



Enhancements & Fixes for Halcyon IBM i Product Suites Network Server Suite and specialist products

Covering releases: January to March 2014

IBM i: 2014.048

Authority Swapper GUI: 2014.045

MQ Manager GUI: 2014.050

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Foreword

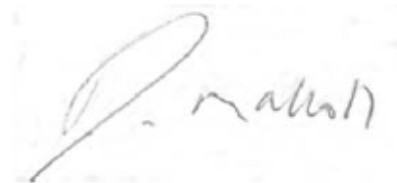
By Donnie MacColl, Technical Services Director

This update covers product enhancements and fixes between January and March 2014 for all Halcyon IBM i Software Suites, Network Server Suite and specialist products.

These update notifications are intended to provide customers with the technical release information of all the latest product enhancements and fixes of our software so you can decide if you need to, or wish to, upgrade from your current version of Halcyon Software to a newer version.

Information contained in these documents is aimed at technical analysts, administrators and operations staff responsible for the maintenance of our software on their own systems or their client's IBM i (iSeries) systems.

These release notes will also assist with change and version control by providing the information and reasons as to why an upgrade is required.



Donnie MacColl

About Donnie MacColl



Prior to becoming Director of Technical Services at Halcyon Software Ltd, Donnie MacColl has worked for more than 20 years in the IT industry. He first specialized in the management of IBM i systems, (iSeries, AS400), in general manufacturing and logistics companies. Later on in his career Donnie was Network Manager for one of the largest telecommunications corporation in Europe.

He is regular speaker at international IBM events, including IBM Common in Europe and the USA, as well as the Interaction Conference in Australia.

Donnie specialises in advising companies on how to keep a tight control on the management of operations, critical processes, and core services across increasingly complex infrastructures and multi-platform environments.

He has worked with many industry sectors in his time at Halcyon Software to help improve cost efficiencies by implementing solutions in large European and US data centers in companies such as Computacenter, Parker Hannifin, Cap Gemini, Getronics, Logica, BGL Group (Budget Insurance), Arcadia and SunGard Public Sector.

Halcyon IBM i Product Suites

The following product suites are covered within this document:

Level 1 Message Management Suite



Our entry level suite for the IBM i. Closely monitor all your system messages, key applications and critical business processes.

Featuring:

- Message Monitoring
- FTP Monitoring
- TCP/IP Monitoring
- Job Log Monitoring
- Output Queue Monitoring
- Device Monitoring
- Job Queue Monitoring
- SLA Reporting

Level 2 Systems Operations Suite



Monitor your IBM i system messages and automate the control of significant events.

All the features, of the Message Management Suite, plus:

- Object Monitoring
- Performance Monitoring
- Distribution Queue Monitoring
- User Profile Monitoring
- Inactivity Monitoring
- Audit Journal Monitoring
- Restricted Tasks Management

Level 3 Advanced Automation Suite



This level enables you to optimize performance, disk space and spool file management on your IBM i.

All the features of the Systems Operations Suite, plus:

- Performance Management
- Performance Snapshots GUI
- Disk Space Management
- Disk Space Explorer GUI
- Spooled File Management

Level 4 Operations Center Suite



Raise your operational control to the ultimate level. Contains all the functionality of the previous levels 1 to 3, plus the most advanced job scheduler available today.

Our flagship software suite contains all the features of the previous three suites, with the addition of:

- Advanced Job Scheduling

Network Server Suite



Halcyon's Network Server Suite has been designed to provide a comprehensive monitoring solution to keep a close eye on all your critical servers, applications and devices across a multi-platform environment including Windows®, AIX® and Linux®.

Advanced Reporting Suite



Halcyon's Advanced Reporting Suite eliminates the time-consuming, manual processes that are traditionally required to generate performance reports that prove adherence to Service Level Agreements (SLAs) and flag any issues so that they can be quickly resolved.

Authority Swapper



Authority Swapper allows a user to temporarily swap to a different profile that typically has additional authorities so that they can complete a specific task. Record screens used during a swapped session for auditing purposes.

Task Supervisor



Task Supervisor is a unique, simple and cost-effective solution that enables organizations to list, organize and view all essential tasks in one, centralized location, minimizing the risk of business disruption and human error.

MQ Manager



Halcyon MQ Manager proactively monitors the performance and availability of the IBM WebSphere MQ application server. It raises alerts whenever a threshold is breached, detect “bottle necks” and identify any issues which could potentially prevent data from reaching its required destination.

Snapshot/TSC



Snapshot TSC is an award winning performance and capability planning utility. The software monitors and notifies you of performance problems or application issues that could adversely affect the performance of your IBM i server.

How to use this document:

This publication is split into two chapters:

- Product Enhancements
- Product Fixes

Each of these chapters is then split in the following order:

- **Common Library**

These are enhancements and fixes that affect all products suites from Level 1 (Message Management Suite) through to Level 4 (Operations Center Suite).

- **Specialist Products** (listed alphabetically)

These are enhancements and fixes that affect individual products which are contained as modules in one or more of Halcyon's Product Suites.

For example, an enhancement to Audit Journal Manager is only applicable to Level 2 (Systems Operations Suite), Level 3 (Advanced Automation Suite) and Level 4 (Operations Center Suite).

- **Individual Change Reference**

Each enhancement and fix is prefixed with a CHGxxxx reference, where xxxx represents a combination of numbers and letters. Within both the Common Library and Specialist Product sections, each enhancement or fix is then listed in numerical and then alphanumeric Change Reference order.

Finding information in this PDF

From within Adobe® Acrobat® Reader®, use either the Search window (accessible from menu options: Edit | Search) or the Find toolbar (shown far right in the image below) to search document content.



Type the text that you wish to use for the basis of the search and press Enter.

We recommend using the CHG reference ID number (for example; CHG03RS), if known, within the Search or Find parameters as this text is unique within the document.

Need to confirm which Halcyon Products you have installed?

If you are unsure which Halcyon products you have installed on your system, type the following command onto the command line within your Halcyon environment:

```
DSPPRDINF
```

Alternatively, from within the Halcyon product menu, select option 70=Technical Information Menu followed by option 1=Display Product Information.

If you are still unsure, please contact: technicalservices@halcyonsoftware.com

Enhancements and Fixes



IBM i Product Suite Enhancements

The following enhancements have been made to Halcyon IBM i Product Suites between January and March 2014, covering IBM i release: 2014.048, Authority Swapper GUI: 2014.045 and MQ Manager GUI: 2014.050.

Common Library - Custom Environments

Reference: CHG06GO **JDE World customization template rules now available**

JDE World customizations template rules are now available.

Common Library – Menu Options

Reference: CHG0619 **New system default controls use of F9 key for commands used by Halcyon menus**

Halcyon now provides the ability via a new system default, HAL/RTVMENUOPT, to control whether the F9 function key retrieves Halcyon commands used by Halcyon menu options:

***NO** Default setting. Do NOT retrieve the commands used by Halcyon menu options when F9 is used.

***YES** Retrieve the commands used by Halcyon menu options when F9 is used.

Common Library – Object Rules

Reference: CHG06IP ***RDCNT rules now allow the use of Substitution Variables in SQL**

Object *RDCNT Rules now support the use of Substitution Variables as part of the SQL statement.

Common Library – Performance Rules

Reference: CHG06GY **Allow numerics in Function Name where Function Type is DLY**

Performance *JOB Rules now allow you to specify a numeric value for 'Function name' if you specify a 'Function type' of DLY (Delay).

Common Library - Reporting

Reference: CHG06JP System Status Summary report now available

A new 'System Summary Status Report' (PRTSYSSTS) is now available.

When run, this report lists:

- System Available
- System ASP information;
 - o Size
 - o Used %
 - o Changed % since last report run
- Last IPL Date/Time
- Current status of defined Remote Locations within Halcyon
- List of IBM Problem Log entries (i.e. WRKPRB)
- List of open Halcyon Alerts
- List of IBM Schedule entries

You can also manually define, on the command, additional machines to be checked via a PING and included on the report as to whether they are available.

Advanced Job Scheduler

Reference: CHG066Z Job History now indicates when the run time exceeds 24 hours

Work with Groups (WRKGRP) for Group History and Job History will now show plus signs in the 'End time' column if the 'Run Duration' is longer than 24hrs.

As an example:

-----	Actual	-----	Run	End
Day Date	Time	End time	Duration	Sts
Thu 13/02/14	15:41:52	- ++:++:++	25:00:06	COMP

Reference: CHG06L2 Minimum run time parameter added to Statistics page

Advanced Job Scheduler now includes a 'Minimum run time' parameter on the Statistics page (page 9) that can be specified in hours and minutes (hh:mm). When the Job completes running, the total time it has taken to run is compared to the value entered in this parameter and if the run time is less than the minimum specified, the Job fails.

Please Note:

The time is actual time not CPU related time. Therefore, if your system is running particularly slow the Job could run for longer than the minimum specified and therefore not error when in fact it has not done what is expected.

Authority Swapper



Reference: CHG05TK GUI Support added for Internet Explorer 10 and 11

The Authority Swapper GUI now supports Internet Explorer 10 and 11.

Reference: CHG0637 User authorities enhanced to enable better control of permissions

Authority Swapper User Authorities have been enhanced to enable better control of what users can do. This has been achieved by replacing the single HEM AUTHSWAP user authority with an authority per function and, where appropriate, allowing *ITEM level authority to be given to specific items.

The new User Authorities within HEM are as follows:

ASWCMDL	Authority Swapper Command Lists
ASWGUI	Authority Swapper GUI
ASWPMT	Authority Swapper Permits
ASWPRF	Authority Swapper Swap Profiles
ASWSSN	Authority Swapper Sessions
ASWUSER	Authority Swapper User
ASWUSRL	Authority Swapper User Lists

ASWCMDL - Authority Swapper Command Lists

- This controls access to use and/or maintain Command Lists.
- This supports *ITEM level authority to allow authorization to specific Command Lists.

ASWGUI - Authority Swapper GUI

- This controls access to the Authority Swapper GUI.
- This is a simple Yes/No type authority.

ASWPMT - Authority Swapper Permits

- This controls access to see and/or maintain ASW Permits.
- This supports *ITEM level authority to allow authorization to specific Permits based on Job User, *FTP and/or *ODBC.
- Permits can only be seen/maintained for Swap Profiles the user is also authorized to under the ASWPRF (Swap Profiles) authority.

ASWPRF - Authority Swapper Swap Profiles

- This controls access to see and/or maintain ASW Profiles.
- This supports *ITEM level authority to allow authorization to specific Profiles including *SWAP, *FTP and *ODBC Profiles.
- This authority affects ASW Permits - please see section above.

ASWSSN - Authority Swapper Sessions

- This controls access to ASW Sessions to see and/or change Sessions.
- This controls the ability to initiate a Swap Session - the user requires A (Add) Permission to initiate remote Swap Sessions.
- The ability to initiate Swap Sessions is limited to the Swap Profiles authorized to within the ASWPRF authority.

ASWUSER - Authority Swapper User

- This is the generic 'allowed to Swap' authority.
- This is a simple Yes/No type authority.

ASWUSRL - Authority Swapper User Lists

- This controls access to use and/or maintain User Lists.
- This supports *ITEM level authority to allow authorization to specific User Lists.
- This authority affects ASW Permits in that you can only specify User Lists you are authorized to.

Examples:

- ASWPRF (ASW Profiles) - *ITEM POWERUSER
- ASWSSN (ASW Sessions) - A (Add) - This user can initiate remote Swap Sessions to POWERUSER
- ASWPMT (ASW Permits) - *CHG - This user can maintain Permits for Job Users to Swap to POWERUSER

Please Note:

These authorities are also enforced within the Authority Swapper GUI.

Reference: CHG06CU GUI Support added for 'Job User Lists' within the Authority Swapper GUI

The Authority Swapper GUI now supports the use of 'User Lists' against a Swap Permit.

Reference: CHG06DC GUI Support added for FTP Profiles within the Authority Swapper GUI

The Authority Swapper GUI now supports Authority Swapper FTP Profiles.

Reference: CHG06E6 Ability to enable/disable user profiles for use in ODBC/JDBC now added

Authority Swapper now includes the ability to enable/disable specific user profiles for use for data connections via ODBC. Please note that this information also applies to JDBC data connections.

Reference: CHG06HZ GUI Support added for ODBC Profiles within the Authority Swapper GUI

The Authority Swapper GUI now supports the use of ODBC Profiles.

Document Management System

Reference: CHG06F9 A printer file can now be defined for Bundle/Segments on Recipient Lists

Work with Recipient Lists (WRKRCPL) now allows you to define an overriding printer file if you have requested the Recipient to receive a spooled file.

When a Bundle/Segment is run for a Recipient with an override printer file specified, the following attributes will be retrieved from the printer file and applied to the spooled file output for the Bundle/Segment:

- Page length
- Page width
- Measurement method
- Overflow line number
- Characters per inch
- Lines per inch
- Font

Please Note:

The actual printer file is not used, just the attributes listed above.

Message Manager

Reference: CHG06FQ BRMS Log can now be monitored

Message Manager can now monitor BRMS. This is achieved by defining a Message Queue Group of QUSRBRM/BRMS and placing Rules within in the normal manner.

Alerts, and therefore Actions, will not be performed while the Halcyon Message Monitor is not active which includes within a restricted state. Therefore, in order to correctly Alert for BRMS messages it is recommended you set the Group to 'Monitor startup option' *LAST so that when the Message Monitor becomes active it processes messages since the last time it was active.

Reference: CHG06N3 Support for 'millions' of messages added to Work with Messages Review

Work with Messages Review (WRKMSGRVW) has been enhanced to support 'millions' of messages.

MQ Manager

Reference: CHG05VO Version 5.0 of MQ Monitoring GUI now available

Version 5.0 of the MQ Manager GUI is now available.



Performance Analyzer

Reference: CHG062N System name added to CSV output for PRTPFM* Reports

The Print Performance Data reports within Performance Analyzer now include a column at the beginning of the data for the System which the data has come from when sent to a CSV file.

Record & Playback

Reference: CHG061B Severity of message before error occurs can now be specified

Record & Playback now allows you to specify the severity a message must be to fail running of a script. The USERERROR statement has been modified to allow this.

Previously, USERERROR behaved as follows:

USERERROR 0 - Switch feature off.
USERERROR 1 - Switch feature on.

Now, USERERROR behaves as follows:

USERERROR 0 - Switch feature off.
USERERROR 1 - Switch feature on for severity 1 and above.
USERERROR 10 - Switch feature on for severity 10 and above.
USERERROR 20 - Switch feature on for severity 20 and above.

If no USERERROR statement is present in the script then USERERROR 20 is assumed meaning a script will fail if a message of severity 20 or above is encountered.

Spooled File Manager

Reference: CHG0684 Support added for Arabic when converting to TXT format

Spooled File Manager now supports Arabic for converting spooled files to TXT format.

Network Server Suite Enhancements



No enhancements have been made to Halcyon Network Server Suite between January and March 2014.

Advanced Reporting Suite Enhancements

No enhancements have been made to Halcyon Advanced Reporting Suite between January and March 2014.



Product Suite Fixes



IBM i Product Fixes

The following fixes have been made to Halcyon IBM i Product Suites between January and March 2014, covering IBM i release: 2014.048, Authority Swapper GUI: 2014.045 and MQ Manager GUI: 2014.050.

Common Library – Performance Monitor

Reference: CHG06MI Monitor no longer fails on V7R1 with receiver value too small to hold result

The Performance Monitor would fail if you had V7R1 PTF SI50530 applied. This PTF changed an IBM API used by the Monitor.

This has been fixed.

Document Management System

Reference: CHG06L All Segment pages are now included on a Bundle

In certain situations Run Bundle (RUNBDL) was not including the last page of a Segment.

This has been fixed.

Spoiled File Manager

Reference: CHG064K LOGARCF imports log archives if archive or library has been renamed

Log Archive Files (LOGARCF) would not import the spoiled file archives if the archive name or library had been changed.

This has been fixed.

Network Server Suite Fixes



No fixes have been made to Halcyon Network Server Suite between January and March 2014.

Advanced Reporting Suite Fixes



No fixes have been made to Halcyon Advanced Reporting Suite between January and March 2014.



*****REPORT ENDS*****