



q-Status™ Saves the Data Center, Money

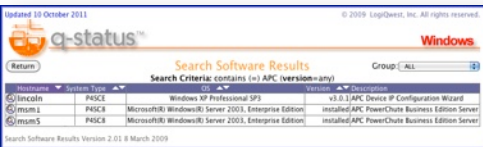
The Problem: An inordinate amount of time is spent by system administrator, IT project manager and data center professionals evaluating server operations. As an up-to-date configuration server monitoring application, **q-Status™** quickly locates software, identifies hardware, validates network configuration, 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, HP-UX 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.

Name	OS	Hardware	Software	Risk
ANAKE	windows	PowerEdge 6300/450	33.9GB 20.5GB 13.3GB	39%
andruvita	aix	IBM 7226-4H0	23.2GB 13.0GB 10.1GB	44%
ANGELA	windows	PowerEdge 6450	33.9GB 28.7GB 5.1GB	15%
ardmore	hpux	HP9000 Model 800 Class N4000-65	421.3GB 398.8GB 22.4GB	3%
atlanta	aix	IBM 9117-570	181.6GB 168.8GB 12.8GB	7%
augusta	aix	IBM 7226-4H0	23.2GB 13.0GB 10.1GB	44%
BARRACUDA	windows	REDVA	479.1GB 403.8GB 75.3GB	16%
bermuda	hpux	SPARC Enterprise M9000	189.0GB 46.0GB 143.1GB	85%
BETA	windows	Satellite M15X	74.5GB 28.0GB 46.5GB	62%
Bethel	hpux	Itanium 464 hp workstation pz6000	28.37GB 9.97GB 22.47GB	79%
brimingham	aix	IBM 9117-570	181.6GB 168.8GB 12.8GB	7%
Mode 1500	totalis	Sun Blade 1500	218.5GB 205.1GB 13.3GB	6%
BOUYANNA	windows	PowerEdge 6000C	34.2GB 30.7GB 3.5GB	10%
c161	totalis	Sun Fire 15000	2.17GB 508.8GB 1.67GB	76%
c163	totalis	Sun Fire 15000	31.7GB 28.1GB 2.6GB	6%
c165	totalis	Sun Fire 15000	31.7GB 29.0GB 1.7GB	3%
c166	totalis	Sun Fire 15000	31.7GB 29.3GB 2.4GB	2%
c167	totalis	Sun Fire 6800	262.6GB 240.1GB 22.5GB	3%
c162	totalis	Sun Fire 6800	262.6GB 235.1GB 7.5GB	4%
c163	totalis	Sun Fire 6800	433.9GB 389.4GB 44.5GB	9%
c164	totalis	Sun Fire 6800	433.9GB 389.4GB 44.5GB	9%
c165	totalis	Partition W 0	82.8GB 16.6GB 67.8GB	20%
CAMERON	windows	PowerEdge 6400/700	229.8GB 195.8GB 34.0GB	15%
CARIE	windows	PowerEdge 6450	33.9GB 28.7GB 5.1GB	15%
catville	hpux	HP9000 Model 800 Class L1500-Bx	1.97GB 375.4GB 1.57GB	80%
captain	hpux	Itanium 464 hp server BL860c	435.5GB 251.4GB 184.1GB	42%

- 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™ software update summary with detail information hyperlinks.

Package	Version	Update
apr-1.3.6	2.0.16-194.8.1.aix.5	1.2.7-11.aix.5.5
autoconf-1.3.6	1.5.0.1-0.rc2.143.aix.6.2	0.6.16-10.aix.6
araha-compat-libdns_sd-1.3.86	0.6.16-10.aix.6	0.6.16-10.aix.6
araha-glib-1.3.86	0.6.16-10.aix.6	0.6.16-10.aix.6
araha-qt-1.3.86	0.6.16-10.aix.6	0.6.16-10.aix.6
araha-1.3.86	0.6.16-10.aix.6	0.6.16-10.aix.6
compat-dag-1.3.86	2.0.25-2.aix.6.1	2.0.25-2.aix.6.1
compat-openldap-1.3.86	2.3.43.2.2.29-12.aix.6.7	5.97-23.aix.6.4
coreutils-1.3.86	5.97-23.aix.6.4	1.1.3.7-26.aix.6.1
cpus-libs-1.3.86	1.1.3.7-26.aix.6.1	7.1.15.5-9.aix.6.3
cpus-1.3.86	7.1.15.5-9.aix.6.3	2.0.25-2.aix.6.1
curl-1.3.86	7.1.15.5-9.aix.6.3	2.0.25-2.aix.6.1
dag-libs-1.3.86	2.0.25-2.aix.6.1	1.1.2-15.aix.6
dbus-devel-1.3.86	1.1.2-15.aix.6	1.1.2-15.aix.6
dbus-1.3.86	1.1.2-15.aix.6	1.1.2-15.aix.6
device-mapper-multipath-1.3.86	0.4.7-42.aix.6.3	12.3.0.5-23.aix.6.4
filesystem-1.3.86	2.4.0-5.aix.centos	3.4.18-1.aix.centos
flex-1.3.86	7.0.1-32.aix.6.2	1.8.0-26.2.1.aix.6.1
gdbm-devel-1.3.86	1.8.0-26.2.1.aix.6.1	4.1.3-7.1.3.aix.5
glib-1.3.86	4.1.3-7.1.3.aix.5	2.2.133-2.0.7.aix.6.2
gimp-libs-1.3.86	2.2.133-2.0.7.aix.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.



- 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?

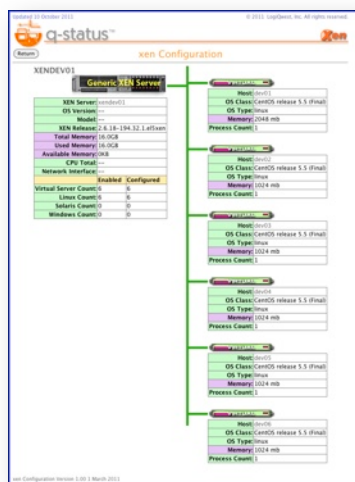
A new IT project needs to get a list of what virtual servers are running on which hardware to prioritize hardware upgrades. This company uses five virtualization technologies including: Xen, VMware, KVM, Solaris Zones and LDOMS.

- 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.



- **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 find.



- **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 through 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 up a web server³.

Interested? Want to see an interactive 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 information plus maintaining configuration history. This



fulfills ISO 9004 standards and Sarbanes–Oxley audit requirements.

For all inquiries about q-Status and q-Status implementation, training, and pricing information, please contact:
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