



Version 1.6.6

Release Notes

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***enterprise-Q* Installation Requirements**

enterprise-Q v1.6.6 compliant software:

1. *Tivoli Framework 3.2 or higher.*
 - The system should be setup as a TMR Server or Managed Node. The latest version of Tivoli Framework to complete eQ validation testing in a lab environment is v4.1.1.
2. *Netscape 4.x web browser, Mozilla 1.x or Microsoft Internet Explorer 4.x or greater enabled to support JavaScript.*
 - The latest tested version of Microsoft Internet Explorer is 6.0.28. The latest tested version of Netscape Navigator is 6.2. The latest tested version of Mozilla browser is 1.6. Displaying dynamic pull-down menus is not supported under Netscape Navigator and Mozilla browsers.

The following items are optional:

1. *Apache web server v1.3.6 or greater*
 - *enterprise-Q* comes with Apache Web Server which may be installed and configured during *enterprise-Q* installation. If necessary the *enterprise-Q* may work with pre-installed Apache web server. Currently the latest tested version of Apache web server is v1.3.26, and the latest tested version of Apache2 web server is v2.0.43.
2. *MySQL 3.23.xx for Win32, or Oracle Server 7.x or higher, or Oracle Client (SQL*Net) capable of connecting to Oracle Server on another host, or DB2 Client/Server 7.2.*
 - The latest tested version of MySQL is 3.23.33.
 - The latest tested version of Oracle is 9.xx (both 32- and 64-bit versions).
 - The latest tested version of DB2 is 7.2.

The above-mentioned software, listing as supported or unsupported, is current as of May 2005. Please, visit www.enterprise-Q.com for the most recent information on supported software.

For detailed installation instructions please refer to the ***enterprise-Q* v1.6.6 User's Guide**.

***enterprise-Q* V1.6.6 New Features**

The following new features were added to *enterprise-Q* 1.6.6 since the release of *enterprise-Q* 1.6.5.

New Applications

EQPlan

This new feature provides a means to distribute any enterprise-Q transaction based on user-specified criteria. For instance, you may want a plan that queues and distributes an Inventory profile if the Endpoint's LAST_SCANTIME is older than 7 days or if never scanned. Or, you may want to distribute a SoftwarePackage if the Endpoint has never received it.

The enterprise-Q EPLLogin transaction has been modified to allow an EQPlan to be queued/executed whenever an Endpoint logs in. Together, this allows enterprise-Q customers to automate much of the distribution process, providing a very powerful capability.

SendData, RetrieveData, and DeleteData Transactions

These new transactions utilize the Tivoli Software Distribution **DataMovingRequest** facility, allowing an enterprise-Q user to send, retrieve, and delete selected files. The user specifies a label for the distribution. This label is used to track and report the distributions. Furthermore, the label, and associated distribution information, is saved for subsequent distributions. This provides enterprise-Q users with the ability to effectively create SoftwarePackages on the fly, removing the need to create SoftwarePackage objects using traditional means.

CheckLabel

This new user-defined transaction provides a means to automatically ensure Endpoint labels match the desired standard. This check can be automated whenever Endpoints login to the Tivoli Gateways, removing the need to constantly monitor this condition.

Basically, this transaction runs a task on the Endpoint to determine the COMPUTERNAME (Windows) or HOSTNAME (Unix). It then compares the COMPUTERNAME/HOSTNAME to the specified **template**. If the two do not

match, a 'wep <ep> set label' command is executed, changing the Endpoint label to the desired label.

The **template** allows the user to include the variable '<computername>' for including the COMPUTERNAME/HOSTNAME in the Endpoint label. '<computername>' may be specified using one of the following formats:

- <computername> - Force to lowercase.
- <COMPUTERNAME> - Force to uppercase.
- <ComputerName> - Maintain case.

MoveEP2NewTMR

This new user-defined transaction provides a means to automatically move Endpoints between TMR Servers. This transaction executes a series of 'wadminep' commands to accomplish this:

```
wadminep <ep> view_run_dir  
wadminep <ep> remove_file <run_dir>/lcf.dat  
wadminep <ep> reexec_lcf -g <Gateway List>
```

The '<Gateway List>' is a list of Gateways on the new TMR Server, and is configurable from the enterprise-Q GUI. The MoveEP2NewTMR transaction randomly sorts the list to provide a means to load-balance Endpoint-Gateway assignments in the new TMR environment. If so desired, Select Gateway Policy can be used in the new TMR to reassign Gateways after the Endpoint logs in.

After the Endpoint has been successfully moved to the new TMR, it is deleted from the current TMR Server.

Enhancements

enterprise-Q Installation/Upgrade

- Two additional Tivoli Tasks are added to the EQTaskLib named EQGetCompNameWin and EQGetCompNameUnix. These tasks return COMPUTERNAME and HOSTNAME, respectively, and are invoked by CheckLabel transaction.
- The Tivoli Inventory version is checked during enterprise-Q 1.6.6 installation/upgrade to determine the correct version of '`<eq>/cfg/parser/HWareQueryXX.cfg`' to use.
- The Tivoli Remote Control version is checked during enterprise-Q 1.6.6 installation/upgrade to determine the correct version of '`<eq>/cfg/xaction/rc_runXX.label`' to use.

Troubleshooting Node

- A flag was added to the EQ GUI configuration page allowing you to skip DNS resolution of Endpoints when troubleshooting node(s). To improve performance of the 'Troubleshoot Node' capability, this flag should be enabled in environments where the Endpoint label cannot be resolved through DNS.

Remote Control

- Controller name can now be optionally specified on the first **RemoteControl** page. If the controller is specified on that page then the second **RemoteControl** page won't prompt user for the controller name, and the controller name will be saved for each enterprise-Q user for subsequent Remote Control attempts, eliminating the need to enter this information again.
- The Remote Control Settings (Grace Period, Proceed If Timeout, etc.) are also saved for each enterprise-Q user so that this information becomes the default on subsequent Remote Control attempts.
- The Remote Control Settings prompts are now configurable via '`<eq>/cfg/xaction/rc_run.label`' to support different options required for Tivoli Remote Control 3.8.1.

Endpoint Hardware Inventory

- The Endpoint drop-down menu included 'Hardware Inventory' which was not compatible with Tivoli Inventory 4.2. enterprise-Q now includes configuration files (`<eq>/cfg/parser/HWareQueryXX.cfg`) for Inventory 4.2 and prior releases of Tivoli Inventory. The proper one is loaded during the enterprise-Q 1.6.6 installation/upgrade process.

Web Interface Integration

- The enterprise-Q GUI has been enhanced to allow URLs to be specified in '`<eq>/cfg/screens.cfg`', allowing enterprise-Q customers with the ability to easily utilize the enterprise-Q authentication and authorization capabilities to add their own web-based applications to the enterprise-Q GUI. For example, the following line in '`screens.cfg`' would present an icon (`myapp.gif`) on the enterprise-Q front-page under a group called "Company Group" with "My App" under the icon:

```
MY_APP "My App" "Company Group" /icons/myapp.gif \  
http://www.myapp.com NO "Status Line Message"
```

When an enterprise-Q user clicks on the icon, he would be directed to '`http://www.myapp.com`'.

Furthermore, using the enterprise-Q Manage Users capability, you can grant or deny access to "My App" like any other page in enterprise-Q.

enterprise-Q V1.6.6 Bug Fixes from v1.6.5

Complete bug descriptions are available for registered users from our web site at the following URL:

<http://www.capitalsoftware.com/cgi-bin/support/CSListBugs.pl>

For a list of bugs fixed in enterprise-Q v1.6.5 please see enterprise-Q 1.6.5 Release Notes.

Bug Id	Status	Description
310	Resolved fixed	Queue Status page may display incorrect transaction name
311	Resolved fixed	Troubleshooting node doesn't work on the Node Status page.
312	Resolved fixed	"Internal error: buffer is too small" error on the Queue Status page
313	Resolved fixed	Multiple "Dispatched by ..." messages in the reason field
315	Resolved fixed	SoftwarePackage Manager not setting logfile permissions correctly
316	Resolved fixed	Inventory Erroneous Reason: "Target in enterprise-Q, but not in logfile.."

Awareness Notes for *enterprise-Q* v1.6.6

- Bug #21: During processing of custom profile/profile manager names and EQ scripts the Enterprise-Q may substitute endpoint's label instead of endpoint's hostname if the EQ cannot resolve endpoint's IP address to a hostname using DNS. Currently there is no workaround for this bug.
- Bug #31: When Enterprise-Q is installed together with the MySQL database, the installation script assumes some default settings for MySQL (no password for root account, and "equser" name and no password for EQ database account), which may not be correct for customer's MySQL configuration. The easiest way around this problem is to:
 - Temporarily disable the password for MySQL root account if it's enabled,
 - Install Enterprise-Q and allow the Enterprise-Q to create all necessary tables in the MySQL database,
 - Enable the password for MySQL root account if you disabled it previously,
 - Change username and password for "equser" account in the MySQL database,
 - Update the MySQL username and password on the **Installation Parameters** page.
- Bug #61: *AutoPack* transaction cannot determine a condition when a target is not subscribed to a profile manager containing distributed AutoPack profile. In case if the distribution was initiated for multiple targets (i.e. more than target was passed to the AutoPack transaction) then the distribution will fail for all targets even if all targets but one are valid subscribers to the profile. Currently there is no workaround for this bug.
- Bug #101: The Enterprise-Q web interface identifies all Windows 2000 and Windows XP targets as Windows NT targets. The reason is that the real OS name of the target is not available locally (Tivoli uses the same interp type *w32-ix86* for all three operating systems), and the only way to determine target's real OS name is to contact the target. The EQ web interface currently does not do that because contacting the target may introduce a prolonged delay in getting the real OS name (and therefore a prolonged delay in displaying some EQ pages), or it may not return any data at all if the endpoint agent is not running. Currently there is no workaround for this bug.