

Control-M for SAP 8.0.00 Release Notes



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Introduction to the Control-M for SAP Release Notes

BMC Software is releasing version 8.0.00 of Control-M for SAP. These release notes provide information about the enhancements and resolved problems in this release. The information in this document supplements and supersedes information in the Control-M for SAP Administrator Guide.

BMC Software is also announcing that an automated method for converting your SAP jobs to BMC Control-M for SAP is now available. The BMC Control-M Conversion Tool 8.0.02 provides a straightforward automated conversion method that reduces scheduler conversion efforts. The Control-M conversion tool 8.0.02 and release notes are available for download through EPD

Up-to-date, essential installation and service information that becomes available after this product is released will be placed at <https://kb.bmc.com/infocenter/index?page=content&id=KA405785> in the Knowledge Base.

Before installation, BMC recommends that you check the website for any up-to-date information and also to determine whether recent patches are available for this product.

Control-M for SAP enhancements

The following table describes Control-M for SAP enhancements for version 8.0.00.

Tracking #	Description
QM001795598	Control-M for SAP is now SAP XBP 3.0 certified.
CAR00048343	It is now possible to create an SAP job with a temporary variant. Requires XBP 3.0.
CAR00048328	It is now possible to define Event History and Job Interception profiles using Control-M for SAP. Requires XBP 3.0.
CAR00048324	Control-M for SAP can now be installed on Linux 64bit.
CAR00048774	Control-M for SAP now supports Windows Server 2012 R2 Standard Edition and Windows Server 2012 R2 Datacenter Edition.
CAR00042171	Variants with parameter values up to 132 characters are now supported. Requires both XBP 3.0 and SAP Note 1144882.

Tracking #	Description
QM001794503	The "Show" button was added to the R/3 step definition so it is possible to view the current values of a variant as set in the SAP system.
CAR00048300	The SAP execution server name is now available in the R/3 job's output.
CAR00048302	sapcmbe.sh/cmd status command now displays the status of the Extractor process.
CAR00048327	It is now possible to view a job's spool from the command line using the ctmr3req utility. Requires XBP 3.0.
CAR00048336	It is now possible to get a list of Events defined in SAP in the Event Watcher Management utility. Requires both XBP 3.0 and SAP Note 1240741.
CAR00048344	It is now possible to create a variant from the selection screen using the ctmr3req utility. Requires XBP 3.0.
CAR00045318	Control-M for SAP now sends an alert to Control-M/EM Alerts window in case the Extractor process has terminated unexpectedly.

Control-M for SAP corrected problems

The following table describes Control-M for SAP corrected problems for version 8.0.00. The list of corrected problems is also available at <https://kb.bmc.com/infocenter/index?page=content&id=KA405786> in the Knowledge Base.

Tracking #	Description
CAR00048498	(Control-M EM Client version 8.0.00) When trying to check in a folder or validate an SAP job, the following error messages is issued: The field 'DetectChildJobName' should not exceed 18 characters
CAR00048854	(Control-M/EM version 8.0.00) When saving R/3 job definitions, the Archive values are saved with the wrong variables.
CAR00048903	When importing SAP jobs that include External Program/Command steps into Control-M Workload Automation, a validation error message appears in the "Parameters" field value or the value is not imported at all.
CAR00048904	SAP jobs that include External Program/Command steps with parameters fail with status "Ended Not Ok" if defined in Control-M Workload Automation.
CAR00047851	Control-M/Agent Windows becomes unavailable and Event Viewer Security logs show that p_ctmag.exe process has terminated unexpectedly.
CAR00047365	The Job output spool line is truncated to 256 characters. Requires XBP 3.0.
CAR00046637	Output of a SAP job with multiple spools per step only shows the last spool. Requires XBP 3.0.
CAR00047233	The following error message is issued during new day procedure: OS_FILE_delete failed for file <sysout_filename>
CAR00047278	Spawned jobs are not detected in Control-M in case the SAP job name is not identical to the Job Name value in the General tab in the Properties Pane in Control-M Workload Automation.
CAR00048666	(Control-M EM Client version 8.0.00) It should be possible to create a link between a SAP job name and Control-M job name in the Planning domain in Control-M Workload Automation.

Tracking #	Description
CAR00048927	Spawned jobs are not detected by Control-M in case a SAP parent job is set with Start Spawned Job in Control-M job definitions and several parent jobs are running at the same time.
CAR00047637	The following error message, may be displayed when trying to view job's output from Control-M/EM: <code>Value is too long for key 'JOBNAME'</code>
CAR00047798	Executing Batch Input Session jobs might create many log files.
CAR00047852	The following message incorrectly appears in the logs: The keyword '%SAPR3-RERUN_STEP_NUM' is mandatory.
CAR00047879	When job definitions are opened for browsing and Job Count is set to "Specific Job" in 'Copy' job mode, the Job count number field is not visible.
CAR00048347	The script default_order.bat/sh does not take into consideration that the Control-M Agent Logical Name might be set to a different name than the host name, so when it is used an entry with the Control-M Agent host name is created in the Control-M Configuration Manager. This fix only applies to a new installation of Control-M for SAP 8.0.00 and not to upgrades.
CAR00048494	When using Xtractor, while spawning detected jobs from SAP and creating them in Control-M, special characters \ and / need to be removed.
CAR00048809	The Windows SAP Extractor service name has changed to Control-M for SAP <Agent Instance> Extractor
CAR00047854	When using Control-M for SAP configuration parameter VAR_MOD_BY_NAME, variants are not updated in SAP
CAR00048227	SAP job fails with the following error message: <code>Java.util.ConcurrentModificationException</code>

Control-M for SAP compatibility

Control-M for SAP can be installed on Windows or UNIX computers and works together with other products in the Control-M scheduling solution (for example, Control-M/EM and Control-M/Server).

The following lists the operating systems and other pre-installation requirements for Control-M for SAP:

- [Control-M for SAP compatibility with Windows](#) (on page 7)
- [Control-M for SAP compatibility with UNIX](#) (on page 8)
- [Control-M for SAP additional requirements](#) (on page 9)
- [Control-M for SAP compatibility with SAP authorizations](#) (on page 10)
- [Control-M for SAP compatibility with Control-M components](#) (on page 13)

Control-M for SAP compatibility with Windows

The following table lists the supported Windows operating systems for Control-M for SAP.

Operating System	Bits	Compatible Processors
Windows Vista Enterprise Edition	<ul style="list-style-type: none"> ▪ 32 ▪ 64 	<ul style="list-style-type: none"> ▪ x86 ▪ x86_64
Windows Vista Business Edition		
Windows Vista Ultimate Edition		
Windows 7 Enterprise Edition		
Windows 7 Professional Edition		
Windows 7 Ultimate Edition		
Windows 8		
Windows 8 Professional Edition		
Windows 8 Enterprise Edition		

Operating System	Bits	Compatible Processors
Windows Server 2008 Standard Edition		
Windows Server 2008 Enterprise Edition		
Windows Server 2003 Standard Edition		
Windows Server 2003 Enterprise Edition		
Windows Server 2012 Standard Edition	64	x86_64
Windows Server 2012 Datacenter Edition		
Windows Server 2012 R2 Standard Edition		
Windows Server 2012 R2 Datacenter Edition		
Windows Server 2008 R2 Standard Edition		
Windows Server 2008 R2 Enterprise Edition		

Control-M for SAP compatibility with UNIX

The following table lists the supported UNIX operating systems for Control-M for SAP version 8.0.00.

Operating system	Version	Bits	Compatible processors
AIX®	7.1	64	Power
	▪ 6.1	▪ 32	
	▪ 5.3	▪ 64	

Operating system	Version	Bits	Compatible processors
HP-UX	<ul style="list-style-type: none"> ▪ 11.31 ▪ 11.23 	64	Itanium 64
Red Hat Enterprise Linux Server	<ul style="list-style-type: none"> ▪ 6 ▪ 5 	<ul style="list-style-type: none"> ▪ 32 ▪ 64 	<ul style="list-style-type: none"> ▪ x86_64 ▪ x86
Red Hat Enterprise Linux AS	4		
Red Hat Enterprise Linux ES	4		
SUSE Linux Enterprise Server	<ul style="list-style-type: none"> ▪ 11 ▪ 10 ▪ 9 		
Oracle Enterprise Linux Server	<ul style="list-style-type: none"> ▪ 6 ▪ 5 		
Oracle Solaris	11	64	SPARC
	<ul style="list-style-type: none"> ▪ 10 ▪ 9 	<ul style="list-style-type: none"> ▪ 32 ▪ 64 	

Control-M for SAP additional requirements

The following table describes the additional requirements for Control-M for SAP.

Requirements	Version
JCo library	The sapjco3.jar and sapjco3 C library files are not delivered with Control-M for SAP. They must be separately installed. For more information, see: <i>Control-M for SAP Administrator Guide</i> .

Control-M for SAP compatibility with SAP authorizations

The following table describes the authorizations that SAP users need to use this product.

Requirements	Details
SAP Basis Release: 4.5B, 4.6C, 4.6D, 6.10, 6.20, 6.40 (NetWeaver), 7.x	If you are work with SAP Basis 7.0, you need to install SAPKB70012 (Support Package 12) as a minimum requirement.
Kernel version	<p>Due to SAP changes in the RFC libraries, a minimum kernel for your SAP system is required, which is detailed in SAP note 792850 and 903329. Failure to do so, prevents Control-M for SAP from working and the following connection error is displayed:</p> <pre>You are not authorized to logon to the target system (error code 1) Connect to SAP gateway failed partner not reached (host <...>, service 33<nn>)</pre> <p>SAP recommends that you always have the most updated version of Kernel installed.</p>
XBP interface	<p>It is recommended that your SAP system includes at least the XBP 2.0 interface. Some of the features are available without XBP 2.0, if you use Control-M Function Modules. For more information, see the Differences between XBP BAPIs and Control-M Function Modules in <i>Control-M for SAP Administrator Guide</i>.</p> <p>According to SAP documentation, the XBP 2.0 interface is included in the following SAP Basis Support Packages:</p> <ul style="list-style-type: none"> ▪ 4.6C - SAPKB46C41 (Support Package 41) ▪ 4.6D - SAPKB46D35 (Support Package 35) ▪ 6.10 - SAPKB61028 (Support Package 28) ▪ 6.20 - SAPKB62017 (Support Package 17) ▪ 6.40 - No support package needed ▪ 7.0 - SAPKB70012 (Support Package 12) <p>For information provided by SAP on XBP 2.0, see SAP Note 604496 (Composite SAP note XBP 2.0) and http://service.sap.com/job-scheduling.</p>

Requirements	Details
Data archiving	If you are use XBP 1.0 on SAP 4.6C and plan to implement Control-M support for Data Archiving, you must apply SAP Note 458670 to your SAP system. Follow the instructions provided in the SAP note. When using XBP 2.0 or XBP 3.0, this note is not necessary.

Requirements	Details
SAP Business Information Warehouse	<p>Releases: 2.0B, 2.1C, 3.0B, 3.1 Content, 3.1 Content with BI CONT 3.20, 3.5, 7.x.</p> <p>If you plan to use the Control-M for SAP-BW functionality, the following BW Support Packages must be installed:</p> <ul style="list-style-type: none"> ▪ BW 2.0B - SAPKW20B35 (release details in SAP Note 601001) ▪ BW 2.1C - SAPKW21C27 (release details in SAP Note 601023) ▪ BW 3.0B - SAPKW30B27 (release details in SAP Note 723258) ▪ BW 3.1 - SAPKW31021 (release details in SAP Note 723263) ▪ BW 3.5 - SAPKW35012 (release details in SAP Note 986892) ▪ BW 7.0 - SAPKW70014 (release details in SAP Note 991094) <p>If you plan to use the Control-M for SAP Interrupt functionality, for BW 3.0 and 3.5, SAP Note 786748 must be installed manually. For more details about Interrupts see, Removing a process chain from schedule (Interrupts) in <i>Control-M for SAP Administrator Guide</i>.</p> <p>If you plan to use Control-M for SAP functionality, you must install the following SAP Basis Support packages:</p> <p>Known SAP notes, which resolve problems which can occur when using Control-M for SAP. For more information, see <i>Control-M for SAP Administrator Guide</i>.</p> <p>Install the following SAP Basis Support Packages, to avoid installing each note separately, :</p> <ul style="list-style-type: none"> ▪ 4.6C -- SAPKB46C52 (Support Package 52) ▪ 4.6D -- SAPKB46D43 (Support Package 43) ▪ 6.10 -- SAPKB61046 (Support Package 46) ▪ 6.20 -- SAPKB62059 (Support Package 59) ▪ 6.40 -- SAPKB64017 (Support Package 17) <p>The following SAP Business Warehouse Support Packages can also be installed. These Support Packages include SAP Note 1059049, which correct a previous SAP problem.</p> <ul style="list-style-type: none"> ▪ BW 7.0 - SAPKW70015 (release details in SAP Note 991095) ▪ BI 7.1 - SAPKW71001 (release details in SAP Note 1011773) <p>NOTE: Information regarding the availability of the above support packages and other related data should be verified directly with SAP.</p>

Requirements	Details
Import SAP Calendar	If you plan to use the Import SAP Calendar utility, your SAP system version should be PI_BASIS 2002_2_620 or later .
SAP Event Based Scheduling	SAP Basis Release: 7.0 and later
Open ports	<p>The gateway port in the SAP host should always be open. If you are using a firewall, ensure that this port is open.</p> <p>The port is usually 33<SYSNR>, where SYSNR represents the System number of the computer on which the SAP Gateway Server is running.</p> <p>EXAMPLE: Port 3335 is used when the System number is 35.</p> <p>If you are using Log in Groups, ensure that the Message Server port you are using is open.</p>

NOTE: You can use a transport user role, **BMCCTRLM_CM_USER**, which includes all the authorizations (with the exception of S_RS_PC), needed to work with Control-M for SAP. Use this role in your Control-M user. For more information on how to install the Transport, see Transport sub-folder contents in *Control-M for SAP Administrator Guide*.

You might need to add additional authorizations, as described in SAP authorizations in *Control-M for SAP Administrator Guide*. The authorization checks if the job is completed in SAP using the Owner of the job step. However, if you do not set an Owner for the job step, the Owner is set in the connection profile and must have the required authorizations.

NOTE: The User Type, as defined in the SAP User maintenance transaction (SU01), can be either System or Dialog. Different User Types might cause errors in connection

Control-M for SAP compatibility with Control-M components

The following table describes the Control-M/EM, Control-M/Server and Control-M/Agent versions that are compatible with Control-M for SAP.

Platform	Versions
Control-M/EM	<ul style="list-style-type: none"> ▪ 6.4.01 or later
Control-M/Server for UNIX and Windows	<ul style="list-style-type: none"> ▪ 6.4.01 or later
Control-M/Agent for UNIX and Windows	<ul style="list-style-type: none"> ▪ 6.4.01 or later

Product Distribution

The following procedures describe how to obtain the installation files for Control-M for SAP 8.0.00 using EPD or the BMC Sales Representative:

- [Obtaining installation files through EPD](#) (on page 14)
- [Obtaining installation files through the BMC sales representative](#) (on page 15)

Obtaining installation files through EPD

This procedure describes how to obtain the Control-M for SAP installation files through EPD.

➤ To obtain installation files via EPD:

1. Click <https://webapps.bmc.com/epd/> and follow the instructions on the EPD site until you reach the Download Files page.

2. Do one of the following:

- UNIX: Do the following:

a. Download and save the file into a temporary directory:

```
<INST_TEMP_DIR>
```

If you downloaded it to your computer, transfer it to a UNIX computer using binary ftp mode to an intermediate location: <UNIX_TAR_Z_LOCATION>

b. CD into:

```
<INST_TEMP_DIR>
```

c. Extract the compressed tar file with the following command:

```
uncompress -c <UNIX_TAR_Z_LOCATION>/<InstallationFileName.tar.Z> |
tar xf -
```

- Windows: Do one of the following:

- Download and save the .iso file to a temporary directory, and then burn it onto a DVD.
- Download and save the relevant .zip file to a temporary directory.

Obtaining installation files through the BMC sales representative

This procedure describes how to obtain the Control-M for SAP installation files through the BMC sales representative.

➤ To obtain installation files through the BMC Sales representative:

- To obtain a product DVD, contact your BMC Sales Representative.

Contact information is available on the BMC website see
<http://www.bmc.com/corporate/contacts-locations/>

Support for Control-M for SAP

These topics provide information about the following:

- [Levels of support](#) (on page 16)
- [Related documentation](#) (on page 16)

Levels of support

For more information about the latest support policies and guidelines, see the Customer Support page of the BMC website at <http://www.bmc.com/support>.

Related documentation

To view the latest BMC documents, including documents in other languages, see the Customer Support website at <http://www.bmc.com/support>.

Notices, such as flashes, technical bulletins, and release notes, are available on the website.

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 website.

The following provide more information about Control-M.

- Administration
- Getting Started
- Installation
- Language and customization
- Messages
- Parameters
- Reporting Facility
- Control-M Self Service
- SSL Management
- Upgrade
- Using Control-M Workload Automation
- Utilities

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