4A...

Top 5 highest ambient temper

Today

41C IBM DPI

39C IBM DPI

28C diamond-

8233-E8...

26C orange-

8203-E4A...

25C 4 others

Last 30 days

1,588W Purple Power

77...

39

962,607W p550-8way

625,278W orange-

8203-F4A...

570.53W red-8203-

Monitor

Select a resource and press Show Active Energy Information for quick access to energy-related properties and tasks.

diamond-8233-E8B-SN100271P ▼ Browse...

Show Active Energy Information

Work with resources managed by Active Energy Manager, Navigate to a resource, right-click, and choose an action.



Monitor Tasks

View trend data

Calculate energy cost

View Active Energy monitors

Manage

Set power caps and power savings mode. Configure power and environmental metering devices.

The number of resources using power management functions

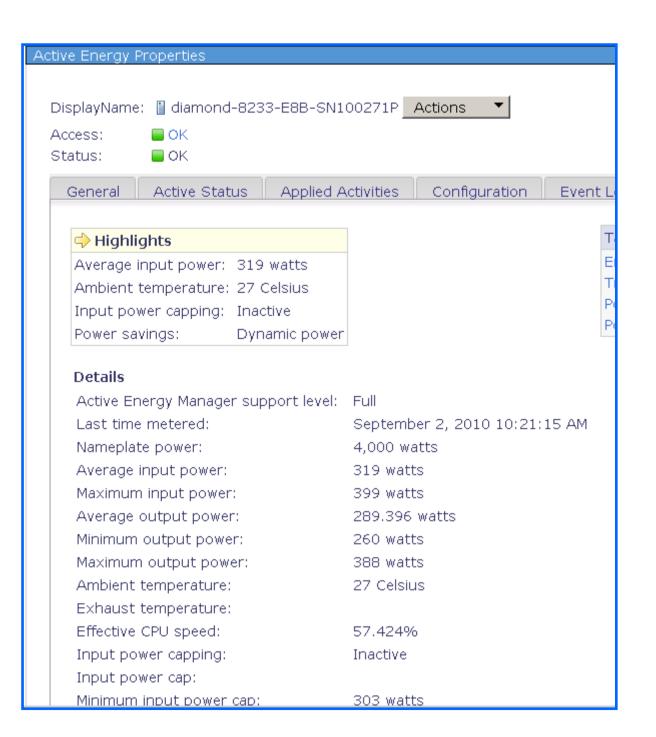
Currently 1 Power cap Today 1 Power cap

Management Tasks

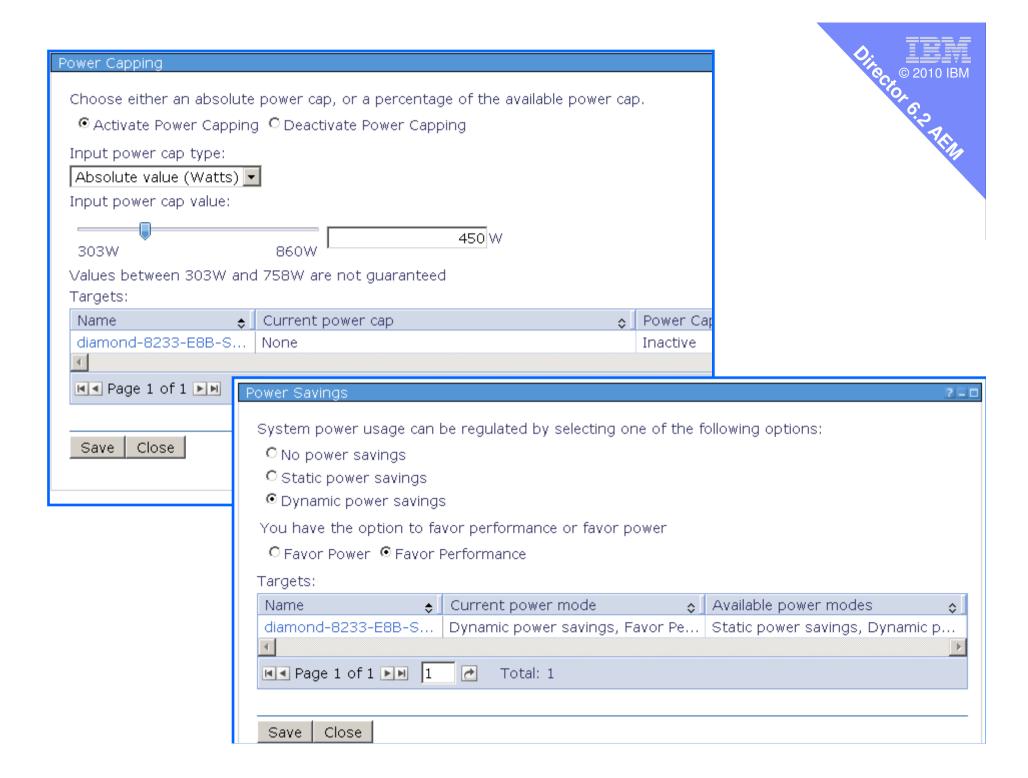
Work with power policies Set power cap Set power savings options

Configure metering device





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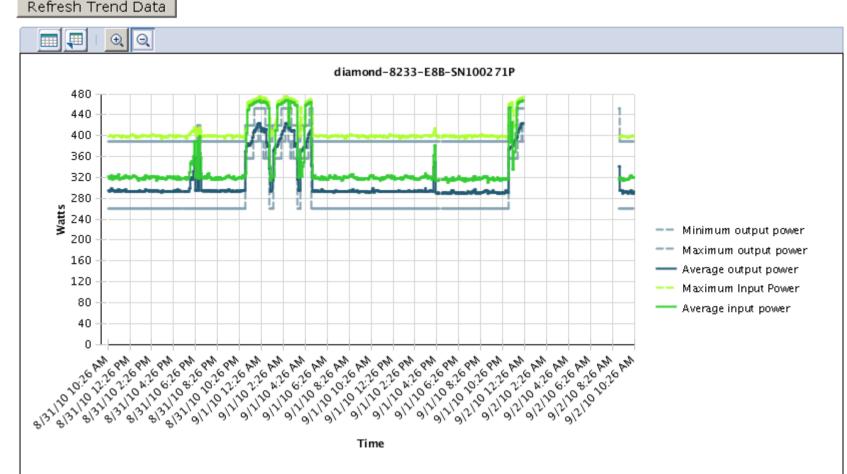


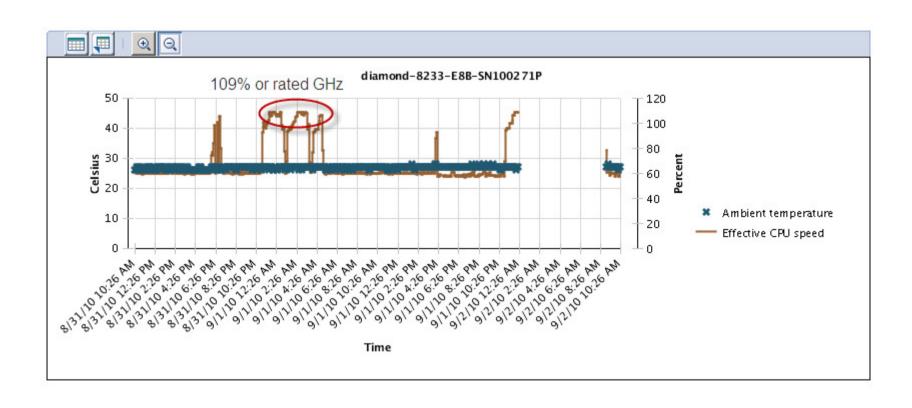
diamond-8233-E8B-SN100271P 🔻 Browse... Target:

Time period: Last 48 hours Custom settings

Options Chart:

Refresh Trend Data



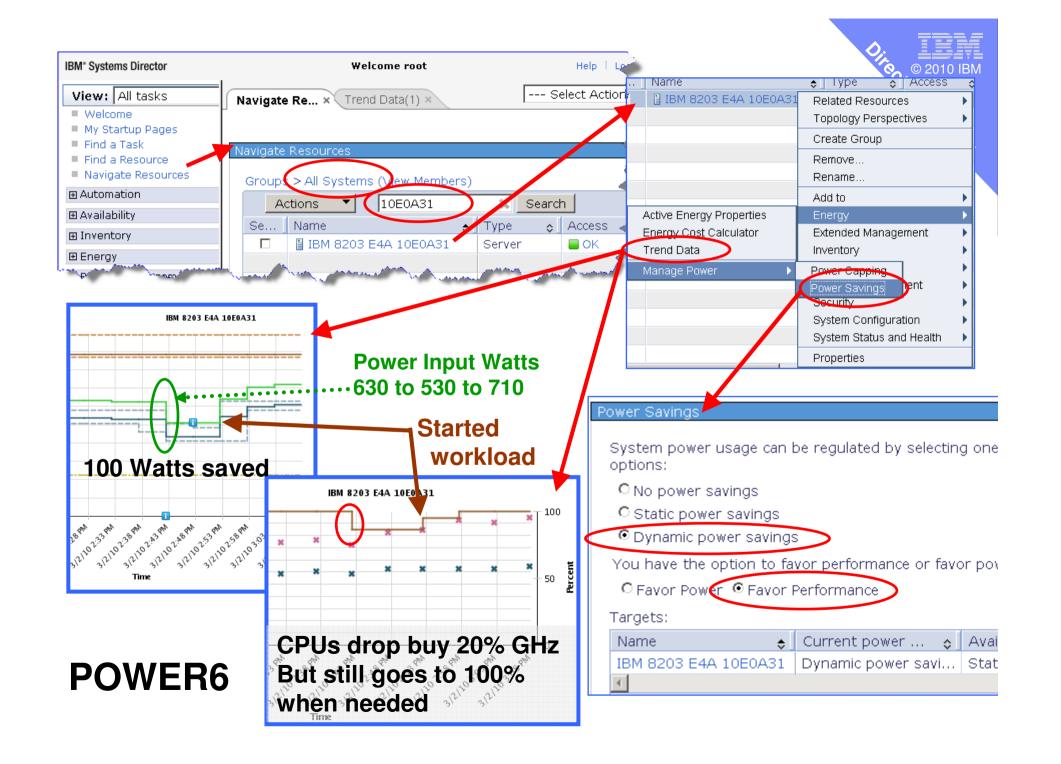


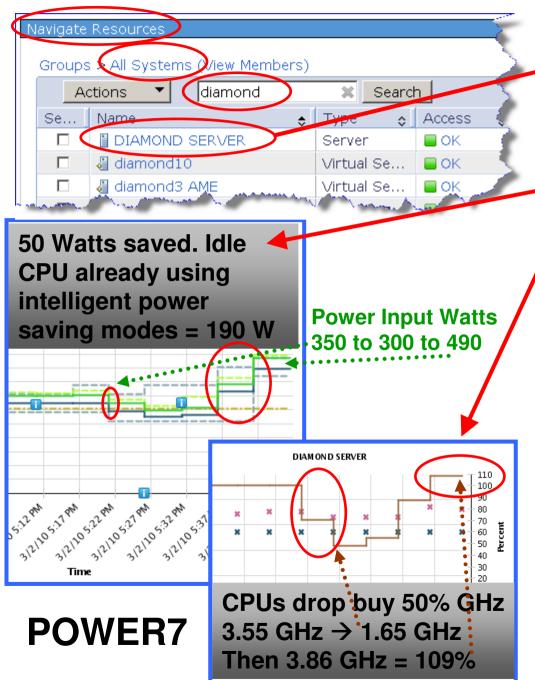
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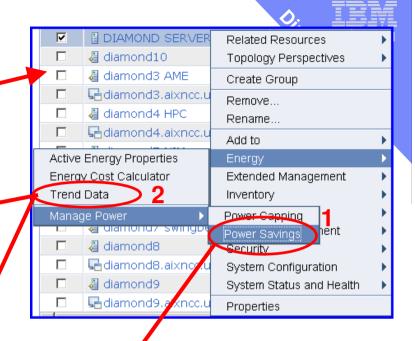
Numeric view of the same numbers

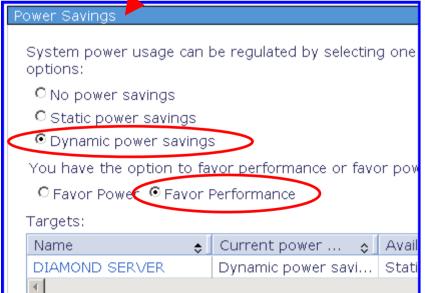
Start Time 💠	\$	Ambien ♦	Ambien ♦	Exhaus 💠	Humidity 💠	Humidi ≎	Effectiv ♦
Aug 31, 2010 11:40:							107.196
Aug 31, 2010 11:46:		26					
Aug 31, 2010 11:46:							108.209
Aug 31, 2010 11:51:		27					
Aug 31, 2010 11:51:							105.194
Aug 31, 2010 11:56:		27					
Aug 31, 2010 11:56:							106.35
Sep 1, 2010 12:01:04	1.1	27					
Sep 1, 2010 12:01:04							108.355
Sep 1, 2010 12:06:06		26					
Sep 1, 2010 12:06:06							108.661
Sep 1, 2010 12:11:08		26					
Sep 1, 2010 12:11:08							108.661
Sep 1, 2010 12:16:10		26					
Sep 1, 2010 12:16:10							108.661
Image 22 of 63 Image 22 Image 22 Image 22 Image 22 Image 23 Image 23							

They can also be exported to a spreadsheet





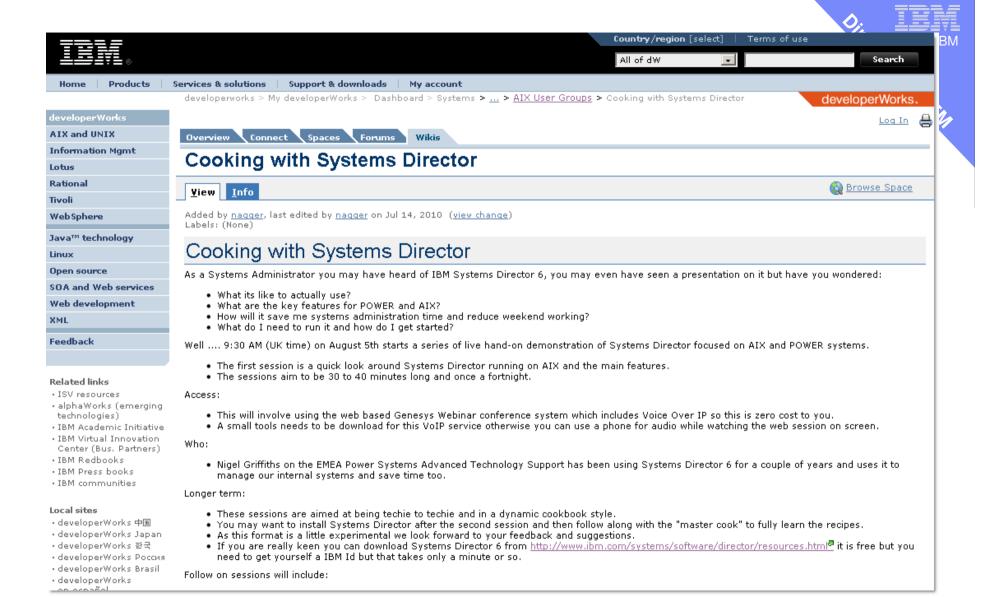




Cooking with Systems Director What Next?



- Follow on sessions on particular areas:
 - Done Active Energy Management,
 - 9th September 2010 Health Checks, Performance
 - Graphs, Alerts and CEC performance
 - -23rd September 2010 Drill Down and Up
 - HMC functions, AIX pConsole and dsh
 - 7th October 2010 Automation plans
 - Updating HMC, firmware, VIOS and AIX,
 - VMControl Image Manager,
 - nag@uk.ibm.com



https://www.ibm.com/developerworks/wikis/display/WikiPtype/ Cooking+with+Systems+Director