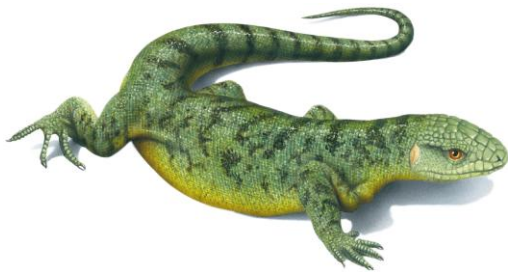


QSystems Management on IBM i 6.1 and IBM i 7.1 Support Document



CCSS
Monitoring your systems

Support Document

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Introduction

The QSystems Management suite of products enables you to proactively and efficiently manage your System i environments. The suite comprises the products QSystem Monitor, QMessage Monitor and QRemote Control.

QSystems Management products are capable of running under the most recent versions of the IBM midrange operating system, IBM i 6.1 and IBM i 7.1. This document provides instructions that will allow you to successfully employ QSystems Management products on those operating system releases.

Product Compatibility Information

All QSystems Management products are compatible with IBM i 6.1 and 7.1. In order to ensure this compatibility, the correct release levels of the products need to be deployed. Generally, CCSS recommends using the most current releases of the QSystems Management products, as they contain the most recent enhancements.

QSystems Management Products on IBM i 6.1 and i 7.1: Instructions

Overview

CCSS recommends the following procedures with regards to the operation of QSystems Management products on IBM i 6.1 and i 7.1. The precise instructions depend on two factors:

- Will an upgrade from an OS release previous to i 6.1/7.1 be performed or is i 6.1/7.1 already installed on that system?
- Have QSystems Management products already been installed in the environment or not?

Depending on those factors, the following actions need to be carried out:

1. If upgrading from a lower OS release: Obtain and install the IBM i PTFs which IBM recommends in preparation of the OS upgrade.
2. Obtain the latest QSystems Management product releases from the CCSS office or CCSS agent who is your support contact, or from the CCSS Web site.
3. Install the QSystems Management product releases. If the installed operating system version is older than V5R4, or your installed CCSS QSystem Monitor version is pre-Version 12, consult with support first.
4. If upgrading from a lower OS release: Perform OS upgrade.
5. Ensure OS and LIC PTFs required for the products are applied.
6. If upgrading from a lower OS release: Perform the Collection Services „Restart” procedure (QSystem Monitor only).

If you follow these instructions, you will be able to fully utilize your QSystems Management products on IBM i 6.1 and IBM i 7.1.

Scenario 1: Pre-i 6.1/7.1 OS and CCSS products installed

In this scenario, you start from an existing pre-6.1 release of the OS and from an existing installation of QSystems Management products. To successfully operate the products under IBM i 6.1/7.1, perform the following steps.

1. If the installed operating system version is older than V5R4, or your installed CCSS QSystem Monitor version is pre-Version 12, consult with your QSystems Management support contact first.
2. Obtain and install the PTFs which IBM recommends as preparation for upgrading your OS to i 6.1/7.1. These comprise PTFs for the Base Operating System and for the Licensed Internal Code. The information is available from IBM at the following addresses:
 - For IBM i 6.1: http://www-912.ibm.com/n_dir/nas4apar.nsf/3ba9e01a478de3f4862573db0067acee/6cf800ceaf8376c3862573e70041ec63?OpenDocument
 - For IBM i 7.1: http://www-912.ibm.com/n_dir/nas4apar.nsf/c79815e083182fec862564c00079d117/00630d41e1453ee6862575ab003c6e30?OpenDocument
3. Obtain the latest releases for your products from your CCSS office/agent, or from the CCSS Web site. Upgrade your installed products to those releases, following the instructions in the manual and in the Release Notes. Make sure all monitored physical systems and partitions are upgraded. *This step needs to be performed before the OS upgrade.*
4. If the following objects, which are no longer required, exist, delete them:
 - <QMessage Monitor product library>/MM4000B *PGM
 - <QSystem Monitor product library>/MON970B *PGM
5. Run the Analyze Object Conversion tool for IBM i 6.1/7.1. More information on this tool is available in IBM Redpaper “[IBM i Program Conversion: Getting Ready for 6.1 and Beyond](#)”. You may also want to read the article “[Tips for Working with the V6R1 Conversion Tool](#)” in the March 2008 online edition of IBM Systems Magazine.
6. Review the current PTF requirements for your CCSS products. The current PTF requirements are available from your support contact and from the password-protected section of the CCSS Web site.
7. Upgrade your OS to IBM i 6.1/7.1, following IBM instructions.
8. Ensure the required PTFs for your CCSS products and for the installed OS and LIC release are applied.
9. If QSystem Monitor is one of the deployed products:
 - Perform the „Collection Services ‘Reset’ procedure”. This procedure corrects problems that sometimes occur when trying to use Collection Services after an IBM i upgrade. Collection Services are a facility of the operating system

which is employed by QSystem Monitor, e.g. to gather Communications Performance information. The „Reset” procedure is detailed in IBM technical document reference number 86257272006F5139, which is available here:

http://www-912.ibm.com/s_dir/slkbase.NSF/4636aef020ecf0688625680b00020388/b6c178e41a6ceebe8625745c006bec7c?OpenDocument&ExpandSection=-1

Scenario 2: New i 6.1/7.1 system, CCSS products installed

This scenario supposes you already have CCSS products installed on a number of pre-i 6.1 systems, to which you want to add a new system or partition running IBM i 6.1/7.1.

1. If you are adding a new physical system, not just a new partition, and would like to run QSystems Management products on the new system, please contact your CCS office/agent for licensing options.
2. Obtain the latest releases for your products from your CCSS office/agent, or from the CCSS Web site.
3. Upgrade your installed products to those releases, following the instructions in the manual and in the Release Notes. Make sure all monitored physical systems and partitions are upgraded.
4. If the following objects, which are no longer required, exist, delete them:
 - <QMessage Monitor product library>/MM4000B *PGM
 - <QSystem Monitor product library>/MON970B *PGM
5. Review the current PTF requirements for your CCSS products. The current PTF requirements are available from your support contact and from the password-protected section of the CCSS Web site.
6. Ensure the required PTFs for your CCSS products and for the installed OS and LIC release are applied.

7. If QSystem Monitor is one of the deployed products, and the newly added system was previously running V5R4 or lower of the operating system: Perform the „Collection Services ‘Reset’ procedure” on the newly added system. This procedure corrects problems that sometimes occur when trying to use Collection Services after an IBM i upgrade. Collection Services are a facility of the operating system which is employed by QSystem Monitor, e.g. to gather Communications Performance information. The „Reset” procedure is detailed in IBM technical document reference number 86257272006F5139, which is available here:

http://www-912.ibm.com/s_dir/slkbase.NSF/4636aef020ecf0688625680b00020388/b6c178e41a6ceebe8625745c006bec7c?OpenDocument&ExpandSection=-1

8. Distribute the software from the existing host to the new system running under IBM i 6.1/7.1.
 - a. For both the MMDSTIP/MONSTIP commands, set the „Force Save” option to value “*YES”.
 - b. If you are adding a new physical system, you will need to have received either temporary passcodes or a permanent passcode for the new system from your CCSS office/agent. Please see the product manuals and Release Notes for details.
 - c. Please be aware that distribution of the product may take longer than on previous occasion when you distributed the product to a new system. The reason is that program objects are recreated from a pre-6.1 state to a 6.1/7.1 state on the target system, which take longer than the normal object restore process.

Scenario 3: New i 6.1/7.1 system, CCSS products not installed yet

In the last scenario you are performing a first-time installation on a system which is already running on IBM i 6.1/7.1. This scenario is handled in the same manner as the standard scenarios for installation on pre-i 6.1 OS releases.

1. Obtain the latest releases for your products from your CCSS office/agent.
2. Review the current PTF requirements for your CCSS products. The current PTF requirements are available from your support contact and from the password-protected section of the CCSS Web site.
3. Ensure the required PTFs for your CCSS products and for the installed OS and LIC release are applied.
4. Install the desired products, following the instructions in the manual and in the Release Notes.

Known Limitations

QMM: Security Audit Journal Monitoring—Type 5 entries

QMessage Monitor does not currently support the so-called “Type 5” format for journal entries. Because of this limitation, a number of entry types for the Security Audit Journal cannot be processed by the Security Audit Journal Monitoring functionality contained in QMessage Monitor. These types include the entry type “XD” (Directory Server Extensions), which was introduced in IBM i 6.1. Entries with that type will be ignored by the Security Audit Journal monitoring functionality in QMessage Monitor. CCSS plans to add support for Type 5 entries in Version 7 of QMessage Monitor.

Legal notices

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Additional Support Resources

Documentation

Review the product help text.

Review the PDF versions of the manuals on the CD.

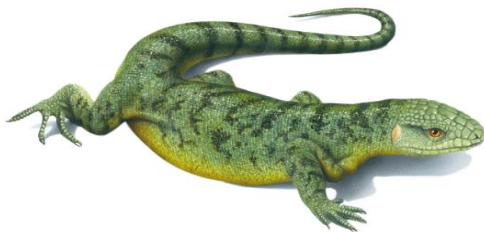
If you have any questions or you need to resolve any problems, please use the numbers below to talk directly with our support staff.

Support

United States and Canada: +1 (919) 256 8260

Germany, Switzerland and Austria: +49 (228) 9168 207

United Kingdom, Europe and Rest of the World: +44 (0) 1634 370444



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<http://www.ccssttd.com>