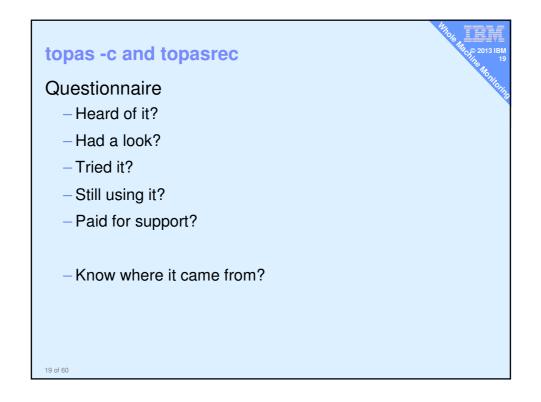
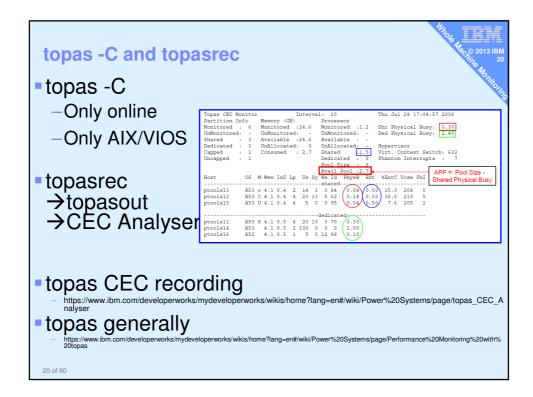
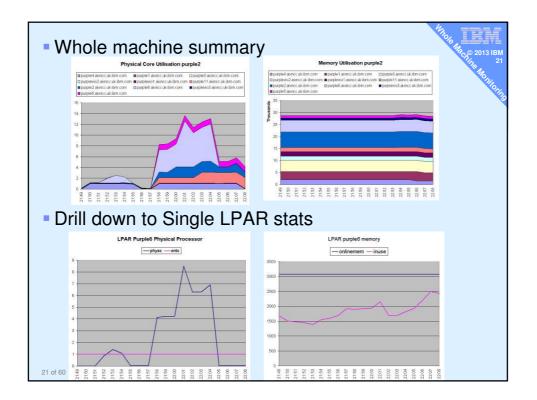


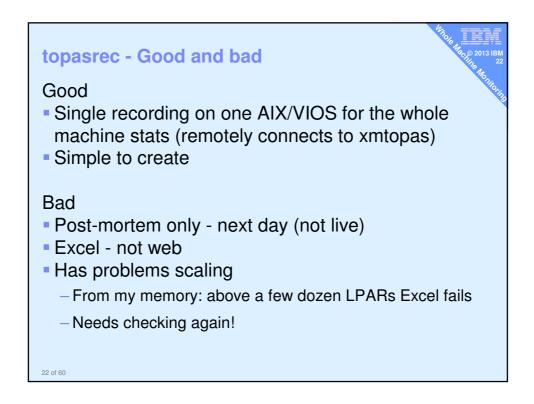


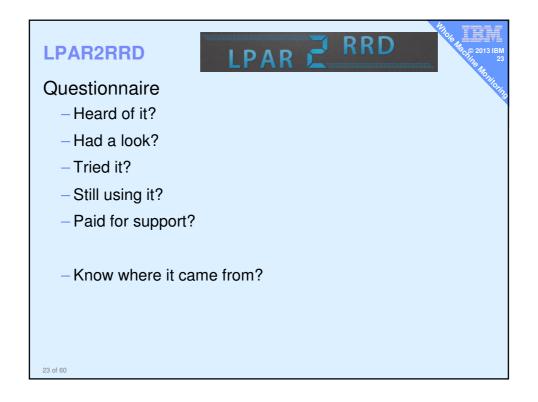
ITM Good • Current for new POWER/PowerVM features • Covers everything and non-IBM machines to • Extremely flexible in presenting data • Automated report generator	
 Not so good Costs money per machine Needs own LPAR & resources to run Installing multiple daemons everywhere Needs time/training to get the full benefit because it is so flexibly (good) 	

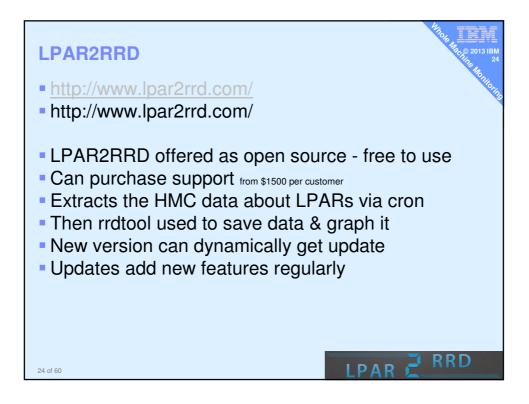


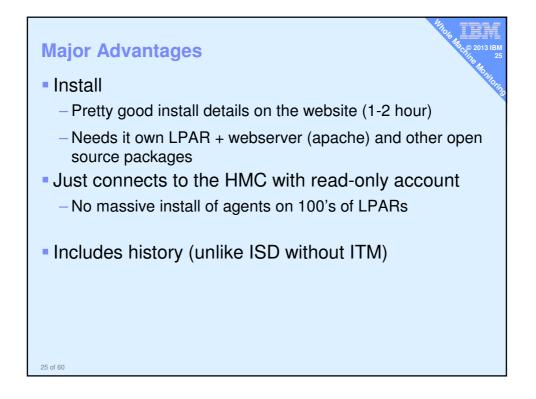


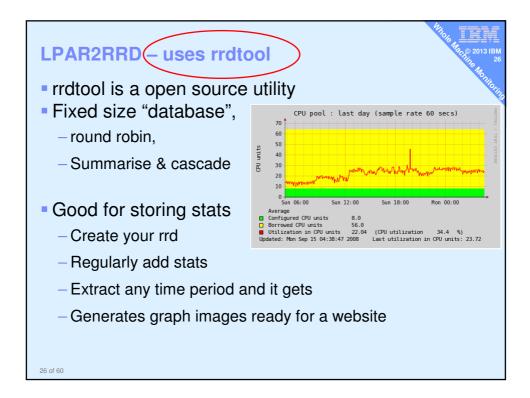


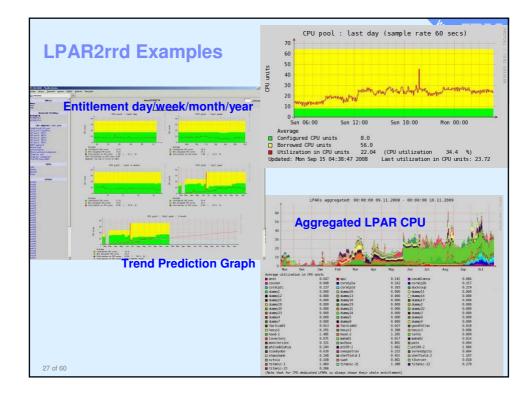














LPAR2rrd

Good

- Simple setup to HMC read-only
- Web-based so freely viewable

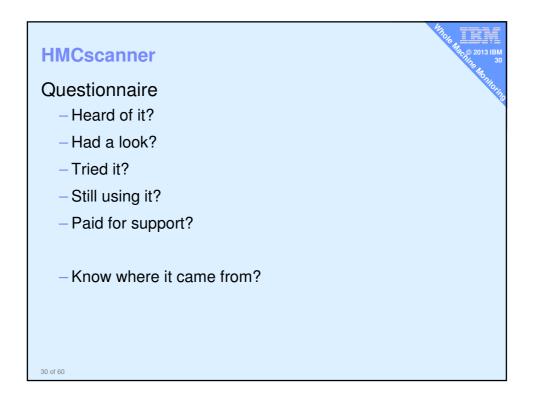
Free

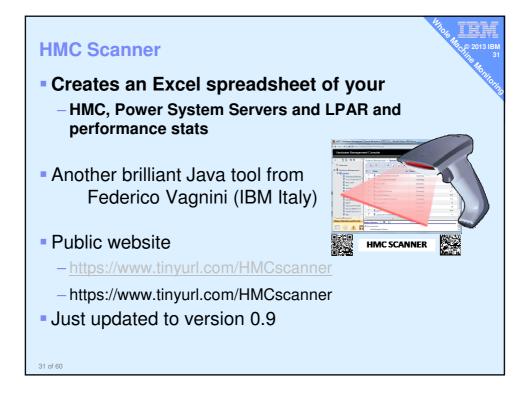
- Growing popularity
- Once found by users they run it long term
- Could be run on Linux machine or LPAR

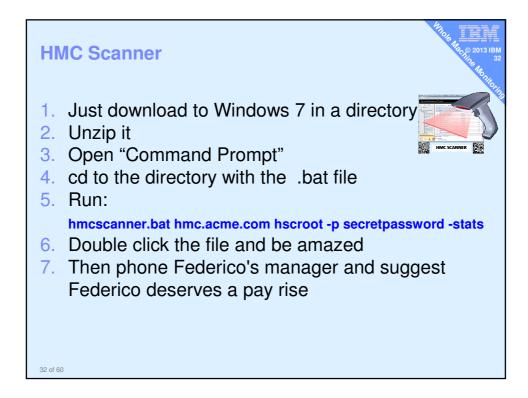
Bad

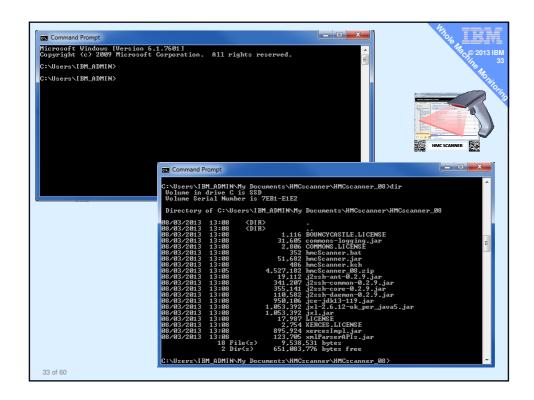
- Pre-reqs RPM's mean it's a dedicated LPAR for AIX
- Not full performance tuning detail level
 - (no disk, network, process, ... stats)

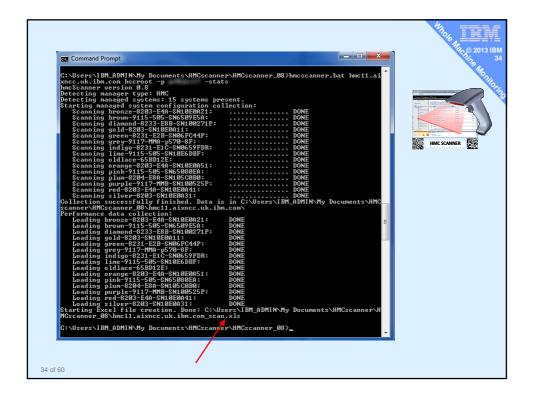
29 of 60











Demo: See we	bsite for a	n example			148 c. p. 201
C://N	ly Docume	ents/HMCscanner	HMCsca	nner_09	
	Compu	ter → SSD (C:) → Users → IBM_ADMIN → My	Documents > HMCsca	anner 🕨 HMCscanner_0	8 🕨
	Organize 🗸 🕱 Ope	n ▼ Share with ▼ Print E-mail	Burn New folder		
	▲ ★ Favorites	Name	Date modified	Туре	Size
	Desktop	hmc11.aixncc.uk.ibm.com scan.xls	08/03/2013 13:23	Microsoft Excel W	470 KB
	Downloade	BOUNCYCASTLE,LICENSE	08/03/2013 13:08	LICENSE File	2 KB
	Recent Places		08/03/2013 13:08	LICENSE File	3 KB
utput —	My Documents	commons-logging.jar	08/03/2013 13:08	Executable Jar File	31 KB
	2012	hmcScanner.bat	08/03/2013 13:08	Windows Batch File	1 KB
	2013	hmcScanner.jar	08/03/2013 13:08	Executable Jar File	51 KB
	NMON_DATA	hmcScanner.ksh	08/03/2013 13:08	KSH File	1 KB
bat ugh!	RED BOOKS	j2ssh-ant-0.2.9.jar	08/03/2013 13:08	Executable Jar File	19 KB
	TOOLS_NEW	j2ssh-common-0.2.9.jar	08/03/2013 13:08	Executable Jar File	334 KB
ksh ©	T420	j2ssh-core-0.2.9.jar	08/03/2013 13:08	Executable Jar File	347 KB
		j2ssh-daemon-0.2.9.jar	08/03/2013 13:08	Executable Jar File	108 KB
	4 🚞 Libraries	jce-jdk13-119.jar	08/03/2013 13:08	Executable Jar File	928 KB
	Documents	🖬 jxl.jar	08/03/2013 13:08	Executable Jar File	1,029 KB
	🖻 🌙 Music	ixl-2.6.12-ok_per_java5.jar	08/03/2013 13:08	Executable Jar File	1,029 KB
	Pictures		08/03/2013 13:08	File	18 KB
	Videos	XERCES.LICENSE	08/03/2013 13:08	LICENSE File	3 KB
		xercesImpl.iar	08/03/2013 13:08	Executable Jar File	875 KB
	4 🜉 Computer	🖾 xmlParserAPIs.jar	08/03/2013 13:08	Executable Jar File	121 KB
	> 🏭 SSD (C:)	hmcScanner 08.zip	08/03/2013 13:05	Compressed (zipp	4.422 KB

HMC Scanner	4106 1811 1800 1801 1800 2013 IBM 36
http://tinyurl.com/HM	Cscanner 👋
 Information is organize System summary: LPAR Summary: LPAR CPU: LPAR MEM: Physical Slots: Virtual Ethernet: Virtual SCSI: VSCSI Map: Virtual Fibre: SW Cores: CPU Pool Usage: Sys RAM Usage: LPAR CPU Usage: ** Based on last 12 m 	d in tabs: name, serial #, cores, RAM, service processor IP for each server all LPAR by server, status, environment, version, processor mode processor configuration of each LPAR memory configuration of each LPAR with LPAR assignment, description, physical location & drc_index network configuration of each virtual switch and each LPAR config of all virtual SCSI adapters, both client and server devices mapped by each VIOS to partitions vFC config of client & server with id of physical adapter assigned LPAR & VP pool config matrix to # of software licenses. easy to read history of CPU usage of each system. ** easy to read history of CPU usage of each LPAR. onths of Islparutil data.
36 of 60	



Good

Simple setup

Only needs a HMC password

100% Accurate configuration data

Perfect for whole machine settings/tuning

- E too low, VP too high, Virtual to Physical CPU ratio

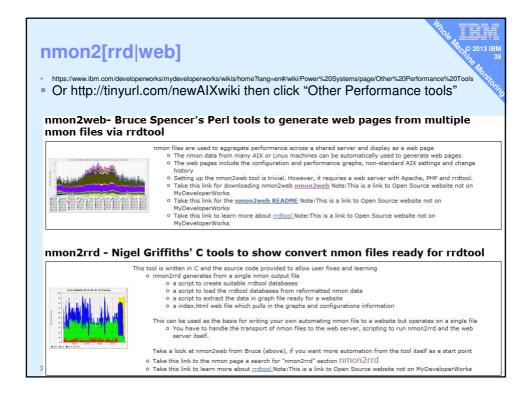
Rapidly improving – so make a suggestion

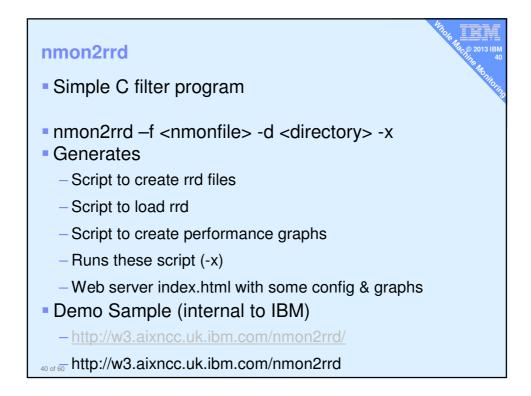
Bad

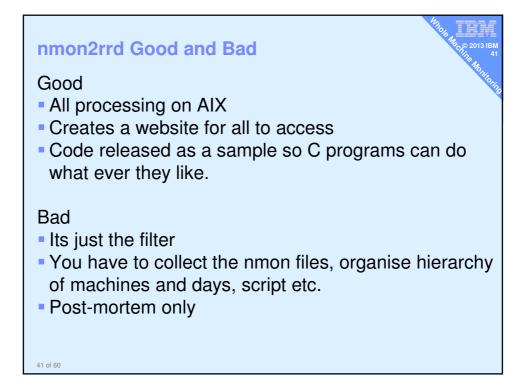
 Excel - perhaps daily save to a website to allow simple sharing
 Perhaps next release will have some basic graphs

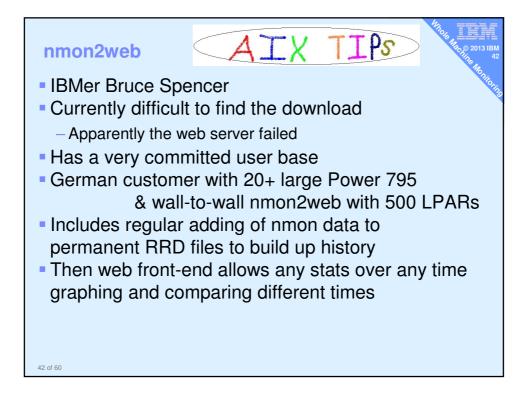
37 of 60





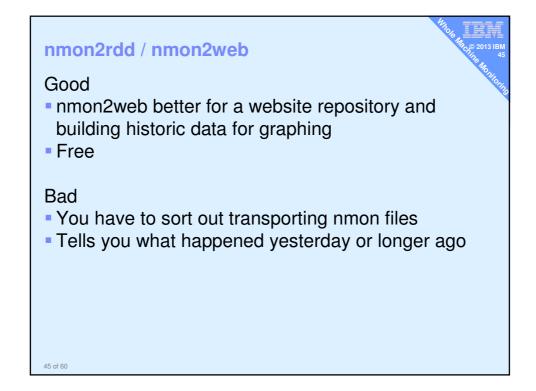


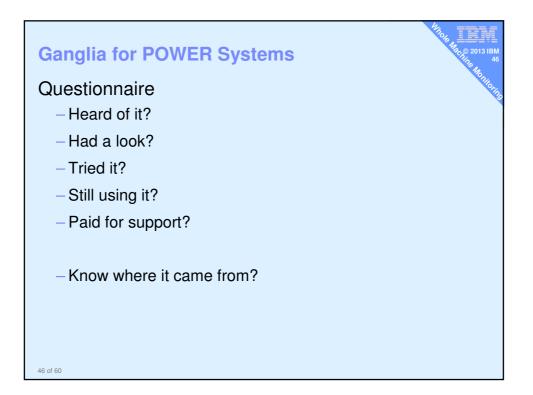


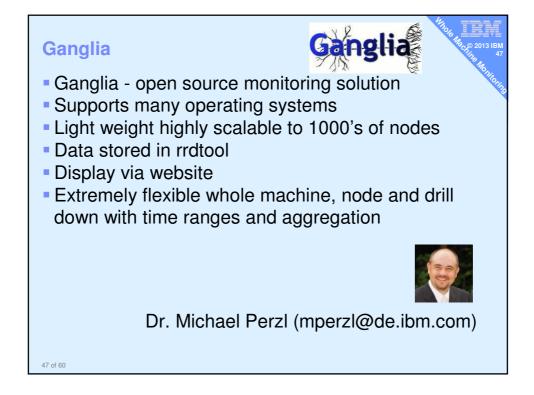


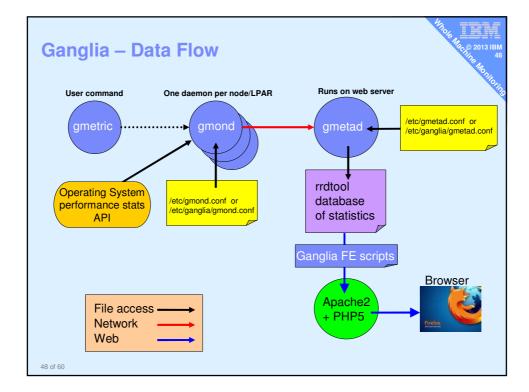


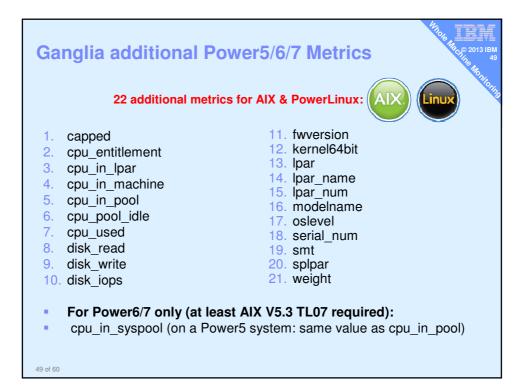
Automating "nmon" to Track Aggregated Utilization of a Partitioned Server This to provides a way to track and display aggregate utilization of partitioned servers on a centralized web server. It also displays daily and long term performance charts for individual hosts, as well as change control logs for AK tuning and server hardware configuration. The setup uses <u>imponentiated</u> of the files provided in this to. The nmon utility gathers performance data over one or more AIX hosts (micropartitions, LPAR or standalone servers). The resulting immon output files are collected on a central web server, where the mmon2web pl script automatically creates web pages for new hosts, sorts the data by hostlythysical server, hosts the performance data into 'individual partitions. Aggregated performance data into 'individual partitions. Aggregated performance data into 'individual partitions, aggregated data on the web server. The index.html (this page) is the entry point for accessing to data on the web server. The index.html (this page) is the entry point for accessing to data on the web server. The index.html (this page) is the entry point for accessing to data on the web server. The index.html (this page) is the entry point for accessing to data on the web server. The index.html (this page) is the origit page) is the entry point for accessing to data on the web server. Ubdates: 4/27/2009 - changed index.html to display unique host-serial number (for partition mobility) Ubsplay Long Term Performance Therds for a Host Server Name (rhiwoolStructure) Server Name (rhiwoolStructure) Ubsplay Using Term Performance Ternds for a Host Server Name (rhiwoolStructure) Ubsplay Using Term Performance Ternds for		۸.,	tomoting "r	mon" to	Trook Aga	registed Litt	lization of	a Dartition		UTOR HACE 201
individual hosts, as well as change control logs for AIX tuning and server hardware configuration. The setup uses <u>mmon</u> , indical and the likes provided in this tip. The mmon utility gathers performance data over one or more AIX hosts (micropartitions, LPAR or standalone servers). The resulting mmon output files are collected on a central web server, where the mmon2web , pl script automatically creates web pages for new hosts, sorts the data by hostyphysical server, loads the performance data into 'irrdiod' databases and creates the daily and long term performance charts for individual partitions. Aggregated getromance data into 'irrdiod' databases and creates the daily and long term performance charts for individual partitions. Aggregated data on the web server. The index.html (this page) is the entry point for accessing to data on the web server. The stup setup instructions. Updates: 4/27/2009 - changed index.html to display unique host-serial number (for partition mobility) Display a Daily Performance Chart for a Host Server Name (hiveoil (000800065), Display to 100090 - 20100604) Date Jan T 2010 Display to 1 2010 Display to 4 Aggregate Utilization on a Partitioned System		Au	contacting i	inton to	паск муу	regated Ot	lization of	a Partition	ed Server	
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	Display Long Term	Performance T	rends for a Host							
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Senar Number Server Namer artubil Type mm/dd/yvyy mm/dd/yvyy	Serial Number Se				mm/dd/y					

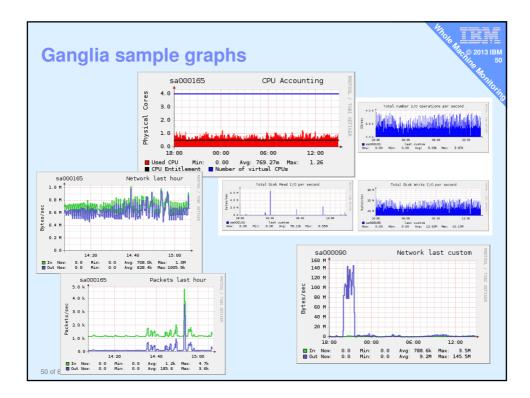


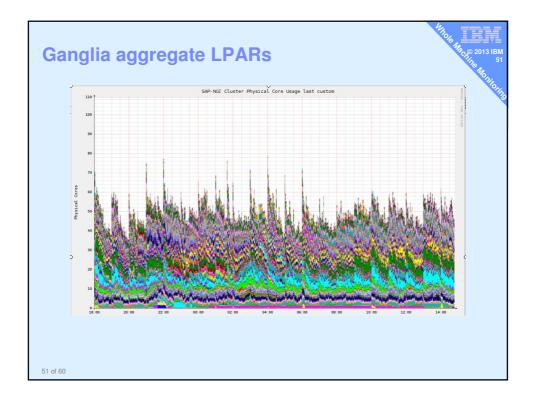












Ganglia Good • Free • Very efficient • Aggregate LPAR view and drill down to LPAR • Popular • Any UNIX operating system and Linux • Flexible period graphs etc.
 Once found by users they run it long term Bad Not full performance tuning no individual disks or network adapter or processes

