

# q-Status<sup>™</sup> 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**<sup>™</sup> 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**<sup>™</sup> automatically identifies configuration issues and even compares previous history.

Our Philosophy: q-Status<sup>™</sup> uses Configuration to monitor the data center, not performance monitoring<sup>1</sup>. q-Status<sup>™</sup> 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<sup>™</sup>, 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<sup>™</sup>, 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<sup>™</sup>, a day or more is required to do an inventory each server and list each filesystem and usage.

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0	<1d4	solaris	Sun Fire 15000	31.768	29.068	1.168	3% 17 Mar 2010 13:18		
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9	c1d6	solaris	Sun Fire 15000	31.768	29.368	782.3M8	2% 17 Mar 2010 13:18		
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9	c6500-3	Brook.	Pentium III 0	67.868	16.6G8	47.8G8	70% 7 Oct 2011 13:43		
0	CAMEROON	windows	PowerEdge 6400/700	229.868	195.8G8	34.068	15% 6 Mar 2009 19:25		
ō.	CARME	windows	PowerEdge 6650	33.968	28.768	5.108	15% 6 Mar 2009 19:25		
3	catsville	hpux	HP9000 Model 800 Class L1500-8x	1.9TB	375.4G8	1.ST8	80% 15 Apr 2009 14:48		
9	cayman	hpax	Itanium ia64 hp server 8L860c	435.508	251.4G8	184.168	42% 21 Sep 2011 22:16		
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 q-Status<sup>™</sup> maintains a continuous inventory which is always up-to-date. Simply generate a storage summary for all servers as a single report. q-Status<sup>™</sup> 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<sup>™</sup>, 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**<sup>™</sup>, it simply take less than minute to generate a **q**-

**Status**<sup> $\mathbf{M}$ </sup> software update summary with detail information hyperlinks.

Updated 10 October 2011	© 2011 LogiQuest, Inc. All rights reserv							
a-status"	() Linu							
	Search H							
Return Pending Sof	Pending Software Updates for dev2							
	Revision (148 pending)							
	2.6.18-194.8.1.el5							
apr.1386	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.1386	1:1.3.7-26.el5_6.1							
cups.1386	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.1386	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							
Alma 1286	2-							

Similarly, for Solaris servers, **q**- **Status**<sup>™</sup> 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<sup>™</sup>, 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.

		Install		KC082	IBM AIX
145 (of 45 pkgs) Package					See Hel
1.45 (of 45 pkgs) Package			ed Pac		
Package				:kages	Revision Conflicts Only
Package			louisville	roadrunner	
db2 08 01.adt.rte	5.3.0.0	5.3.0.0	5.2.0.0	5.3.0.0	Package Description
	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Base Application Development Tools
db2_08_01.adt.samples	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	ADT Sample Programs
db2_08_01.ca	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	Configuration Assistant
db2_08_01.cc	8.1.1.96	8.1.1.96	8.1.1.89	8.1.1.104	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 UD8 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	D82 Data Source Support
db2_05_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.djx	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.srv	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 UD8 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.gcin	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.

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Paperton-aml	San Fire 4800	uniaris	San06 5.32	217.0	4 753MHz	614488		3 8 Feb 2009 33 06 52
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(hyperion-dal)	San Fire 4800	aslaris	San05 1.32	2070	4 758Mu	614488		3 8 Feb 2008 12 06 52
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 q-Status<sup>™</sup> 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 reports<sup>2</sup>.

**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<sup>™</sup>, 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.



• **q-Status<sup>™</sup>** 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<sup>™</sup> Alerts

**q-Status**<sup>™</sup> 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**<sup>™</sup>.

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

The **q-Status**<sup>™</sup> 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**<sup>™</sup> pre-dates. **q-Status**<sup>™</sup> 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 server<sup>3</sup>.

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

<sup>1</sup> 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.

<sup>2</sup> **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 g-Status and g-Status implementation, 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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