

q-Status[™] Saves the Data Center, Money

The Problem: An inordinate amount of time is spend by system administrator, IT project manager and data center professionals evaluating server operations. As an up-to-date configuration server monitoring application, **q-Status**[™] quickly locates software, identifies hardware, validates network configuration, performs comparisons, search and find from a simple web 2.0 GUI without the need to log into any server. As servers are deployed or updated, **q-Status**[™] automatically identifies configuration issues and even compares previous history.

Our Philosophy: q-Status[™] uses Configuration to monitor the data center, not performance monitoring¹. q-Status[™] provides IT professional more capability to identify issues and generate meaningful information that is easily understood.

Where is the Software?

A data center has 50 Windows servers (virtual and non virtual). The battery backup system needs to be updated. Which server are running the battery backup software?.

 Without q-Status[™], system administrators would use an existing spreadsheet but still needs to verify the correctness by logging into each Windows server and listing all software. This can take three hours to obtain information.

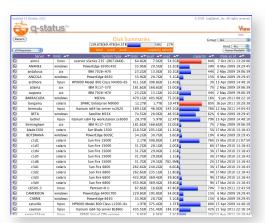


 With q-Status[™], it simply take about a minute to generate a search and find report which list the four server.

What Storage Do I Have?

You have over 1000 servers with various types and operating systems including Linux, Solaris, Windows, HPUX and AIX. You want to add a storage area network (SAN). How much storage is being used in the current data center?

 Without q-Status[™], a day or more is required to do an inventory each server and list each filesystem and usage.



 q-Status[™] maintains a continuous inventory which is always up-to-date. Simply generate a storage summary for all servers as a single report. q-Status[™] reports allow dynamic display to show only storage uses by data storage used against os storage used.

Which Servers Need Updated?

You have 80 Linux Servers including virtualized servers. A waited list needs to be generated of the number of software updates that need to be installed.

- Without q-Status[™], the IT support staff performs a two hours to check for updates on each server to generate a list and create a report.
- With **q-Status**[™], it simply take less than minute to generate a **q**-

Status^{\mathbf{M}} software update summary with detail information hyperlinks.

Updated 10 October 2011	© 2011 LogiQwest, Inc. All rights reserver
a g-status"	🐧 Linux
	Search Hel
(Return) Pending Sof	tware Updates for dev2
	Revision (148 pending)
	2.6.18-194.8.1.el5
apr.i386	1.2.7-11.el5_6.5
autofs.i386	1:5.0.1-0.rc2.143.el5_6.2
avahi-compat-libdns_sd.i386	0.6.16-10.el5_6
avahi-devel.i386	0.6.16-10.el5_6
avahi-glib.i386	0.6.16-10.el5_6
avahi-qt3.i386	0.6.16-10.el5_6
avahi.i386	0.6.16-10.el5_6
compat-dapl.i386	2.0.25-2.el5_6.1
compat-openIdap.i386	2.3.43_2.2.29-12.el5_6.7
coreutils.i386	5.97-23.el5_6.4
cups-libs.i386	1:1.3.7-26.el5_6.1
cups.i386	1:1.3.7-26.el5_6.1
curl-devel.i386	7.15.5-9.el5_6.3
curl.i386	7.15.5-9.el5_6.3
dapl-utils.i386	2.0.25-2.el5_6.1
dapl.i386	2.0.25-2.el5_6.1
dbus-devel.i386	1.1.2-15.el5_6
dbus-libs.i386	1.1.2-15.el5_6
dbus-x11.i386	1.1.2-15.el5_6
dbus.i386	1.1.2-15.el5_6
device-mapper-multipath.i386	0.4.7-42.el5_6.3
dhclient.i386	12:3.0.5-23.el5_6.4
filesystem.i386	2.4.0-3.el5.centos
firefox.i386	3.6.18-1.el5.centos
gdb.i386	7.0.1-32.el5_6.2
gdbm-devel.i386	1.8.0-26.2.1.el5_6.1
gdbm.i386	1.8.0-26.2.1.el5_6.1
giflib.i386	4.1.3-7.3.3.el5
gimp-libs.i386	2:2.2.13-2.0.7.el5 6.2
aimp i286	2-2 2 12 2 0 7 els 6 2

Similarly, for Solaris servers, **q**- **Status**[™] has a build in patchdiag analysis to generate to summary list with a detail hyperlink for Solaris patches requirements for each server.

Do the Servers Match?

For the IBM AIX servers running DB2, IT needs to identify which version of the software family needs meet a master install version:

 Without q-Status[™], system administrators will log into each of the database servers and list the software. They will then create a spreadsheet with only the DB2 software differences show. This takes at least a couple of hours.

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g-statu:	0				IBM AIX
				@DB2	Re He
Return		Install	ed Pao	kages	Revision Conflicts Only
145 (of 45 pkgs)		birmingham			
Package	5.3.0.0	5.3.0.0	5.2.0.0	5.3.0.0	Package Description
db2_08_01.adt.rte	8.1.1.96				Base Application Development Tools
db2_08_01.adt.samples	8.1.1.96				ADT Sample Programs
db2_08_01.ca	8.1.1.96	8.1.1.96			Configuration Assistant
db2_08_01.cc	8.1.1.96	8.1.1.96			Control Center
db2_08_01.ch.en_US.iso88591	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Control Center Help (HTML) – en_US.iso88591
db2_08_01.cj	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Java Common files
db2_08_01.client	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Base Client Support
db2_08_01.cnvucs	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Code Page Conversion Tables - Unicode Support
db2_08_01.conn	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Connect Support
db2_08_01.conv	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Code Page Conversion Tables
db2_08_01.cs.rte	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Communication Support - TCP/IP
db2 08 01.ctsr	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Control Server
db2 08 01.das	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Administration Server
db2 08 01.db2.engn	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Base DB2 UDB Support
db2 08 01.db2.rte	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Run-time Environment
db2 08 01.db2.samples	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Sample Database Source
db2 08 01.dc	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Development Center
db2 08 01.dj	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	DB2 Data Source Support
db2 08 01.djinx	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Informix Data Source Support
db2 08 01.dix	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Relational wrappers common
db2 08 01.dw.cmn	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Data Warehouse Common Component
db2 08_01.dw.sampledb	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Warehouse Sample Database Source
db2 08 01.dw.sry	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Warehouse Server
db2 08 01.dwc	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Data Warehouse Center
db2_08_01.essg	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Product Signature for DB2 UDB Enterprise Server Edition
db2_08_01.fs	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	First Steps
db2 08 01.gcln	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Spatial Extender Client

 Using q-Status™, a simultaneously software comparison is displayed only the database servers. Using dynamically filtering only software name and version discrepancies are displayed. This takes about a minute to generate this single report.

Which Virtual Servers Need Prioritized?

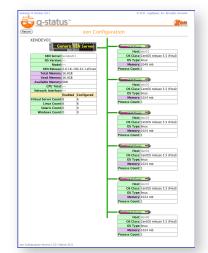
A new IT project needs to get a list of what virtual servers are running on which hardware to prioritized hardware upgrades. This company uses five virtualization technologies including: Xen, VMware, KVM, Solaris Zones and LDOMS.

 Without q-Status™, each virtualization vendor's software must be used to create reports to identify which Virtual server is running on which physical hardware. This might take a half a day to consolidate the reports.

-			Server Types Virtual 72 Linux 31 Selarts 28 Windo	es 🛛 Te	72			
Return)			Server Summaries		Group: Au S			
		16	Processor					
Hostname 🔻	Svitere Type							Date as of AT
New-1465128	SPARC Entertarias T5120	solaris	56/05 5.33	láon.		65882 204		1 33 Aug 2016 22:52 31
0.04-585122-More1	SPARE Redeeperson TS120	solaris	San(2), 5, 33	140m	26 11	65882 1611	SER VIEW	1 12 Aug 2010 22:52 11
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(dektwik)	Whene Vetual Platform	lings	Oebian 4.8	VENANC	1 3592.5	15Mbz 256.97	SHE VITES	1 12 Aug 2011 15:28:45
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dev02	Intak® Core/TM2 Duo CPU E5400	linax	CentOS release 5.5 (Final)	201	1 2999.7	27HBz 1026.93	sea vicual	1 12 Aug 2011 15:28:45
(dev0)	Intak® Core/TM2 Duo CPU EM00	linax	ContOS release 5.5 (Final)	204	12999.7	16MB2 1026-93	see vicual	1 12 Aug 2011 15:28:41
dev04	Intel(k) Care(TNE2 Duo CPU E#460	linux	Cent05 release 5.5 (Final)	204	1,2998.7	27882 1026.93	tek virusi	1 12 Aug 2011 15:28:44
adent/S	Intekto Care/INE2 Duo CPU E8400	linux	CentOS release 5.5 (Final)	824	1,2999.7	26882 1026.93	MR VICES	1 12 Aug 2011 15:28:44
UdexC6	Intekti Core/INE2 Duo CPU E8400	linux	CentOS release 3.5 (7 Inal)	924	1 9082.0	1026.93	SER WARd	1 12 Aug 2011 15:28:44
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Jecult 1	Whears, Inc. Whears Virtual Platform	solaris	SanOS 5.33	VERAN		11882 102		1 27 Sep 2009 21 53 23
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Usune	SPARC Entertarius T5220						MR VITAN	2 17 Mar 2010 13:18:41

 q-Status[™] display a single virtual inventory summary for all virtual technology. A simple hyperlink will display the virtual servers layout to the physical server. This takes less than five minutes to create comprehensive reports².

Bonus: No VMware VCenter license is required to generate this configuration information for VMware ESX (i) servers.



Where is the Problem?

You have migrated about 125 servers to a new network architecture. Unfortunately, default router information has been not updated properly.

• Without **q-Status**[™], system managers manually log into each server to verify the default router for all the servers in the data center and then fix the ones they fine.

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(etare)								TOUD ALL
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64218	192,168,3,24	255,255,255,0	8.0.20.b0.41.x4	P14		192,168,3,3	Enterprise 250	3an Peb 8 12:08:31 200
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ctet	192.168.0.223	255,255,255,0	0.2364353649	Pv4 NDC		192.168.0.254	San Fire 15800	5an Feb 8 12:06:29 200
Setet	152,158,0,51	255,255,255,0	£3.bx2x7£b4	Pv4 NDC		192.168.0.254	San Pire 15800	3an Feb 8 12:06 29 2005
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ict#6	182,168,0.66	255,255,255,0	0.2 bx lf w/bb	Pv4		192.168.0.254	Sen Fire 15800	5an Feb 8 12:06:50 200
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stungerül	185.116.131.25	255,255,255,0	0.14.4120.06 wil	Pvi		185.116.96.2	5an Fire X4500	Sat Sep 24 04 20:42 200
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liestvile	118.26.82.175	255,255,255,0	9:1447.41x7.51	Put		114.26.62.1	SPARC Enterprise TS228	Sun Hay 24 13:33:47 208
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ithia .	134,26,82,175	255,255,255,0	0.1447.d3x7.fs	Pv4		134,26,82,1	SPANC Enterprise TS222	Sun May 24 13:35:47 200
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ung	11112198.80	235.255.255.0	0.3448/93676	Pvi		111.121.55.1	SPARC Exterprise TS228	Wed Mar 17 12 18 43 23
1131	18.100.128.178	255,255.0.0	0.18/24/98 51 #1	Pvt		13.100.6.6	Sun Fire \$2200 M2	San Feb & 12:06:56:200
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51151	7.8.128.178	25,255.0.0	0.18/24/50/51 x0	P14		13,100.6.6	Sue Fire \$2200 M2	San Feb 8 12:08 56 200
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5 bergana	20.51.15.45	255.255.255.0	0.6.56.e0.88.56	Pv6		10.51.05.1	SPARC Enterprise Mil000	Thu Jue 26 12:28 29 231
Charles I.								Thursday 12, 15, 54, 55, 551

• **q-Status[™]** list and sort the gateways in a network summary report or simply perform a default router search for all server. Then the system administrators need only log into those servers.

q-Status[™] Alerts

q-Status[™] provides email alerts for network and hardware configuration changes plus disk filesystem threshold alerts. For disk alerts, filesystem thresholds are adjustable though a simple Web 2.0 GUI. This eliminates the need to edit parameter and/or specification files.

How Does It Work?

q-Status™ uses standard OS commands through shell scripts or bat files. Encrypted configuration data is transferred via Java secure copy to the **q-Status™** Web servers. There is no need to opening sockets or ports to punch security holes in your server to collect configuration data with **q**-**Status**™.

Bonus: Using Java secure copy eliminates the need to even install ssh specifically for Windows servers.

The **q-Status**[™] GUI is intuitive to use requiring no more understanding than using a smart phone. The user GUI even looks like the Icon GUI for an iPhone which **q-Status**[™] pre-dates. **q-Status**[™] reports support Web 2.0 dynamically display through any web browser on multiple platforms including tablet computers.

Little or no time is required to configure **q-Status™** which eliminates the need for a trained specialist like other monitoring tool. The most complicated part to set up **q-Status™** is setting us a web server³.

Interested? Want to see an iteractive demo? Contact us today and find out how to make your IT Life easier tomorrow.

¹ Performance monitoring tools perform a valuable service in identifying the status of processes on specific servers. They should always be part of any data center. But these tools only look at the individual servers. **q-Status™** looks at the whole data center to provide comparisons, history and cross referencing. Significant time savings can be obtained with better design and implementation being the outcome.

² **q-Status™** provides a current and up-to-date server informatin plus maintaining configuration history. This



fullfils ISO 9004 standards and Sarbanes–Oxley audit requirements.

For all inquiries about q-Status and q-Status implementatii training, and pricing information, please contact: LogiQwest, Inc. Information Solutions 16458 Bolsa Chica Street , #15 Huntington Beach, CA 92649 Phone 714.377.3705 Facsimile 714.840.3937 http://www.logiqwest.com E-mail sales@logiqwest.com

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