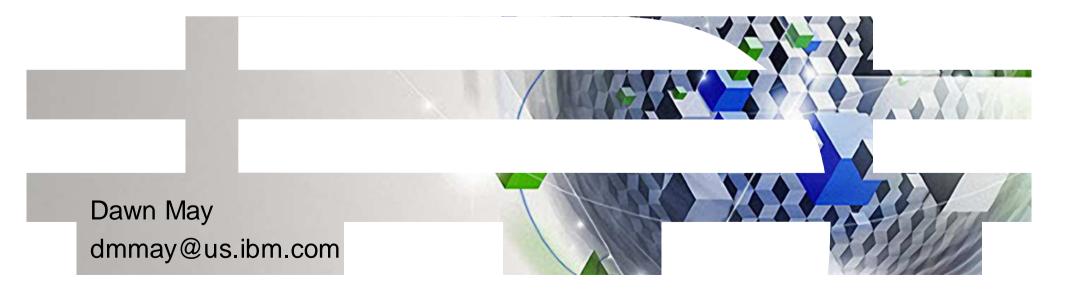
IBM Systems Director ~ IBM Systems Director Navigator for i ~ System i Navigator Compare and Contrast



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Product Names and Terminology (and shortcut terminology)



IBM Systems Director Director



System i Navigator

Navigator Aka, Operations Navigator, iSeries Navigator, Navigator for i

IBM Systems Director Navigator for i

http://ibmsystemsmag.blogs.com/i_can/2010/03/i-can-direct-the-use-of-navigator-or-is-that-navigate-the-use-of-director.html

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	_		
		-	
	_	-	

Comparison Overview

Installation

IBM Systems Director requires server installation

IBM i agent installation required for full functionality

Discover systems

Collect comprehensive platform and operating system inventory data

Monitor health and status

Manage alerts

Perform remote access, including transferring files

Perform power management function

Additional event support

Monitor processes and resources, and set critical thresholds send notifications when triggered

Manage operating system resources and processes

Manage updates

		_	
		_	
	_	•	

Comparison Overview

Installation, continued ...

System i Navigator requires Windows client installation

IBM Systems Director Navigator for i requires nothing to be installed on your PC. It is installed and available to use out-of-the-box in IBM i 6.1 and later.

IBM i 6.1

IBM HTTP Server for i	5761DG1
Qshell	5761SS1 option 30
Portable App Solutions Env	(PASE) 5761SS1 option 33
IBM Developer Kit for Java	5761JV1
J2SE 5.0 32 bit	5761JV1 option 8
IBM Toolbox for Java 576	1JC1
Host Servers	5761SS1 option 12

IBM i 7.1

IBM HTTP Server for i Qshell	5770DG1 5760SS1 option 30
Portable App Solutions Env (PASE)	5760SS1 option 33
IBM Developer Kit for Java J2SE 5.0 32 bit	5761JV1 5761JV1 option 8
Host Servers	5770SS1 option 12

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		_	
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	-		

Comparison Overview

Scope IBM Systems Director Cross-platform management A wide variety of function across multiple platforms Launches to other consoles for deep platform function (IBM i, AIX, HMC)

System i Navigator Management of many IBM i systems

IBM Systems Director Navigator for IBM i

Manage only the server where you point your Web browser. Not a complete replacement for System i Navigator. There is substantial function (over 300 web-enabled functions) that have been Web enabled as of IBM i 6.1 and more in 7.1

New in IBM i 7.1 – Manage a remote IBM i partition from your Web based Navigator interface! Allows you to manage 5.4 partitions from the Web.



Comparison Overview – Continued

Unique Function

Systems Director

Virtualization, energy, blade fabric management, service and support, topology mapping, notification, automation, storage management,

System i Navigator – Management Central

Multi-system users and groups Detailed IBM i monitoring Software distribution

Director Navigator Performance Data Investigator High Availability Solutions Manager Backup, Recovery, & Media Services New in IBM i 7.1 Native Operating System interface (ok...access to green screen from the Web)

System i Navigator

ile <u>E</u> dit <u>V</u> iew Help			National Volume
\$ B B X B 9 5 0			1 minutes old
nvironment: COMMON	Iszilp13:		1 minutes oid
📲 Management Central (Isz1lp11)	Name	Description	
Common Activity Scheduled Tasks Definitions Definitions Endpoint Systems System Groups System Groups System Support System Support Systems with Partitions Systems with Partitions Systems with Partitions Systems and Coperations Security Securit	Basic Operations Work Management Configuration and Service Configuration and Service Integrated Server Administra Security Users and Groups Databases Configuration Development Backup Configuration Development AFP Manager	Manage messages, printer output, printers, and jobs. Manage active jobs, server jobs, job queues, subsystems, and me Display system inventory, work with fixes, and collect performance Manage TCP/IP and Internet support.	
My Tasks - Isz Ilp13 Add a connection	Connection tasks Configure Application Administration View disk status Run a command Install plug-ins	on Upgrade or service plug-ins Change your System i password Upgrade or service plug-ins Change your System i password Help for related tasks	
1 - 12 of 12 objects	Successful connection made to		

IBM® Systems Director Navigator for i

IBM Power Systems

IBM Systems Director Navigator for i http://systemname:2001

User ID:		
Password:		
Log in		

IBM® Systems Director Navigator for i	Welcome dmmay Help	ogout
View: All tasks 🛟		Select Action \$
Welcome		
My Startup Pages		
IBM i Management	Welcome	? - D
 Set Target System System Basic Operations Work Management Configuration and Service Network Integrated Server Administration Security Users and Groups Databases Journal Management Performance File Systems Internet Configurations Backup, Recovery and Media Services High Availability Solutions Manager 	Welcome to the IBM Systems Director Navigator for i The IBM Systems Director Navigator for i provides an easy to use interface for the web- IBM i Navigator tasks on the web, and 2001 port tasks. Expand IBM i Management in the left-hand navigation area to get started. To see the previous version of the 2001 port tasks and where they are located now, clice IBM i Tasks Page	About Console -enabled IBM i management tasks, including all previous
Cluster Resource Services		

Web application Included with IBM i 6.1 or later

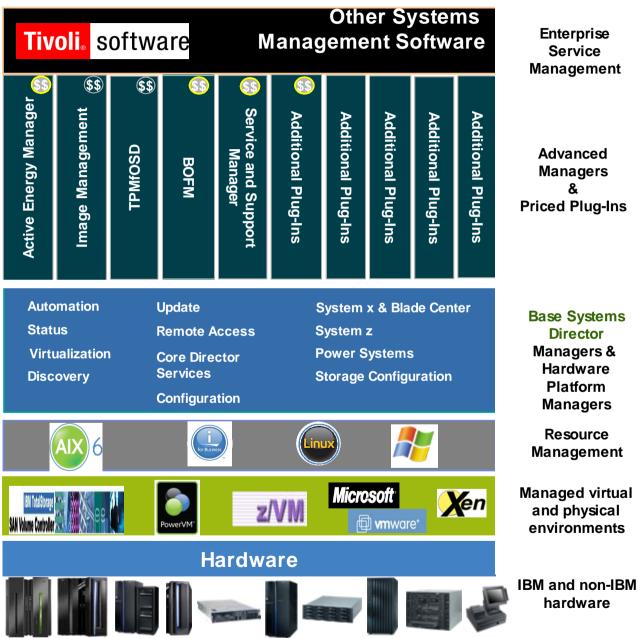
IBM Systems Director Overview

End-to-end Management

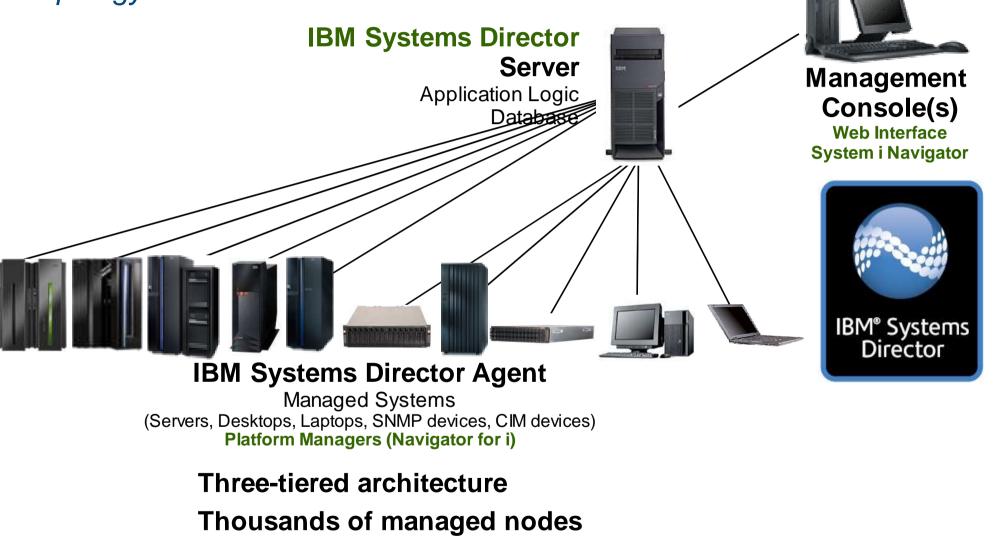


Platform Management

Director Navigator for IBM i AIX web console HMC web console Remote Access

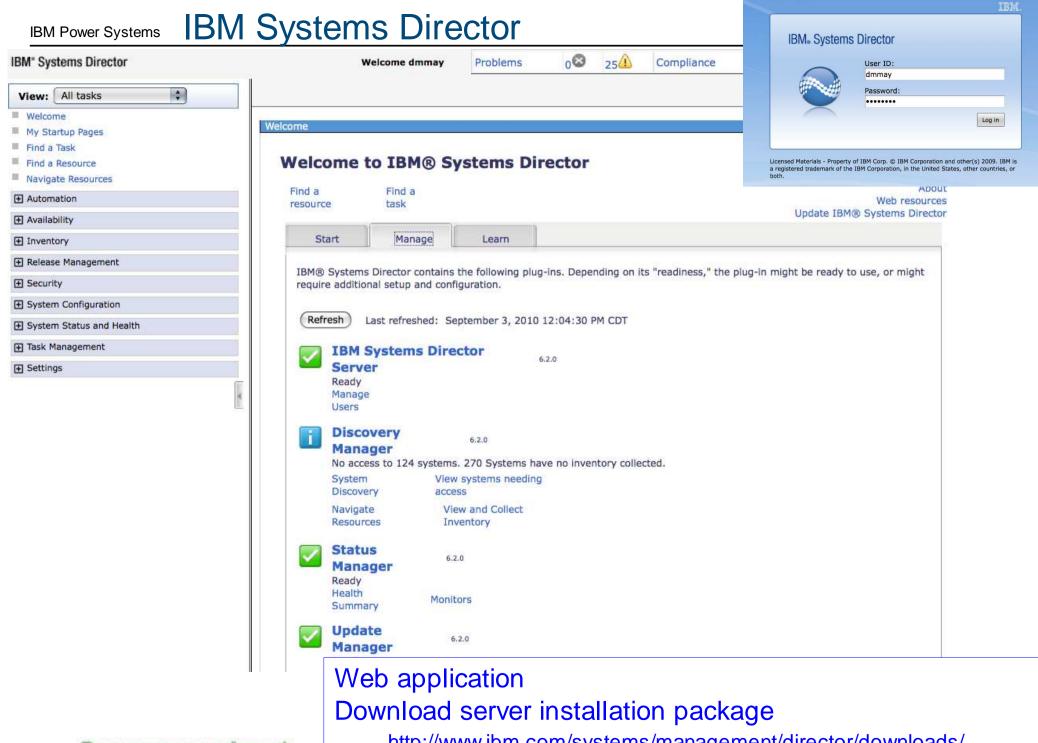


IBM Systems Director Overview Topology



Upward Integration modules supporting

Tivoli, Computer Associates, Hewlett Packard, Microsoft



http://www.ibm.com/systems/management/director/downloads/



Types of Managed Systems

Agentless

Best for environments that require very small footprints and are used for specific tasks, such as one-time inventory collection, firmware and driver updates and remote deployment

Platform Agent Provides agentless functions and.... Common Information Model (CIM) events and monitoring Inventory Group and cumulative PTF support

Common Agent Provides agentless functions and platform agent functions and ... Additional monitoring features Monitoring message queues File transfer

IBM Systems Director and IBM i - Agents

Types of Agents for IBM i Agentless: SSH (5733-SC1 Option 1) Platform Agent: CIMOM (5722-UME, 5770-UME) IBM Universal Manageability Enablement for i Common agent Legacy (5722-DA1)

CAS for IBM i

http://publib.boulder.ibm.com/infocenter/director/v6r1x/index.jsp?topic=/director.tbs_6.1/fqm0_tbs_ibm_i_endpoints.html

IBM

IBM Systems Director Versions and IBM i Agent Support Summary

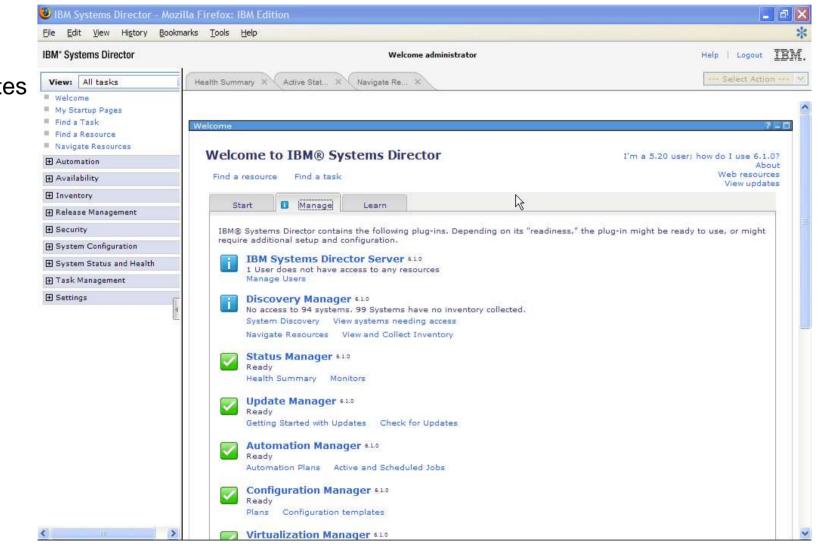
Note: The 5722-DR1 product could be used in place of 5722-DA1 to provide the legacy agent function since the DR1 product ships the server and the agent.

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Layout IBM Systems Director

Basics

Web UI, Java Applet Ajax – dynamic updates Wizards Distributed, direct Navigation Groups Indented Views Topology Map Search Tasks High level tasks Customized tasks Search



Layout System i Navigator

Basics

Installed Windows

Menu options

Toolbar options

Distributed, direct

Navigation

By group content

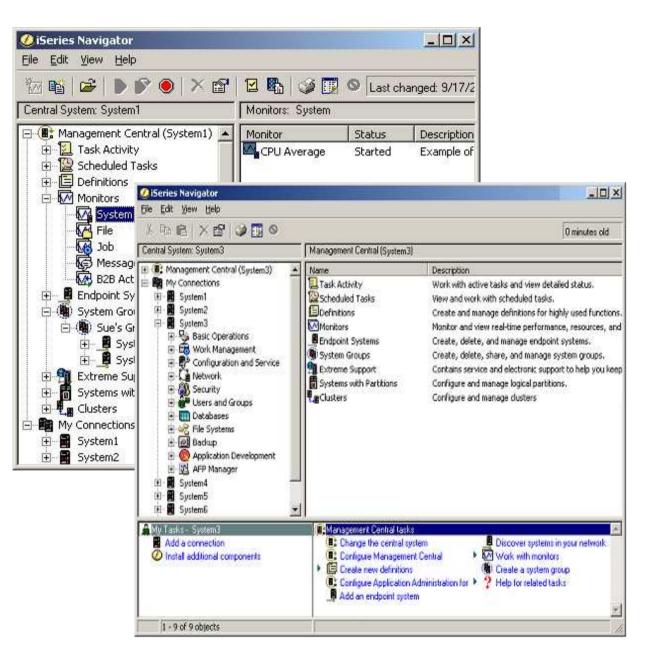
Object tree view

Tasks

Object based tasks

Customized tasks

Drag & Drop



Layout Director Navigator

Basics

Web UI

One instance only **

Menu options

Direct Only

"tunnel" directly to other IBM i systems

Navigation

Single system only **

Object table view

Tasks

Category based tasks

Customized tasks

View: All tasks	Work Manage ×	Select Action
Welcome		
My Startup Pages		
IBM i Management	Work Management - Isz1lp13	? _
Set Target System		
System	IBM i Work Management allows you to manage your IBM i jobs, job qu	eues, output queues, subsystems, and memory pools.
Basic Operations		
Work Management	Active Jobs	
Configuration and Service	Hardward Inter to being when at horizon when high	
Network	Allows you to work with all jobs that are currently active.	
Integrated Server Administration	• Server Jobs	
Security	Allows you to manage server jobs that are currently active.	
Users and Groups		
Databases	Active Job Queues	
Journal Management	Allows you to manage the job queues that are currently active, and	the jobs that are located on these queues.
Performance File Systems	B-	
Internet Configurations	Dutput Queues	
Backup, Recovery and Media Services	Allows you to manage output queues.	
High Availability Solutions Manager	Active Subsystems	
Cluster Resource Services	Allows you to manage the subsystems that are currently active, and	d the iske that are wraping in these subsystems
		the jobs that are running in these subsystems.
E Settings	Active Memory Pools	
	Allows you to manage the memory pools that are currently active, a	and the jobs that are located in these pools.
	Show All Work Manageme	ent Tasks
	Close	

** enhancements in 7.1 remove these restrictions; covered later in this presentation



Discovery Systems Director

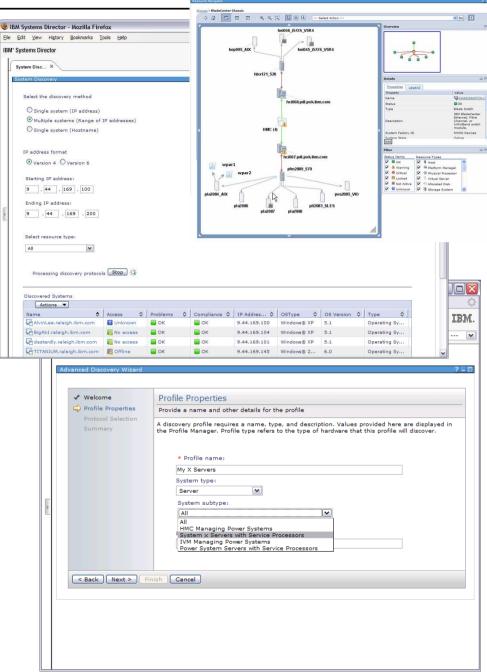
System types Physical and virtual servers Storage systems Network devices Operating Systems HMC

Methods

Basic Discovery Single hostname or IP address Range of IP addresses

Advanced Discovery

Wizard to streamline advanced discovery settings for one or more system types and related protocols Complete discovery workflows: Discovery, authentication, collection of inventory Each workflow can be saved and executed, or scheduled to perform the advanced system discovery.



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Discovery System i Navigator

System types

OS/400

i5/OS

IBM i

Methods

Discovery

"My connections"

Add specific node

New Endpoint Sy	rstem	? 🔀
General		
Specif	fy the system you want to add as an endpoint system:	
System:		
Description:		
	OK Cancel	Help

Discover Systems ?	
Discovery	
Click OK to search TCP/IP subnets for any systems and add them as endpoints on the central system. Subnets to search Subnets to search Subnet: Subnet: Subnet: Subnet:	
1 . 1 . 1 . 1 255 . 255 . 240 Add	
Subnet Subnet Mask Remove 10.1.1.1 255.255.255.240 1.1.1.1 1.1.1.1 255.255.255.240 1.1.1.1]
How to verify systems FTP SNMP	
Earliest OS/400 release to search for: V5R 1M0 Timeout (seconds): 15	-
OK Cancel Help	

		_	
	-		

Discovery Director Navigator

Single system management

Pre-installed

No discovery needed

Human enters system name in web address



Discovery Director Navigator *New IBM i 7.1

Set Target System

Specify the remote system you want to manage Supports systems at IBM i 5.4, IBM i 6.1 & IBM i 7.1

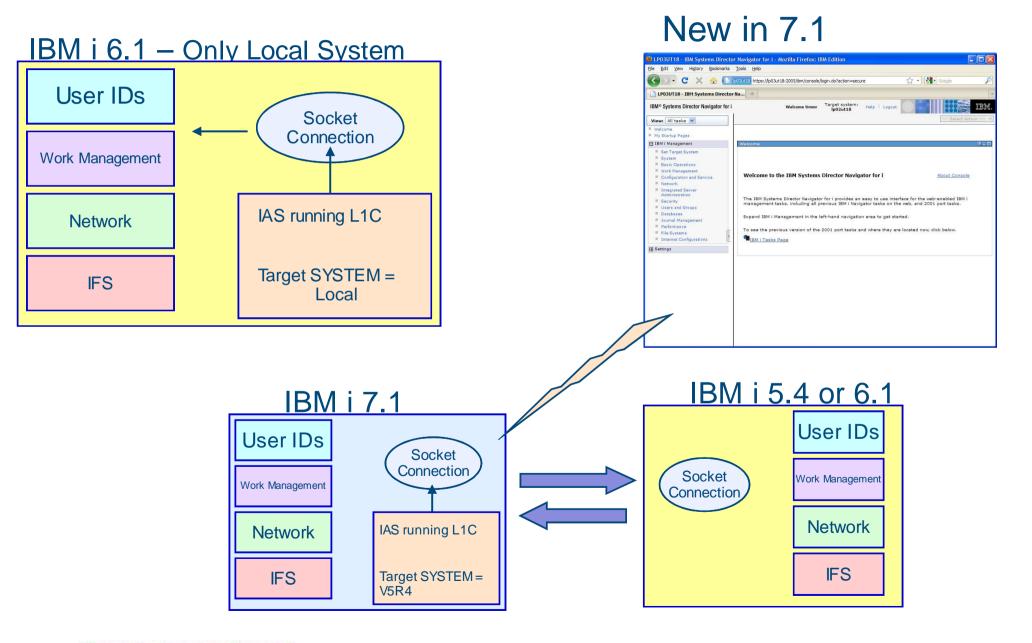
IBM® Systems Director Navigator for i Target system: **lp03ut18** Help Logout Welcome timmr Support View: All tasks 🗸 Set Target ... X Welcome S My Startup Pages IBM i Management Set Target System 5.4 Set Target System System Target system: lp03ut18 Basic Operations Release: v7r1m0 Work Management 6.1 Configuration and Service Your target system can be the local system where you are running IBM Systems Director Navigator, Network different system to manage. Integrated Server Administration 7.1 Security Manage local system Users and Groups Manage another system Databases Specify System Name Journal Management *System name: Ip02ut18 Performance User ID # User ID: timm File Systems Internet Configurations * Password: Password E Settings OK Cancel http://ibmsystemsmag.blogs.com/i_can/2010/09/ibm-systems-director-navigator-can-manage-54şystems.html your planet.

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Current system being

managed!!!

System Management with Set Target System

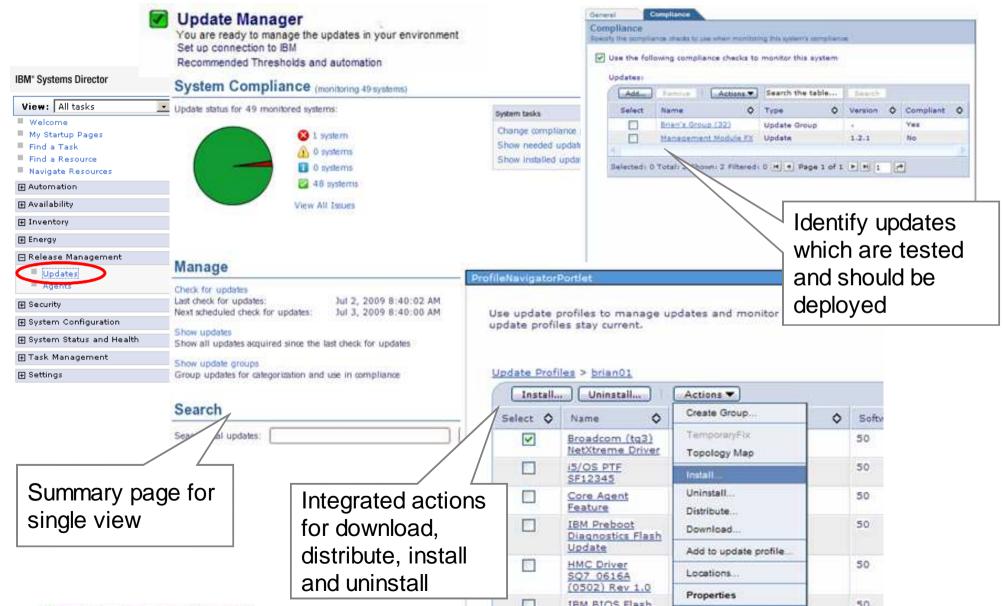


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IBM Systems Director Director Navigator Integration

		History Bookmarks Too	and a local data		-			
1000	2016/2017/2017/2017	ns Director 😰 🔤 🗄	ep -	(64)				
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	lavigate Re	esources						2 - 0
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	Members							
	Ad	ctions 👻 Search the	table Sear	ch				
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		Gratsi12i oblani dan an	Remove		Basic Opera	tions n and Service	9.38	49.58
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	_		15/05 Manager	ment 🕨	Integrated S	erver Administration		
			Inventory	>	Internet Con	· · · · · · · · · · · · · · · · · · ·		
	_		Power On/Off	•	Journal Man	agement		
			Release Mana	igement	Network			
			Security System Config		Performance			
			System Contro System Status		System	Ş-		
	H A Pa	age 1 of 1 🕨 1	Properties	and the state of t	Users and 0	iroups ement		

Fixes Systems Director

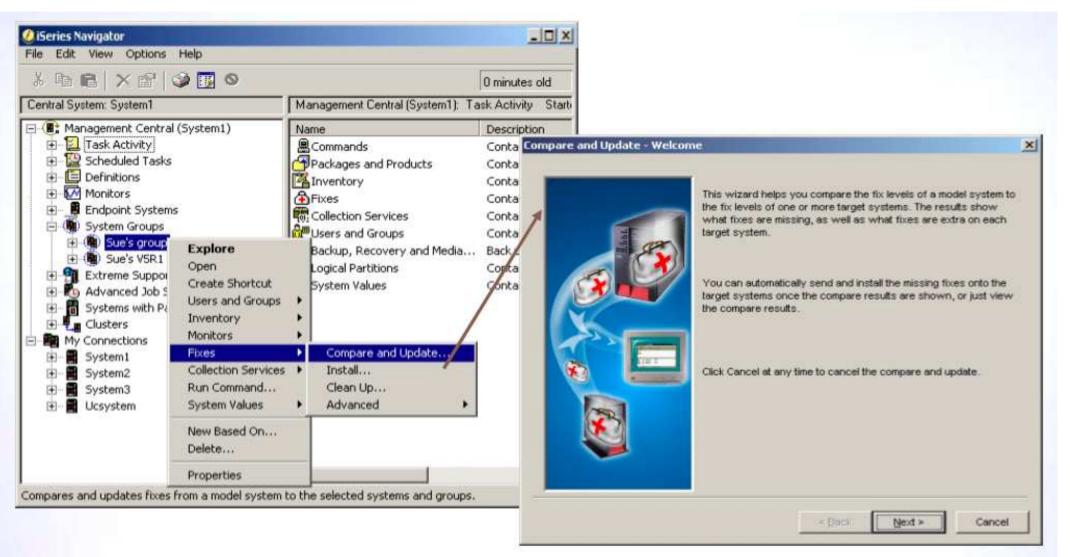


Fixes System i Navigator

Compare and Update

Define model system with fixes

Update target systems with same fixes





Access Control Systems Director

Management server

Roles and Users

- Permissions access to tasks
- Credentials single signon
- Access to server wide options

Access to systems and groups

Security

- Users
- Roles
- Credentials

Roles		
Crea	te Create Like Edit	Delete View Actions 🔻
Select	Name 🕏	Description 🗘
	🚨 GroupRead	This permission grants a user the ability to
	& SMAdministrator	The Administrator role has full authority to
	& SMManager	The Manager role can perform a subset of t
	& SMMonitor	The Monitor role can access those administ
	& SMUser	The User role includes any authenticated us

IBM Systems Director Status

System:	alakazam.rchland.ibm.com
---------	--------------------------

Status: GK (last restart: 2/3/09 4:44 PM)

25 Systems discovered	
Authentication type:	
Known ports in-use: 2089, 8421, 9513, 8422, 9512, 9511	All possible ports
Trace and error logs: C:\PROGRA~1\IBM\Director\lwi\lo	gs
Database:	
Apache Derby 10.3	
Apache Derby Embedded JDBC Driver 10.3.3.1 - (677	131)

Server:

N/A CPU Utilization N/A Memory Usage N/A Storage used 1 Active users

Users and Roles

- 1 User does not have access to any resources 6 Total users are defined
- 5 Roles are defined

Common tasks System discovery Advanced system discovery Collect and view inventory Find a task Find a resource Navigate resources

Common tasks

Manage Users Manage Roles Add a role

Power your planet. 27

Access Control System i Navigator

Customizable - management server

Customizable - user

Access to tasks

Application Administration - System1-i5os Select the functions or applications available to users.			? 🔀
iSeries Navigator Client Applications Host Applications			1
Function	Default Access	All Object Access	Customized Access
System 1-i5os in My Connections Basic Operations Printer Output Printer Output Printers Jobs Work Management Server Jobs Output Queues Output Queues Memory Pools Configuration and Service	<u>বিবেরেরেরেরেরেরেরে</u>	<u>রববেরবেরেরেরেরে</u>	
			>
Remove Customization			Customize
Applications		ок с	ancel Help

		IBM Systems Director Navigator for i5/	OS* Welcome timmr		
3M Power Systems		Welcome My Startup Pages IS/OS Management	Active Jobs ×	System Oper X Servers X	System ×
Access Contro	ol	Basic Operations Work Management Configuration and Service	System - Iszl i5/OS Syste		form general system level tasks.
Director Navig	gato	Network Integrated Server Administration Security Users and Groups Databases		<u>tatus</u> u to display the system's current : Operator Messages	status.
Application Admini System tasks	strati	Leural Management	Allovs yo Allovs yo Allovs yo Spisk Stat Allovs yo Run a Co	u to display messages sent to the og u to display the system's current us u to view the system's current dis	history log.
Customizable - ma	anage	ement server			d, or, if authorized, another user's pas:
Customizable - use	er		Allows yo	u to manage user's authorization:	
Access to tasks			I I		
Application Administratio		Settings) - localhost tions available to users.			12-
System i Navigator	Select	Function	Default Access	All Object Access	Customized Access
Client Applications	0	▼ Ølocalhost in My Connections			
Host Applications	Q	Basic Operations			
	0	🔽 🛱 Work Management 🕅			1.4
	12				
	۲	Active Jobs			
	0	Copy Access Settings			
	-	Server Jobs Paste	2000 2000		
	0	Server Jobs Paste			
	0	Server Jobs Paste Customize Remove Customization			
	0	Server Jobs Paste Customize Remove Customization			
9	0 0 0	Server Jobs Paste Customize Remove Customization Customize Remove Customization Customize Remove Customization			

Inventory Systems Director

Collects on schedule

Collects via task

Hardware information

Software information

Fix information

Static data on management server

Customized columns

Saved reports

Simple export/print

alues, click nventory Pro All Inventory	¥	Last collected: Nove	ember 24, 2008 9:36 A	AM		Collect In	vento
Collected Ite	1042.0	Inventory d	etails: Processor	Caroline 1			
STAR A CARLES AND	e hernet Port	Actio	ns 🔻 Search the	table	Search		
100	ogical Disk	Select N	ame	\$	System nam :	State	
_	emory		proc0		otto01.austin.	.ibr	
	nysical Volume		proc2		otto01.austin.	.ibr	
E Pr	ocessor		proc4		otto01.austin.	ibr	
E Se	erial Attached SCSI		proc6		otto01.austin.	83.0	
🕀 🗀 Netwo	ork				ottou1.austin.	101	
🖯 🗁 Physi	cal	<		20.			
Ca	ard	M A Page	1 of 1 🕨 📔 1 🥐	Sel	lected: 0 Tot	al: 4 Filtere	ed: 4
-	hassis						
E PH	nysical Memory						
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SI							

Inventory System i Navigator

Collects on Schedule

Collects via Task

Hardware Information

Software Information

Fix Information

Static data on Central System

Customized Columns

Wildcard searching

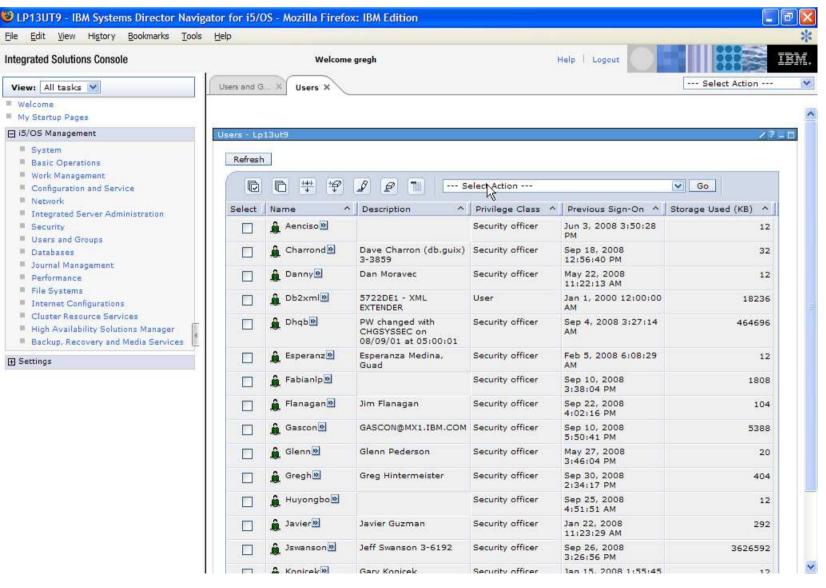
Additional Information

Real-time data available

Sea	rch - All MC Systems					? >
E	Inventory to search: Fixes Hardware Software Fixes Users and Groups Search for:	_				?
	SF11* arch using basic criteria	15os) 🛕	Resource	Status	Close Help Description	
	Task Activity Scheduled Tasks Scheduled Tasks Monitors Endpoint Systems System Groups System Groups Systems with Partitions Systems with Partitions System 1-5os Syst	æ	Image: Composition of the second s	Operational Operational Operational Operational Operational Operational Operational Operational Operational Operational Operational Operational Operational Operational Operational Operational Operational Operational	MFIO Processor LAN Adapter Ethernet Port Comm Processor LAN Adapter Ethernet Port MFIO Processor Work Station Controller Work Station Device Main Card Enclosure System Control Panel System Processor Card System Processor Card System Processor Card System Processor Card System Processor Card	
	All Hardware Communications System Adapter		Mp30 Mp31 Mp32	Operational Operational Operational	System Processor Card System Processor Card System Processor Card	>

Inventory Director Navigator

No collection All real-time Basic print/ export



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IBM Power Systems				Cre	(View Members)	Search the table Sea	irch		
				Select	Name	Type Dynamic: Operating Syst	Description Contains al	II operating systems that car	¢
					To All Systems (26)	Dynamic: System		Il systems that can be mana	
Group Manageme	ent				Groups by Access (3)	Static: Group		roups based on their access	
					Groups by Status (2)	Static: Group		roups based on the agent ty roups based on their status:	
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Cysterns Director					면 Other Groups (0) 면 Personal Groups (1)	Static: Group Static: Group		dditional groups that can iso roups optimized for each ind	1 em
					🖫 Update Groups (10)	Static: Group		roups for managing updates	
Where					Virtualization Groups (8)	Static: Group	Contains gr	roups for managing virtual s	ystems
mere		Find a Resource							
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Search				Find	H 1 (*	Selected: 0 Total: 10 Filt	ered: 10		
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Static		HMC and Managed Power HMC and managed Syste							
	rtual Serv	vers and Hosts.							7.
Dynamic	Virtual S	ervers and Hosts (View Members)						
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		Ken 🛛	Stopped	ОК	ок	ок		0%	1
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33 Power your planet		Greg Greg gwrtest ↓ vm2 ↓ wlmcewen Umsesx3-host	Suspended Stopped Stopped Suspended Started	СК СК СК СК СК СК	CK CK CK CK CK CK CK CK CK CK CK CK CK C	СК СК СК СК СК	9.5.23.11	0% 0% 0% 1% 5%	2 2 1 2 2

Group Management System i Navigator

Where			New System Group		? 🔀
Under Managem		General Sharing			
Types			Name:	my new group	
Static			Description: Type:	Management Central sys	stem group
Default			Available systems:		Selected systems:
None	V iSeries Navigator File Edit View Help		Rs019 Rs024 Rs025	Add>	
	🐌 🛍 🖪 📾 🗶 🖆 父 🗊 🔍	Surtra Cruzza	Rs027 Rs032	Remove <	
		System Groups: Endpoint System System 1 System 1-i5os	Rs037		OK Cancel Help
	Monitors Endpoint Systems System Groups Finance Test Systems Extreme Support Systems with Partitions	<		>	
	1 - 2 01 2 00 jects				

Process Management Systems Director

Manage Processes - Requires CAS Agent "WRKACTJOB" via Director

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	system on which to view processes. \	rewing processes for	r target: ratsi031.rc	niand.iom.com			contraction of	
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(ratsl031	.rchland.lbm.com)							
Run	command Actions	Search the table	(Search)					
Select	Name 🔶	Job ID	Job Type 💠	User 🗘	Thread Co 💠	Priority 🗘	% CPU 💠	Monito
0	ADMIN	384252	Batch	QTMHHTTP	1	25	0.0%	False
0	ADMIN	382225	Batch	QTMHHTTP	1	25	0.0%	False
0	ADMIN	382215	Batch	QTMHHTTP	1	25	0.0%	False
0	ADMIN	382233	Batch	QTMHHTTP	12	25	0.0%	Faise
0	ADMIN1	382621	Batch	QLWISVR	35	25	0.0%	False
0	ADMIN2	382631	Batch	QLWISVR	53	25	0.0%	False
0	ADMIN3	382620	Batch	QLWISVR	34	25	0.0%	False
0	ADMIN4	382622	Batch	QWEBADMIN	68	25	0.0%	Faise
0	CAS	383265	Batch	QCPMGTDIR	96	25	0.9%	False
0	CAS	383190	Batch	QTMHHTTP	1	25	0.0%	False
0	CAS	383191	Batch	QTMHHTTP	1	25	0.0%	False
0	CAS	383193	Batch	QTMHHTTP	47	25	0.0%	Faise
0	CRTPFRDTA	387104	Batch	QSYS	1	50	0.0%	False
0	QIABRMNET	382185	Subsystem Mo	QSYS	2	0	0.0%	False
0	Q1ACPDST	382189	Batch	QBRMS	1	30	0.0%	False
-) + +

E System Status and Health Performance Summary

- Health Summary
- = Monitors
- Thresholds
- = Problems
- Active Status
 - Manage Processes

Process Management System i Navigator

0

File

D

Env

+ (

-

Displ

+...

Job

Message B2B Activity

Work Management

Jobs

Subsystems

Servers

Job Queues

Job-specific actions

Call stack

Locked objects

Many more...

Job Monitor resources

Status

Wildcards

Misc

Find

Filter

Series Navigator				_ [
Edit View Help						
II 🕨 🤤 🗙 😰 🕲 🕎 🖸 🖓	0			0 minutes	old	
ronment: My Connections	System1-i5os	: Active Jobs	Elapse	d time: 00:00:	00	
Management Central (System1-i5os)	Job Name Detailed Status		atus			
System 1-i5os Basic Operations	Qase5		for dequeue			
	Admin Qbatch	Reset Statistic	S 1	a program queue		
Active Jobs	😼 Qcmn 🙂 Qacso	Printer Output Job Log		queue uest		
⊕	Qlzpse	Details	•	Call Stack		
Subsystems A service A service A service A service A service A service A service	 Qnmat Qnmat Qnmar 	Reply Hold Release		Library List Locked Object Open Files Threads	cts	•
		Move		Transactions		
The second second		Delete/End Monitor		Elapsed Perfi	ormance Sta	itistics
Monitors		Properties	-	Last SQL Sta	tement	

Process Management Director Navigator

Work Management

Jobs

Subsystems

Servers

Job Queues

Job-specific actions

Call stack

Locked objects

Many more...

Misc

Find

Filter

Work Management

i5/OS Work Management allows you to manage your i5/OS jobs, job gueues, output gueues, subsystems, and memory pools.

Active Jobs

Allows you to work with all jobs that are currently active.

Server Jobs

Allows you to manage server jobs that are currently active.

Active Job Queues

Allows you to manage the job queues that are currently active, and the jobs that are located on these queues.

Output Queues

Allows you to manage output queues.

Active Subsystems

Allows you to manage the subsystems that are currently active, and the jobs that are running in these subsystems.

Active Memory Pool	erver Job	s - Lp13ut9			
Allows you to manag	Refrest	Status: Active jo	bs		
Close		6 # 9	2 e 1	Select Action 🗸	Go
CIOSE	Select	Job Name 🔷 🔨	Current User 🔺	Detailed Status ^	Server ^
		Qtbootp	Qtcp	Waiting for select	BootP Server
		Qumecimom	Qsecofr	Waiting for select	CIM Object Manager
		O Crtpfrdta	rinter Output	Waiting for dequeue	Collection Services Server
		the second se	ob Log	Waiting for select	Graphical Debug Server
		😗 Qgldpuba 🛛 D	etails 🕨	Waiting for signal	LDAP Publishing Agent
			lold	Waiting for dequeue	LDAP Publishing Engine
		Ousrdir	elete/End roperties	Waiting for signal	IBM Tivoli Directory Server for i5/OS - Qusrdir
		Qxdaedrsql	Quser	Waiting for select	Extended Dynamic Remote SQL
		Qtftp00035	Qtcp	Waiting for dequeue	FTP
		Qtftp00038	Qtcp	Waiting for time interval	FTP
		Qtftp00039	Qtcp	Waiting for dequeue	FTP
		Qibmhelp	Qibmhelp	Waiting for time interval	Help Server
		⊖ Admin	Qtmhhttp	Waiting for signal	HTTP Server - Admin

		_	
		-	
_			

Command Definitions Systems Director

Type IBM i OS commands QSHELL, CL Windows, AIX, Linux commands

Run

- System
- Group

Scheduled

Web UI to run

Applet to create

|--|

Use command definitions to run commands and command-line programs using a specified user ID and password on target systems.

Command Definitions

Run Create Like Edit Delete Actions V Search the table Search							
Select	Name	\$	Command 🗘	UserId 🗘	Log 🗘	Timeout(Sec 🗘	
	FixMe		FixMe	greg	false	60	

🖶 Process Task : Cleanup output	_ 🗆 🛛
File Help	
Command	
Command Is	
Timeout (Seconds) 60	🗹 Log
Login	
User ID demo	
Password *******	

🖻 Process Task : Run accounting EOD 💷 🔲 🔀								
File Help								
Command	Command							
Command	Command system -v "dsplibl"							
Timeout (S	Timeout (Seconds) 60							
Login								
User ID	demo							
Password	Password ******							

Command Definitions System i Navigator

Туре Via native command line Run System Group Scheduled Prompt for command parameters Previous commands **Command Definitions** ØiSeries File Edit X

E: Ma -B

Central Sy

	🧶 Create Library (CR	RTLIB)	x	1
	<u>File E</u> dit <u>V</u> iew <u>H</u>			
	Library:		Name	
	Library type:	• *PROD • *TEST		
	ASP number:	1	1-32	
	ASP device:	*ASP 💽	Name	
	Text 'description':	*BLANK	Character value	
	Due Cer	and Declarking Contains		
		nmand - Production Systems		<u>?×</u>
S	Genera	al OS/400 Options		
	Comm	nand to run:		
	Call	mypgm(42)		
ries Navigator				
dit <u>V</u> iew Help				
I System: Iseries1				<u> </u>
Management Cer			1 [
Task Activity		Prompt	Previous Commands	
1 200	s and Products			
- 🔏 Inventor	Ŷ			
Fixes	Capilean	ок	Schedule Cancel	Help
🐻 Logical P	SUSSECTOR 36			
System V	/alues			
Scheduled Ta	asks			

Command Definitions Director Navigator

Туре

No saved definitions Run commands in real-time No saved commands Prompting

Previous commands

System - Lp13ut9	? _ 🗆
i5/OS System management allows you to perform general system level tasks.	
Allows you to display the system's current status.	
System Operator Messages	
Allows you to display messages sent to the system operator.	
PHistory Log	
Allows you to display the system's current history log.	
Ge <u>Disk Status</u>	
Allows you to view the system's current disk status.	
Run a Command Allows you to run an i5/OS cor	/?-□
Allows you to change your sys	
Application Administration Allows you to manage user's a	
Close	
i5/OS Options Prompt Previous Commands	
Run Command Cancel	

IBM

Going Beyond Command Definitions - 5250 Director Navigator - *New 7.1

System ×

Green Screen on the Web!

IBM i System management allows you to perform general system level ta 5250 Emulation

System Status

System - Isz1 p13

Allows you to display the system's current status.

System Operator Messages

Allows you to display messages sent to the system operator.

History Log

Allows you to display the system's current history log.

Disk Status

Allows you to view the system's current disk status.

Run a Command

Allows you to run an IBM i command.

5250 Emulation

Allows you to access a 5250 emulation session.

Change Password

Allows you to change your system password, or, if authorized, another

Application Administration

Allows you to manage user's authorizations to IBM i Navigator function

Signon to a full function 5250 screen

41 Power your planet.

F1 F13	F2 F3 F4 F14 F15 F16		F9 F10 20 F21 F22	F11 F12 F23 F24
		Subsys) : stem : .y :	RCHASTVA QBASE DMMAYO
	User Password			
	Program/procedure Menu Current library .			
37		(C) COPIRIGE	T IBH CORP. 1980	<u>, 2007.</u> 6,53
📰 Keyb	oard function keys 🛛 📀 Keyl	board focus		
Enter	Attention	Refresh Screen	Page	Up
	System Request	Stop Session	Reset Page D	own

File Transfer and Management Systems Director

How

Java Applet

What

Manage Files

Monitor Files

Where

System to System

Status

Interactive

Options

File

Directory

Remote Access

Manage the systems using remote access based tasks. This is comprised of several interactive tasks for accessing remote systems.

Manage

Remote Access

File Transfer Common Tasks Transfers files from one system to another. Hardware Command Line File Transfer: NeoDir The Management Processor management functions thro File Actions View Help can access and set a wide i Source File System Target File System configuration, communication Director Server NeoDir Other Launch Web Browser Name Name Opens a browser window for 🛑 🧰 cmdcons 🗅 🧰 bin Remote Command Line 🛑 🧰 CMVC 中 🧰 aDemoDirectory Establishes command-line a 🖢 🧰 DB2LOG instructions.txt 🖕 🧰 dirfiles 🗏 scrint txt Remote Control Establishes full-screen acces - 🗐 instructions.txt <u>–</u>– 🗏 script.txt Delete Remote Xen Console Documents and Settings Rename Establishes command-line 🖕 🚞 Download Transfer File(s) to Source 🛑 🧰 Drivers i **Properties** 🛑 🧰 i387. Synchronize from Source 🛡 🧰 icons Name: X Transferring Files... Ready Transferring file named: instructions.txt File Size: 37 bytes Stop 2010 IBM Corporation



File Transfer and Management System i Navigator

What Manage Files Manage File Security Where System to System System to Groups Status Interactive Scheduled Options File

Directory

	New Package Definition	<u>? ×</u>
🥙 iSeries Navigator	General Options Actions :	Sharing
<u>File E</u> dit <u>Vi</u> ew <u>H</u> elp	Name:	My Data
X 🖻 🖻 X 🖆 🔇 🖪 🍳 🖊	Description:	This is all of the data I own
Environment: My Connections	Source system:	System1
🕀 🛞 Management Central (Iseries1)	Selected files and folders:	
🗄 📲 My Connections	Source Path	Target Path Add
🗄 🖷 📰 Iseries1	/mytestdata/	
E		
🗄 💼 🛱 Work Management		💿 File
🗄 🦻 Configuration and Service		O Folder
🗄 🎆 Security		-
🕀 🎢 Users and Groups	4	Þ
🗄 🖷 Databases	🔽 Create snapshot	/Qsys.lib/Qusrsys.lib/MyData.file
File Systems		
🔄 📴 Integrated File System		
E Root		
⊡ 🔁 QOpenSys		
gopole, p		
		OK Cancel Help
File Shares	-	
1 - 2 of 2 objects		

File Transfer and Management Director Navigator

What Manage Files Manage File Security Where Single System only Status Interactive

Options

File

Directory

	- Lp13ut9	9						
i5/OS File S	ystems a	allows you to manage the	file syste	em.				
Integrate	מייוס	<u>rstem</u> hage the file system conte	ante 15/0	NetServer	file shares a			
File Share		lage the me system conta	=11:5, 15, 0	o netserver	me snares, a	na permission		
		age i5/OS NetServer file	shares.					
Create Fi	le Share							
		te an i5/OS NetServer file	share.					
		Show All Fil	e System	s Tasks				
Close								
System - Lp13ut9	9							
System - Lp13ut5 Hide tree								
Hide tree	Path: /							
Hide tree			2	Select A	ction		×	Go
Hide tree	Path: /	Name A	P Size A		and the second	Accessed A		Go
Hide tree ated File System ot penSys LS	Path: /	And and a second s	Size 🔺		Changed 🔺	Version and the second second		- <u> </u>
Hide tree ated File System ot penSys LS YS.LIB	Path: /	Name A	Size A	Type ^	Changed ^ Nov 12, 2008 1:54:04 PM	Oct 17, 2008 2:45:14 PM Jan 15, 2008	Created	14 PM
Hide tree ated File System ot penSys LS YS.LIB ileSvr.400	Path: /	Name A	Size A	Type A OLD File	Changed A Nov 12, 2008 1:54:04 PM Jan 15, 2008 1:56:37 PM	Oct 17, 2008 2:45:14 PM Jan 15, 2008 1:56:35 PM Mar 28, 2009	Created Oct 17, 2008 2:45:	14 PM 35 PM
Hide tree	Path: /	Name ^	Size A	Type A OLD File File File Folder	Changed A Nov 12, 2008 1:54:04 PM Jan 15, 2008 1:56:37 PM Jan 14, 2008 6:16:52 PM	Oct 17, 2008 2:45:14 PM Jan 15, 2008 1:56:35 PM Mar 28, 2009 2:40:12 PM Jan 29, 2008	Created Oct 17, 2008 2:45:3 Jan 15, 2008 1:56:	14 PM 35 PM 52 PM
Hide tree Inted File System DE DenSys LS YS.LIB IeSvr.400 PT	Path: / Select	Name A B.OLD® B.10 bin®	Size A 2.28MB 1KB 1.62MB	Type A OLD File File File Folder	Changed A Nov 12, 2008 1:54:04 PM Jan 15, 2008 1:56:37 PM Jan 14, 2008 6:16:52 PM Feb 25, 2009 3:08:40 AM	Oct 17, 2008 2:45:14 PM Jan 15, 2008 1:56:35 PM Mar 28, 2009 2:40:12 PM Jan 29, 2008 7:29:54 PM Jan 15, 2008	Created Oct 17, 2008 2:45: Jan 15, 2008 1:56: Jan 14, 2008 6:16:	14 PM 35 PM 52 PM 54 PM
Hide tree Ited File System DE DenSys LS YS.LIB IeSvr.400 PT	Path: /	Name A B.OLD® B 10 bin® Core®	Size A 2.28MB 1KB 1.62MB	Type ^ OLD File File File Folder File Text	Changed A Nov 12, 2008 1:54:04 PM Jan 15, 2008 1:56:37 PM Jan 14, 2008 6:16:52 PM Feb 25, 2009 3:08:40 AM Jan 15, 2008	Oct 17, 2008 2:45:14 PM Jan 15, 2008 1:56:35 PM Mar 28, 2009 2:40:12 PM Jan 29, 2008 7:29:54 PM Jan 15, 2008 11:25:48 AM Jul 3, 2008	Created Oct 17, 2008 2:45: Jan 15, 2008 1:56: Jan 14, 2008 6:16: Jan 29, 2008 7:29:	14 PM 35 PM 52 PM 54 PM 54 AM

File Folder

File Folder

File

🦳 home 🖻

🦳 InstallShield 🖻

JKSconfig.properties

1

12:06:48 PM 1:58:56 PM

6:48:34 PM 11:41:21 AM

12:00:11 PM 12:00:11 PM

2:08:25 PM 10:43:48 AM

2KB PROPERTIES Oct 25, 2007 Feb 8, 2008 Feb 8, 2008 10:45:43 AM

Mar 25, 2009 Mar 27, 2009 Jan 15, 2008 12:11:11 AM

Mar 27, 2009 Mar 27, 2009 Mar 27, 2009 12:00:11 PM

IBM Power Systems

Monitoring Systems Director

Monitor by selecting...

Dashboard/Graphs

Monitor Views

System or Group

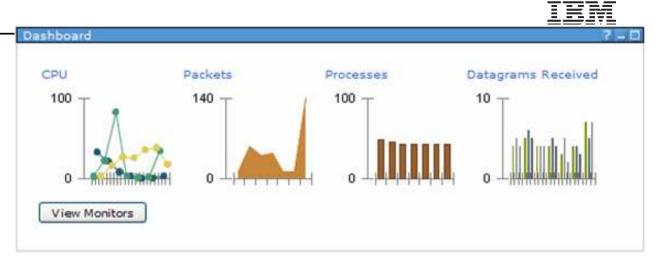
Update Compliance

Status

Threshold

Security

Offline



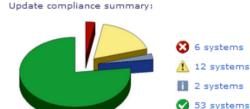
Update Management

Search:

Search

Use update management to manage updates for your systems. Create update compliance checks on systems to ensure they remain current. Schedule a check for updates to ensure you always have the latest updates.

Systems (monitoring 73 out of 291 total)



Modify system compliance checks... Show updates needed by a system... Show updates installed on a system...

20 systems have not passed their update compliance checks Select a system or group to monitor, then select a view to show. Create your own view to group moni

otto01.austin.ibm.com 💙 Browse...

Mon		
1010011	10001	

Monitor

Sho		ions 🔻 Search the table	Search	3 update groups Use groups to categorize updates ar compliance on your systems
Select	Name 🗘	Read Only 🗘	Description	
	AIX monitors	False		4 update compliance reports Use compliance reports to ensure yo
	All Monitors	True	All monitors available	updates they should
	Column Management Monitors	False	Monitors available as	Cottingen
	Common CIM Monitors	True	Common monitors av	Settings
	Common Monitors	True	Common monitors av	You are ready to manage updates.
	UNIX Monitors	False		
	Virtualization Manager Monitors	True	Virtualization manage	r monitors a

Updates

3 update groups Use groups to categorize updates and to simplify update compliance on your systems

4 update compliance reports Use compliance reports to ensure your systems have the updates they should

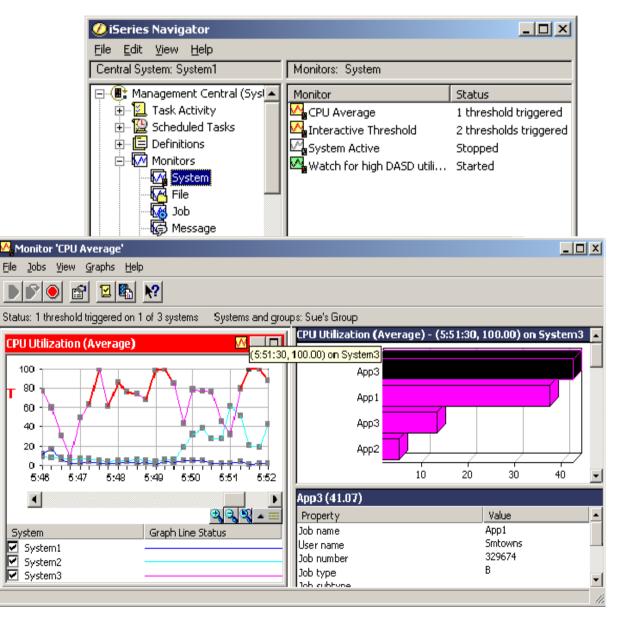
Check for updates... Install an update... Uninstall an update... Show all updates... Import an update...

Getting started... Change settings...

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Monitoring System i Navigator

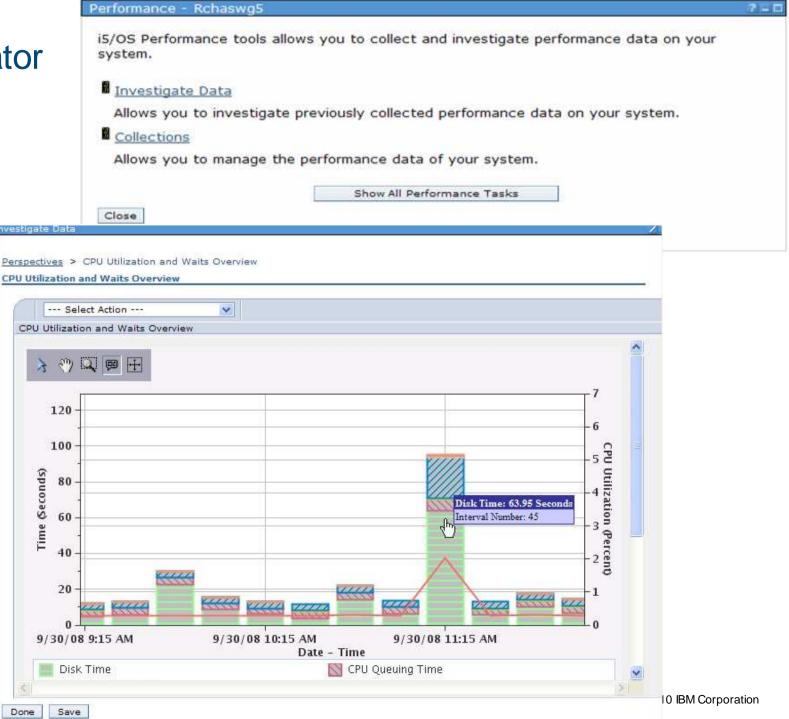
Monitor by selecting... Resource type Predefined metrics System and/or Group Enabled with Event logging Trigger/Reset notification **CL** Command Automation System Actions Job actions (hold, release...) Variety of views Graphs Lists





Monitoring Director Navigator

Performance Views Health Indicators Thresholds

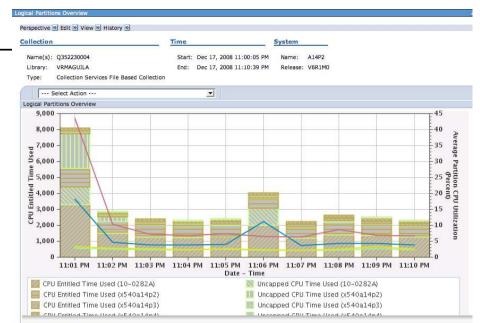


47 Power your plan

IBM Power Systems

Monitoring Director Navigator *New October 2009

Logical Partitions Overview



http://ibmsystemsmag.blogs.com/i_can/2009/10/i-can-display-cpu-utilization-for-all-partitions.html

lection	Time		Syste	m		
ame(s): CS228229ND	Start:	Feb 28, 2008 1	12:00:02 AM Nam	e: RCHASTND		
brary: COMMON	End:	Feb 29, 2008 1	L2:00:00 AM Rele	ase: V6R1M0		
pe: Collection Services File Based Collect	tion					
Select Action						
stem Resources Health Indicators						
		Interv	als Distribution (Percent)		
8	20	04	66		80	
	1	Second Second			1,	
CPU -						
				<u> </u>	-	_
Disk -						
Disk - Memory Pools -					2	
Memory Pools -						
						1111
5250 OLTP Response Time -						

System Resource Health Indicators

IBM Power Systems

Thresholds Systems Director

Defined per Monitor

One threshold on a monitor

System

Group

Several levels

Generates events

Triggers for automation

onitor View

otto01.austin.ibm.com



elect	Name	S Monitor Name S	Monitor Type 🗘	Threshold St 🗘	Current 🗘	Warr
	otto01.austin.ibm.com	Active Virtual Memory (%)	Individual		126%	
	otto01.austin.ibm.com	Active Virtual Memory (4K Pages)	Individual		564814	
	otto01,austin,ibm.com	CPU Utilization	Individual	Activated	1,19%	>= 8
	otto01.austin.ibm.com	Disk % Space Used	Individual		86.89%	
	otto01.austin.ibm.com	Disk Space Remaining	Individual		67 Megabytes Fr	
	otto01.austin.ibm.com	Disk Space Used	Individual		444 Megabytes U	
	otto01,austin,ibm.com	IP Packets Received with Errors/sec	Individual		0 Packets/sec	
	otto01.austin.ibm.com	IP Packets Received/sec	Individual		26 Packets/sec	
	otto01.austin.ibm.com	IP Packets Sent/sec	Individual		22.77 Packets/se	
	otto01.austin.ibm.com	IPV6 Error Packets Received/sec	Individual		0 Packets/secon	
	otto01.austin.ibm.com	IPV6 Packets Received/sec	Individual		0 Packets/secon	
	otto01.austin.ibm.com	IPV6 Packets Sent/sec	Individual		0 Packets/secon	
	otto01.austin.ibm.com	Memory Usage	Individual		1818591232 Meg	
	otto01.austin.ibm.com	Paging Space Free (%)	Individual	🦲 Activated	81.21%	
	otto01.austin.ibm.com	Paging Space Remaining (4K Pages)	Individual		425789	
				l l		>

Threshold	Options		
Monitor values the	at are too high:		
✓ Critical:			
95			
✓ Warning:			
85			
Monitor values the	at are too low:		
Warning:			
Critical:			
1			
OK Cancel]		

Thresholds System i Navigator

Defined with Monitor View via Monitor Activated with Mo

	'CPU Average' Properties	? ×
via Monitor	General Metrics Actions Systems and Groups	
ted with Monitor	Available metrics: Metrics to mor CPU Utilization (Interactive Jobs) Add> CPU Utilization (Interactive Feature) Add> CPU Utilization (Database Capability) Image: Comparison of the sector of the	
	CPU Utilization (Secondary Workloads) CPU Utilization Basic (Average) Interactive Response Time (Average) Interactive Response Time (Maximum) Transaction Rate (Average)	
ØiSeries Navigator	Transaction Rate (Interactive) Batch Logical Database I/O	
<u>File E</u> dit <u>V</u> iew <u>H</u> elp	CPU Utilization (Average)	
Central System: System1 Mc	nitors: Job General Threshold 1 Threshold 2	
i 📩 🌆 Tarah Ashirika	Enable threshold	
	nitor Trigger: >= 80 percent busy	
	Ensure SNM Duration: 1 1 intervals	
	Sample Don OS/400 command: SNDMSG MSG("There is a problem.") TOUSR(SMT0	OWNS Prompt
	Track Activi Reset: < 70 percent busy	
File	Watch for S Duration:	
Job	OS/400 command: SNDMSG MSG('Problem fixed.') TOUSR(SMTOWN	S) Prompt
	OK Cancel	Apply Help
📃 🔤 🐼 B2B Activity 💌		

Thresholds Director Navigator

Customizable with Health Indicators

System Resources Health Indicators	Available Indicators		Selected Indicators	Current Threshold Values
<u>CPU</u>	[Empty]	Add >>	5250 OLTP Response Time	Warning 0
<u>Disk</u>		Remove <<	CPU Disk	Action 0
Memory Pools 5250 OLTP Response Time			Memory Pools	

"Design Mode" allows thresholds to be added to performance charts

Select Action \$	Thresholds	Add Threshold
Seizes and Locks Waits Overview Contention Waits Overview Disk Waits Overview Journal Waits Overview Classic JVM Waits Overview CPU Utilization by Thread or Task Resource Utilization Overview CPU Health Indicators	[Empty] Add Edit Delete	Name Field Color Random Current Value Percent Reset to Default Value
Export Modify SQL Size next upgrade Change Context Show as table		Default Value Percent Update to Current Value OK Cancel

Events Systems Director

Multi-pane View

All

Types....

View Details

Create Event Filters – IBM i messages are supported event types

ceate Event Filter W

Welcome

< Back (Next >) Finish (Cancel)

Welcome

Welcome to the Event Filter wizard.

Show welcome page

This wizard helps you to create or edit an event filter. Event filters specify the event criteria that should trigger an automation plan. Event filters also simplify viewing the event log. You can configure the event filter to be precise or general. For example, you can detect a single type

of event from a particular system, or you can detect all event types of a certain severity. Use this wizard to specify the event criteria that you want to include in the filter.

/ Welcome	IBM i Event Type
Filter Name	Specify the IBM® System i [™] event types that you want to include in the filter.
 Event Type IBM I Event Type Severity and Category Event Sender Event Text Time Range Summary 	An IBM i event type represents messages sent by events that occur on an IBM System i operating system. The filter will look for IBM i event types that you define on this panel. Type the library, message queue, and (optionaliy) the message ID of the IBM System i event type that you want to include. Use the following format: library/message_queue.messageID Then click Add to add the IBM System i event type to the list. IBM I.Message Queue. QSYS/QSYSOPR.CPF1804 Add Selected IBM i event types:
< Back Next > Finis	IBM I.Message Queue.QSYS/QSYSOPR.CPF1804 Remove

IB:

010 IBM Corporation

Pov

1 mil and

Events System i Navigator

View by typ Property D

/iew by type		System Event Log						
		File View Op	tions Help					
Property Details								
	System or group: All Metric: All Monitor: CPU Average							
		Event	Date	Time	System	Metric 🔺		
Event Properties	🙆 Trigger	5/4/2002	7:10:01 PM	System3	CPU Utilizati			
		Reset	5/4/2002	7:09:30 PM	System3	CPU Utilizatio		
General Trigger		🔇 Trigger	5/4/2002	7:08:45 PM	System3	CPU Utilizatio		
Event human	Tulanan	Ӿ Trigger	5/4/2002	7:07:00 PM	System3	CPU Utilizatio		
Event type:	Trigger	Reset	5/4/2002	7:05:30 PM	System3	CPU Utilizatio		
		🖲 Trigger	5/4/2002	7:03:01 PM	System3	CPU Utilizatio		
Date:	5/4/2002	Reset	5/4/2002	7:01:15 PM	Systemð	CPU Utilizatio		
		🖲 Trigger	5/4/2002	6:59:46 PM	System3	CPU Utilizatie		
Time:	7:16:30 PM	Reset	5/4/2002	6:59:01 PM	System2	CPU Utilizatio		
		🙁 Trigger	5/4/2002	6:58:46 PM	System2	CPU Utilizatio		
System:	System3	Reset	5/4/2002	6:58:46 PM	System3	CPU Utilizatio		
1		🖲 Trigger	5/4/2002	6:57:46 PM	System3	CPU Utilizatio		
Metric:	CPU Utilization (Aver	Reset	5/4/2002	6:57:30 PM	System3	CPU Utilizatio		
Wetric.	CPO Oblization (Aver	💓 Trigger	5/4/2002	6:54:46 PM	System3	CPU Utilizatic 🖵		
Monitor:	CPU Average	4				•		
	er e i norage					11.		

		_	_
_	_		

Events Director Navigator

Messages Message queues

			Go			
elect	From User	^ Type	A Message A Se	nt ^	Message ID 🔹 🔨	Severity ^
	Filter	Filt	er, <u>Filter</u> ,	<u>Filter</u>	<u>Filter</u>	<u>Filter</u>
	🖗 Qsrvagt 🖻	Information	Service Agent is analyzing your system product activity log entries.	3/28/09 4:12:38 PM	CPIEF01	
	🖗 Dhqb	Completion	Job 156286/DHQB/ANZDFTPWD3 completed normally on 03/28/09 at 16:00:01.	3/28/09 4:00:01 PM	CPF1241	
	💭 Qsys 🖻	Completion	Job 156286/DHQB/ANZDFTPWD3 submitted for job schedule entry ANZDFTPWD3 number 001841.	3/28/09 4:00:00 PM	CPC1236	
	🖗 Qsys 🖻	Information	Log version QHST09087B in QSYS closed and should be saved.	3/28/09 1:39:41 PM	CPF2456	
	🖗 Qsrvagt 🖻	Information	Service Agent is analyzing your system product activity log entries.	3/28/09 12:12:41 PM	CPIEF01	
	🗭 Dhqb 🖻	Completion	Job 156275/DHQB/ANZDFTPWD2 completed normally on 03/28/09 at 12:00:01.	3/28/09 12:00:01 PM	CPF1241	
	🗭 Qsys 🖻	Completion	Job 156275/DHQB/ANZDFTPWD2 submitted for job schedule entry ANZDFTPWD2 number 001840.	3/28/09 12:00:00 PM	CPC1236	
	🖗 Qsrvagt 🖻	Information	Service Agent is analyzing your system product activity log entries.	3/28/09 8:12:44 AM	CPIEF01	
	🖗 Qsys 🖻	Information	Log version QHST09087A in QSYS closed and should be saved.	3/28/09 6:52:25 AM	CPF2456	
	🖗 Qsys 🛛	Information	Log version QHST09086C in QSYS closed and should be saved.	3/28/09 6:49:11 AM	CPF2456	
	💬 Dhqb🖻	Completion	Job 155499/DHQB/ANZDFTPWD1 completed normally on 03/28/09 at 06:00:01.	3/28/09 6:00:01 AM	CPF1241	
Π		Completion	Job 155499/DHQB/ANZDFTPWD1 submitted for job schedule entry ANZDFTPWD1 number 001839.	3/28/09 6:00:00 AM	CPC1236	
	💭 Qsrvagt 🖻	Information	Service Agent is analyzing your system product activity log entries.	3/28/09 4:12:48 AM	CPIEF01	
	Dhqb	Completion	Job 155492/DHQB/ANZDFTPWD5 completed normally on 03/28/09 at 01:00:01.	3/28/09 1:00:01 AM	CPF1241	

IBM Power Systems

Automation Systems Director

Separate Configuration Automation Plans **Event Filters Event Actions** Creativity to combine

Variety of defined actions

Customizable actions

55

3M-	System	s Director Welcome danzio	Help Logout IBM.
10			Select Action 🗸
12	Automat	ion X Automation X Event Autom X	Delect Actori
	Automa	tion Plans	
	-	Creat	e Action
1		Libat	e Action
-	Select th	e type of action that you want to create.	
	A	tions 👻 Search the table Search	
	Select	Name	
-	0	Start a program on a system	
	0	Start a program on the system that generated the eve	nt.
ľ	0	Send an e-mail to a mobile phone	
	0	Start a program on the management server	
1	0	Send an e-mail (Internet SMTP)	
	0	Send an alphanumeric page (using TAP)	
-	0	Static group: add or remove group members	
	0	Post to a newsgroup (NNTP)	
	0	Send an SNMP trap reliably to a NetView host	
	0	Send a Tivoli Enterprise Console event	
	0	Static group: add or remove the event-generating syst	em
	0	Send an SNMP inform request to an IP host	
	0	Send an SNMP trap to an IP host	
	0	Modify an event and send it	
	0	Timed alarm that starts a program	
8	0	Timed alarm that starts a program	
		ige 1 of 2 🕨 🖬 👔 🚺 Selected: 0 Total: 21	Filtered: 21
1			
ļ	ок] [Cancel Help	
	<	Back Next > Finish Cancel	

Automation Manag

Automation Manager

Automation summary within the last 30 days.

Scheduled Jobs

Number of jobs scheduled: 0 Job management Number of jobs completed successfully: 1 Number of jobs failed with errors: 0 Active and scheduled jobs

Upcoming job runs: None.

Most recent job runs: Date Job Status 11/14/08 2:22 PM Collect Inventory - November 14, 2008 2:22:33 PM EST Completed

Systems with the Most Frequent Critical or Warning Events

System Events NETX103 29 NETVQ10 2 scenariox141.scenario.netfinity.com 2 scenariox142.scenario.netfinity.com 1

Most Frequent Critical or Warning Events

Eile Edit View History Bookmarks Tools Help Event type IBM* Systems Director CIM.Director Agent Events.Generic Event. Managed Resource.Managed System Resource.Logical Resource.System.Co Processor. (OperationalCondition: ConfigError) ManagedSystemElement.LogicalElement.ServiceAccessPoint.RemoteServiceA (Common Agent State: stopped) Managed Resource.Managed System Resource.Logical Resource.Logical Dev Event Automation Plans

Number of active plans: 1 Number of inactive plans: 0

omation Plans		
✓ Welcome	Events	
 Name and description 	Specify one or more events that will trigger this event automation plan.	
✓ Targets		
Events Event actions Time range	Events: Common Common Commo Advanced Event Filters events of common interest in your systems-management	
Summary	environment. For example, the Fans event type filter is triggered by any fan events. To learn more, click each event type name in the list to display a description and any additional settings for that event type.	
	Select event types from the following list:	
	General	
	Common Agent	
	Updates	
	User Login Security	
	Event Severity	
	Thresholds	
	CPU Utilization	
	Memory Usage	
	Disk % Space Used	
	Hardware	
	Processors (CPU)	
	Disks	
	English Englis	
	Memory	
	Network and switches	

Event management

Event log

IBM Systems Director - Mozilla Firefox

< Back Next > Finish Cancel



Help Logout IRM.

Automation System i Navigator

Defined with Monitor IBM i commands Integrated prompter

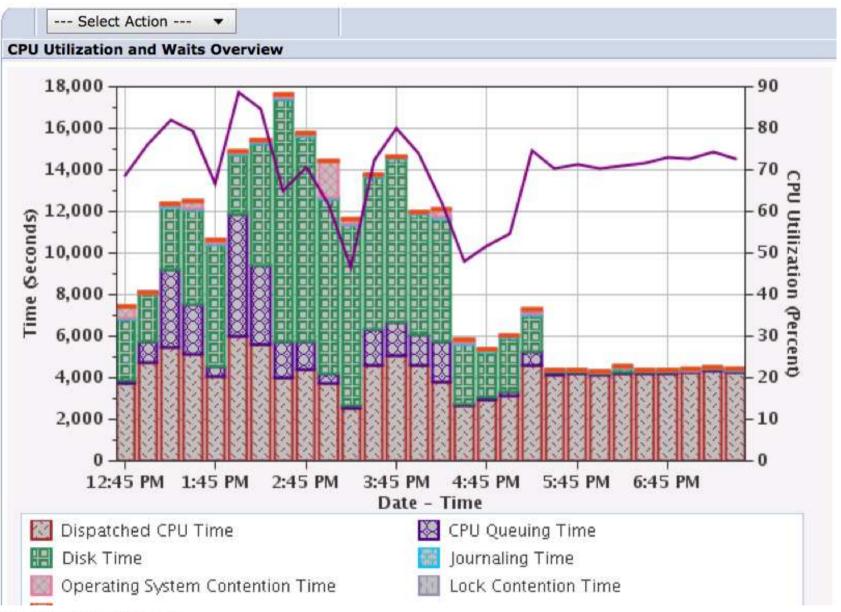
CPU Average' Properties		? ×
General Metrics Actions Systems a	and Groups	
Available metrics:	Metrics to monitor:	
CPU Utilization (Interactive Jobs) CPU Utilization (Interactive Feature) CPU Utilization (Database Capability) CPU Utilization (Secondary Workload CPU Utilization Basic (Average) Interactive Response Time (Average) Interactive Response Time (Maximum Transaction Rate (Average) Transaction Rate (Interactive) Batch Logical Database I/O	ds)Remove <	
CPU Utilization (Average)		
General Threshold 1 Threshold 2		
Enable threshold		
Trigger:	>=	
Duration:	1 intervals	
OS/400 command:	SNDMSG MSG('There is a problem.') TOUSR(SMTOWNS Prompt	
Reset:	< 70 + percent busy	
Duration:	1 intervals	
OS/400 command:	SNDMSG MSG('Problem fixed.') TOUSR(SMTOWNS) Prompt	
	OK Cancel Apply Help	

Going Beyond the Basics Director Navigator

Multiple window support * New in 7.1

Image: Section of the section of th	۹) »			
	»			
ISZ1LP11 - IBM Systems Director +				
3M Systems Director Navigator for i5/OS* Welcome dmmay Help Logout Help Logout Help Logout				
View: All tasks + Performance × Investigate × Work Manage × Select Action +	1 🛊			
Welcome My Startup Pages Investigate Data	17-0			
☐ I5/OS Management - Isz1 p11 ? □ Perspectives Selection				
System i5/OS Work Management allows you to manage your i5/OS jobs, job queues, output queues, subsystems, and memory pools. Image: Comparison of the system of the sy	_			
Configuration and Service				
Allows you to work with all jobs that are currently active.	_			
Administration Security Users and Groups Databases Administration Security Losers and Groups Databases Administration Security Allows you to manage server jobs that are currently active. This chart shows CPU utilization and some categories of the ministration CPU utilization and Waits Overview CPU utilization and Waits Overview Allows you to manage server jobs that are currently active. This chart shows CPU utilization and some categories of the ministration Security Allows you to manage server jobs that are currently active. This chart shows CPU utilization and some categories of the ministration Security Allows you to manage server jobs that are currently active. CPU utilization and Waits Overview	for the			
Journal Management • <u>CPU Utilization by Thread or Task</u> • <u>CPU Utilization Overview</u> • <u>Locked</u> Performance Allows you to manage the job queues that are currently active, and the jobs that are located on these queues. • <u>CPU Utilization Overview</u> • <u>Locked</u>				
File Systems Image: Configurations Image: Configuration of the systems New Forspective Allows you to manage output queues. Image: Configuration of the systems Image: Configuration of the systems New Forspective				
Bettings Bactive Subsystems Active Subsystems Ac				
subsystems.	U			
Active Memory Pools				
Allows you to manage the memory pools that are currently active, and the jobs that are located in these pools.				
Show All Work Management Tasks				
Close				
Solutions	¥			
Physical System	•			

Going Beyond the Basics Director Navigator – Investigate Data

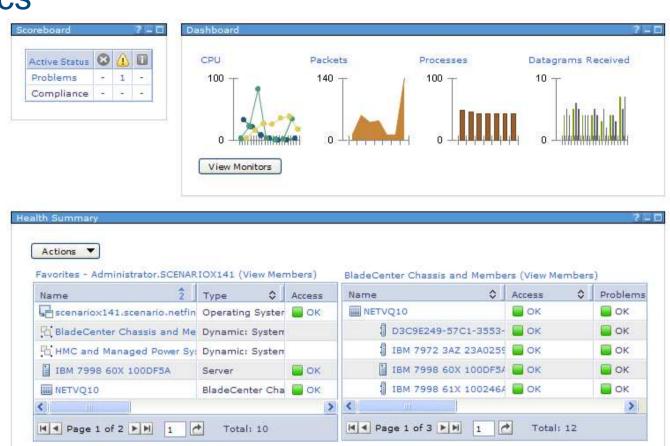


58 Power your planet.

Going Beyond the Basics Systems Director

Health summary

Favorite systems Critical monitors Group thumbnails



Systems with Problems (View Members)

Name 🔷	Access 🗘	Problems
scenariox141.scenario.netfin	🔤 ок	(A) Minor
<		>
A Page 1 of 1 PH 1	Total: 1	

Going Beyond the Basics Systems Director

Enhanced System Details

Power Systems summary

Launch-point

Familiar

Intuitive groups

Drilldown to properties

Search

Finger-tip troubleshooting

Contextual tasks

Inventory

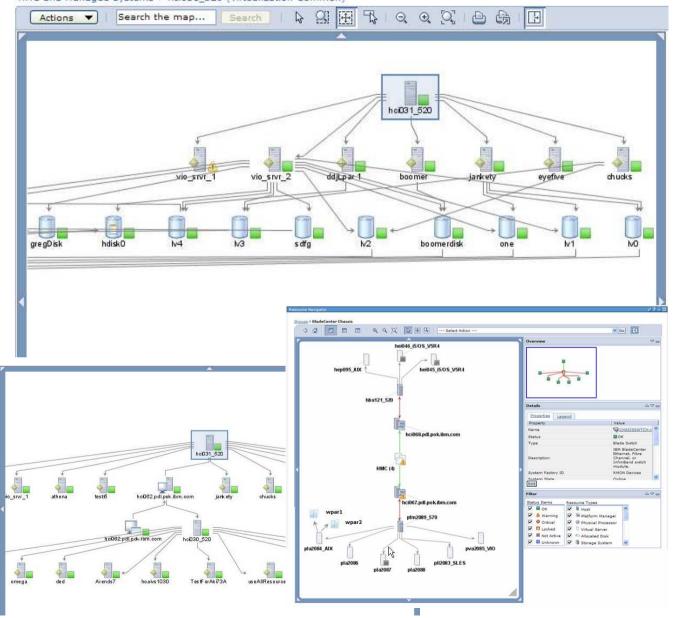
View topology map

Relationships

Dependencies

Launch embedded tasks





		_	
	-		

Going Beyond the Basics Systems Director

Energy Management

Energy Usage Summary

Configuring Energy

Power capping

Power savings mode

Configure PDU

Update PDU firmware

Monitoring, Automation

power and temperature values

Trend Data

Watt-Hour Meter

Topology Map

System "plugged into" PDU

This page displays the Active Energy Monitors monitors.

0B4F0000-F1C6-11DA-8D44-0...

Actions Search the table Search						
Select	Name 🗘	Monitor Name 🗘	Monitor Type 🗘	Threshold St 🗘	Current 🗘	
	0B4F0000-F1C6-	Ambient Temperature	Individual		25.00	
	0B4F0000-F1C6-	Average Input Power	Individual		449.40	
	0B4F0000-F1C6-	Average Output Power	Individual		428.00	
	0B4F0000-F1C6-	Effective CPU Speed	Individual		100.00	
	0B4F0000-F1C6-	Exhaust Temperature	Individual		40.00	



Summary

Decide what operating systems to manage

Decide homogenous verse heterogeneous

Decide what is important for you and your company!!!

References

IBM Systems Director Navigator Redbooks Publication http://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg247789.html?Open

IBM I 7.1 Technical Overview Redbooks Publication http://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg247858.html?Open

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Revised September 26, 2006

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