

INCONTROL for z/OS

Version: 8.0.00
November 7, 2012

BMC Software announces the release of version 8.0.00 of the INCONTROL family of products, listed under “[Products included in this version](#)” on page 10. These release notes provide information about the enhancements in this release. The information in this document supplements and supersedes information in the INCONTROL product manuals.

Up-to-date, essential installation and service information that becomes available after this product is released will be placed under solution KA351043 in the Knowledge Base on the Customer Support web site, located at <http://www.bmc.com/support>.

Before installation, and again before going into production, BMC recommends that you check the web site for any up-to-date information.

The following topics are discussed:

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What's new in Control-M



NOTE

For INCONTROL for z/OS version 8.0.00, either the CMEM (Control-M Event Manager) or the Control-O monitor must be active during the New Day procedure. (This requirement was not mandatory in preceding releases).

Efficient job tracking mechanism using ENF (CAR00042818)

Prior to the INCONTROL for z/OS version 8.0.00 release, Control-M used only JES STATUS requests, issued periodically, for tracking the submitted jobs.

This tracking method would sometimes only identify job status changes after a delay of a few seconds. In addition, this method consumed much of the Control-M monitor resources, particularly the CPU and I/O.

With the release of z/OS 1.12, IBM introduced new events under ENF (Event Notification Facility), capable of notifying job status changes (for example, job started, job ended, and NJE job returned).

In release INCONTROL for z/OS version 8.0.00, Control-M takes advantage of the new events under ENF. Control-M automatically detects whether these ENF events are supported at the z/OS level and if so, uses the events for tracking the submitted jobs. With this efficient tracking method, changes in job status are recognized immediately, shortening the job latency (the time delay from the end of a job to the start of the dependent jobs) and reducing the resource consumption by the Control-M monitor.

If Control-M detects that ENF events are not supported, Control-M tracks the submitted jobs using the traditional JES STATUS requests.

Support for JOBRC (CAR00044330)

Control-M for z/OS now supports the new JOBRC concept recently introduced into z/OS. Control-M uses JOBRC in the post processing analysis of the jobs and can determine whether a job ended **ok** or **not-ok** based on the JOBRC value.

A new **+JOBRC** keyword is introduced in the **ON PGMST** statements section in order to manage the job status reflected by the JOBRC.

Utilization of the zIIP processor with the REFRESH command (CAR00045462)

Control-M for z/OS now utilizes the **zIIP** processor when the **REFRESH** command is used to calculate deadline scheduling information, and to propagate job priorities.

What's new in IOA

IOA express upgrade (CAR00042543)

IOA express upgrade allows you to quickly upgrade from IOA releases 6.3.xx or 7.0.xx to INCONTROL for z/OS version 8.0.00. You can invoke IOA express upgrade from ICE. The upgrade consists of three stages:

1. In this stage, the new and old environments are compared and a report is issued showing all differences. The report can be used as a reference to ensure that all aspects of the migration from the old to the new environment were covered.
2. In this stage, the settings of the old IOA environment are applied to the new environment, including references to the active data bases.
3. In this stage, the new INCONTROL for z/OS version 8.0.00 IOA environment is made ready to replace the old environment.

SMP/E enabled IOA cloning and change deployment tool (CAR00044384)

The cloning tool allows you to create an SMP/E managed IOA environment from another IOA environment that was installed and customized in advance.

The new cloning toolkit replaces the Cloning process of the V6.3 and the Copy-IOA processes of V6.2.

What's new in Control-D

Improved performance for Control-D/WebAccess users opening reports with notifications (CAR00043472)

The Control-D note infrastructure was redesigned to improve Control-D/WA user performance and reduce the amount of resources required to handle Control-D/WA requests. The new infrastructure allows a greater number of notifications per report without increasing the size of the database space required.

To facilitate this improvement, a new utility, **CTDNREOR**, was introduced to convert Control-D note records to a new and more efficient format.

Use of the zIIP processor in the Control-D decollation monitor (CAR00042699)

By using the zIIP processor, CPU consumption can be reduced up to 45% depending on the type and complexity of the processes being run. Processes can include searching the Active mission file, searching conditions, and processing pages and indexes during decollation.

Additional Enhancements

Table 1 lists, by product, highlights and enhancements that are now available in INCONTROL for z/OS version 8.0.00.

Table 1 INCONTROL for z/OS enhancements (part 1 of 2)

Tracking #	Description
IOA/IOAGATE	
CAR00039465	Control-M monitor performance has been improved by implementing cache in the CTMSE02 security module.
CAR00044302	You can now use passticket when logging in to the online monitor or to the IOAAS application server.

Table 1 INCONTROL for z/OS enhancements (part 2 of 2)

Tracking #	Description
Control-M	
CAR00041466	New capabilities for mainframe jobs were added to the Control-M/EM Rerun command for Control-M/EM systems on which Control-M/Restart is installed. The user can now perform from/to selections from the drop-down list instead of typing the required value. The existing options (RECAPTURE ABEND OPTION , RECAPTURE COND CODE , and STEP ADJUSTMENT) are now populated with the y/n values that are in effect for the job.
CAR00042553	A new option, FCnnnn , has been added to ON PGMST . The new option allows post processing actions for jobs and SMART Tables that failed (any type of ending NOTOK) 'nnn' times consecutively.
CAR00043751	Support for numeric operators in variable processing This enhancement adds support for the EQ#, LT#, GT#, GE#, LE# and NE#, operators that perform numeric comparison when variables are processed. The operators are similar to the already supported EQ, LT and GT operators which performs characteristic comparison when variables are processed.
CAR00044619	You can now order a table by appending a unique id to all internal conditions (all jobs that add it, and all jobs that wait for it, belong to the ordered table) to allow the table to be ordered multiple times on a single day without danger of the flow interfering with previously ordered instanced. This new capability is activated by a parameter in the order command or using CTMJOB / CTMAPI invocations.
CAR00044699	Synchronization of tables and calendars with Control-M/EM is now performed automatically during check-in from the planning tab, or when changed in any way on the mainframe.
CAR00045588	The number of jobs run is displayed in job ended messages: SEL208I and SEL219I (indicated by: RUN-NO=#####).
CAR00045667	When defining a new MF table or modifying an existing one, the field, Scheduling Library Name , now contains a list of available values that includes the content of the mainframe server IOA.PARM member SYNCLIBS , as well as libraries that were used in other jobs. Using the SYNCLIB list ensures that the list will never be empty, even when defining the first job.
CAR00045724	When using the J command from the command line on a 3270 screen 2/3, or when using ViewJCL through Control-M/EM, you now have access to both the in-line JCL as well as the JCL from the mainframe library (MEMLIB/MEMNAME).
Control-D and Control-V	
CAR00039983	The JOB archiving screen has been expanded to allow direct access to required JOBS in the archive without searching the consolidated reports.

Product distribution

The following procedures describe how to obtain the installation files for INCONTROL for z/OS version 8.0.00 through EPD or the BMC Software sales representative:

- “Obtaining installation files using EPD” on page 6
- “Obtaining installation files through the BMC Software sales representative” on page 6
- “Obtaining optional files” on page 7

Obtaining installation files using EPD

This procedure describes how to obtain the INCONTROL for z/OS version 8.0.00 installation files using EPD.

To obtain installation files using EPD

- 1 Click <https://webapps.bmc.com/epd/> and follow the instructions on the EPD site until you reach the **Download Licensed BMC Products** page.
- 2 Follow the provided instructions.

Obtaining installation files through the BMC Software sales representative

This procedure describes how to obtain the INCONTROL for z/OS version 8.0.00 installation files through a sales representative.

To obtain installation files through a sales representative

- 1 Contact a BMC Software sales representative. If necessary, use the list available at <http://www.bmc.com/corporate/contacts-locations/worldwide>
- 2 Request a product CD or 3490 cartridge.

Obtaining optional files

- Request National Language Support on CD, tape, or download it from the BMC Software EPD site.
- Request the Control-M Conversion tool on CD or download it from the BMC Software EPD site.

Installation

Perform the following steps:

- 1 Install INCONTROL for z/OS from one of the media shown in the table below. Load ICE from the Electronic Product Distribution (EPD) site, CD, or tape, using the following space requirements:
 - for the uploaded image file – approximately 125 cylinders of a DASD volume
 - for the *basepref.XMITLIB* library – *ppp,ss,dd* = 340,31,45 cylinders

Media		
3490-tape_volser	EPD	CD
8000B0	INCONTROL for z/OS version 8.0.00 installation	8000B7

Complete the installation using the Express installation process in ICE.

Full installation instructions are provided in the sections about the Installation and Customization Engine (ICE) and the Express installation in the *INCONTROL for z/OS Installation Guide: Installing*.

- 2 If necessary, install the optional INCONTROL National Language Support component from one of the media shown in the table below.

National language support is available for version 8.0.00 of the INCONTROL products listed under “[Products included in this version](#)” on page 10.

Load the National Language Support from the Electronic Product Distribution (EPD) site, CD, or tape, using the following space requirements:

- for the uploaded image file – approximately 20 cylinders of a DASD volume.
- for the *basepref.NLSSUPP* file – *ppp,ss,dd* = 120,12,45 cylinders.

Media		
3490-tape_volser	EPD	CD
8000N0	INCONTROL for z/OS version 8.0.00 National Language Support	8000N7

For available options of using national or multi-national language support in the IOA online environment, see solution KA355384 in the Knowledge Base, accessible from the Customer Support website at <http://www.bmc.com/support>.

Installation instructions are provided in the *INCONTROL for z/OS Installation Guide: Installing*.

- 3 After you finish the installation, review the following post-installation Screen Display considerations:

These products are shipped with the default version of IOAX037 (IOA user Exit 37), which is used to translate specific hexadecimal values. The default version of this exit translates certain hexadecimal values to X'40' (blanks). This could result in incorrect display of some screen characters under certain circumstances, in which case this exit may require local tailoring. For further information on modifying this exit, refer to the description of Exit IOAX037 in the Exits chapter of the *INCONTROL for z/OS Administrator Guide*.

- 4 If necessary, install the optional Control-M Conversion tool.

The Control-M Conversion tool is used to assist in converting scheduling definitions from other products for use with Control-M.

The information in these release notes supplements and supersedes information in the Control-M for z/OS conversion guides.

NOTE



Details about recent fixes, zaps, or PTFs for these products are available in the Knowledge Base on the BMC Software Customer Support web site in solution [SLN000000197255](#) (click on this link to obtain a list of APARs required for conversion to Control-M). Before installation, BMC Software recommends that you check the web site.

To access the documentation for the relevant Control-M Conversion tool, see “[Related documents](#)” on page 11. Refer to the section about downloading and installing the Control-M Conversion tools in the relevant Control-M for z/OS conversion guide.

The space requirements for installing the Control-M Conversion tools are:

- for the uploaded image file – approximately 20 cylinders of a DASD volume.
- for the uncompressed (UNTERSE) file – *ppp,ss,dd* = 80,8,45 cylinders.

Support for INCONTROL for z/OS

The following provides information about:

- “Levels of support” on page 9
- “Compatibility requirements and supported resources” on page 9
- “Products included in this version” on page 10
- “Related documents” on page 11
- “Customer support” on page 12

Levels of support

BMC Software supports the following product versions and releases:

Product name and version	Level of support
INCONTROL 8.0.xx	Full
INCONTROL 7.0.xx	Full
INCONTROL 6.3.xx	Full

For information about the latest support policies, see the Customer Support web site at <http://www.bmc.com/support>.

Compatibility requirements and supported resources

This section provides release-specific information about requirements and supported resources for version 8.0.00 of INCONTROL for z/OS.

Operating system support

For the most current compatibility information for this version, see <http://webapps.bmc.com/paczos/faces/pac/index.jsp>.

INCONTROL for z/OS version 8.0.00 is compliant with the following operating systems:

- z/OS v1.12
- z/OS v1.13

Control-M/Enterprise Manager

INCONTROL for z/OS version 8.0.00 requires that Control-M/Enterprise Manager must be version 8.0.00 or later.

Remedy

If the customer is planning to use DO REMEDY to integrate Control-M with Remedy, Remedy version 7 or later must be installed. If DO REMEDY is not used, there is no dependency with Remedy at all.

Products included in this version

Version 8.0.00 of the INCONTROL family of products includes the following products:

- Control-M for z/OS
- Control-M/Restart
- Control-O
- Control-M/Tape
- Control-D
- Control-V
- Control-M/Analyzer
- Control-M/Assist
- Control-D/Image
- Control-D/Page On Demand
- Control-M/Links

You may have some or all of these products installed at your site. If so, review the versions of your installed products. If you are already using version 8.0.00 or later, do not reinstall that product.

For complete instructions about the installation and implementation of INCONTROL products, see the *INCONTROL for z/OS Installation Guide: Installing*. This guide is included in Adobe Portable Document Format (PDF) on the documentation CD, which is included as part of the product shipment.

Related documents

The following documents support INCONTROL for z/OS:

- *INCONTROL for z/OS Installation Guide: Installing*
- *INCONTROL for z/OS Installation Guide: Customizing*
- *INCONTROL for z/OS Installation Guide: Maintaining*
- *INCONTROL for z/OS Installation Guide: Upgrading*
- *INCONTROL for z/OS Administrator Guide*
- *INCONTROL for z/OS Utilities Guide*
- *INCONTROL for z/OS Security Guide*
- *INCONTROL for z/OS Messages Manual A-CTM*
- *INCONTROL for z/OS Messages Manual CTO-F*
- *INCONTROL for z/OS Messages Manual G-Z*
- *KeyStroke Language (KSL) User Guide*
- *Control-M for z/OS User Guide*
- *Control-M for z/OS Getting Started Guide*
- *Control-M/Restart User Guide*
- *Control-O User Guide*
- *Control-O Conversion Guide*
- *Control-O Solveware Reference Guide*
- *Control-O/COSMOS User Guide*
- *Control-M/Tape User Guide*
- *Control-M/Tape Implementation Guide*
- *Control-M/Tape Conversion Guide*
- *Control-D and Control-V User Guide*
- *Control-D Implementation Guide*
- *Control-D Getting Started Guide*
- *AFP in the Control-D Environment Implementation Guide*
- *Control-D and Control-V Online Viewing Guide*
- *Control-D CA-SAR Conversion Guide*
- *Control-D CA-DISPATCH Conversion Guide*
- *Control-D INFOPAC Conversion Guide*
- *Control-M/Analyzer User Guide*
- *Control-M/Analyzer Implementation Guide*
- *Control-M/Assist Implementation Guide*
- *Control-M Conversion Tool version 8.0.00 documentation CD*

To view the latest BMC documents, including documents in other languages, see the Customer Support web site at <http://www.bmc.com/support>. Notices, such as flashes, technical bulletins, and release notes, are available on the web site. You can subscribe to proactive alerts to receive e-mail messages when notices are issued or updated. For more information about proactive alerts, see the Customer Support web site.

Customer support

If you have problems with or questions about a BMC product, see the Customer Support web site at <http://www.bmc.com/support>. You can view or download product documents, find answers to frequently asked questions, and download products and maintenance. If you do not have access to the web and you are in the United States or Canada, contact Customer Support at 800 537 1813. Outside the United States or Canada, contact your local BMC office or agent.

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