

Control-M for SAP Business Objects

Version: 7.0.00

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BMC Software is releasing Control-M for SAP Business Objects, which is a control module that enables you to automate SAP Business Objects report generation for Crystal, Web Intelligence, Desktop Intelligence pre-defined reports and pre-defined Publications. You can also override various SAP Business Objects attributes for specific report instances.

Control-M for SAP Business Objects jobs are integrated with other Control-M jobs into a single scheduling environment. This enables you to control and operate the SAP Business Objects report generation within Control-M. All Control-M capabilities are available for SAP Business Objects jobs, including advanced scheduling criteria, complex dependencies, quantitative and control resources, and autoedit variables.

Up-to-date, essential installation and service information that becomes available after this product is released will be placed under solution SLN000015141271 in the Knowledge Base on the Customer Support website, located at <http://www.bmc.com/support>. 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.

The following topics are discussed:

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Control-M for SAP Business Objects compatibility

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

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

- “Control-M for SAP Business Objects compatibility with Windows” on page 2
- “Control-M for SAP Business Objects compatibility with UNIX/Linux” on page 3
- “Control-M for SAP Business Objects compatibility with Control-M components” on page 4
- “Control-M for SAP Business Objects compatibility with SAP Business Objects” on page 4
- “Control-M for SAP Business Objects language compatibility” on page 5

Some compatibility requirements might have changed since Control-M for SAP Business Objects version 7.0.00 was released. For the most current compatibility information, see

<http://webapps.bmc.com/paczos/faces/pac/index.jsp>.

Control-M for SAP Business Objects compatibility with Windows

Table 1 lists the supported Windows operating systems for Control-M for SAP Business Objects.

Table 1 Control-M for SAP Business Objects compatibility with Windows

Operating system	Bits	Compatible processors
Windows 7 Professional Edition	<ul style="list-style-type: none"> ■ 32 ■ 64 	<ul style="list-style-type: none"> ■ x86 ■ x86_64
Windows 7 Enterprise Edition		
Windows 7 Business Edition		
Windows XP Professional		
Windows Vista Enterprise Edition		
Windows Vista Business Edition		
Windows Vista Ultimate Edition		
Windows Server 2008 Standard Edition		
Windows Server 2008 Enterprise Edition		
Windows Server 2003 Standard Edition		
Windows Server 2003 Enterprise Edition		
Windows Server 2008 R2 Standard Edition	64	x86_64
Windows Server 2008 R2 Enterprise Edition		

Control-M for SAP Business Objects compatibility with UNIX/Linux

Table 2 lists the supported UNIX/Linux operating systems for Control-M for SAP Business Objects.

Table 2 Control-M for SAP Business Objects compatibility with UNIX/Linux

Operating system	Version	Bits	Compatible processors
AIX®	<ul style="list-style-type: none"> ■ 6.1 ■ 5.3 	<ul style="list-style-type: none"> ■ 32 ■ 64 	Power
HP-UX	<ul style="list-style-type: none"> ■ 11.31 ■ 11.23 	64	Itanium (ia64)
Red Hat Enterprise Linux AS	4	<ul style="list-style-type: none"> ■ 32 ■ 64 	<ul style="list-style-type: none"> ■ x86 ■ x86_64
Red Hat Enterprise Linux ES	4	<ul style="list-style-type: none"> ■ 32 ■ 64 	<ul style="list-style-type: none"> ■ x86 ■ x86_64
Red Hat Enterprise Linux Server	5	<ul style="list-style-type: none"> ■ 32 ■ 64 	<ul style="list-style-type: none"> ■ x86 ■ x86_64
Solaris™	<ul style="list-style-type: none"> ■ 10 ■ 9 	<ul style="list-style-type: none"> ■ 32 ■ 64 	<ul style="list-style-type: none"> ■ x86 (10 only) ■ x86_64 (10 only) ■ SPARC

Table 2 Control-M for SAP Business Objects compatibility with UNIX/Linux

Operating system	Version	Bits	Compatible processors
SUSE LINUX Enterprise Server	<ul style="list-style-type: none"> ■ 11 ■ 10 ■ 9 	<ul style="list-style-type: none"> ■ 32 ■ 64 	<ul style="list-style-type: none"> ■ x86 ■ x86_64
Oracle Enterprise Linux Server	5	<ul style="list-style-type: none"> ■ 32 ■ 64 	<ul style="list-style-type: none"> ■ x86 ■ x86_64

Control-M for SAP Business Objects compatibility with Control-M components

Table 3 lists the versions of Control-M/EM, Control-M/Server, and Control-M/Agent that are compatible with Control-M for SAP Business Objects.

Table 3 Control-M for SAP Business Objects compatibility with Control-M components

Platform	Versions
Control-M/Enterprise Manager	<ul style="list-style-type: none"> ■ 7.0.00 ■ 6.4.01 ■ 6.3.01 (<i>fix pack 6 and higher</i>)
Control-M/Server for UNIX and Microsoft Windows	<ul style="list-style-type: none"> ■ 7.0.00 ■ 6.4.01 ■ 6.3.01 (<i>fix pack 2 and higher</i>)
Control-M/Agent for UNIX and Microsoft Windows	<ul style="list-style-type: none"> ■ 7.0.00 ■ 6.4.01 ■ 6.3.01 (<i>fix pack 2 and higher</i>)

Control-M for SAP Business Objects compatibility with SAP Business Objects

Table 4 lists the versions of SAP Business Objects that are compatible with Control-M for SAP Business Objects.

Table 4 Control-M for SAP Business Objects compatibility with Control-M components

Platform	Versions
Business Objects XI	3.1

Control-M for SAP Business Objects language compatibility

Table 5 lists languages that are compatible with Control-M for SAP Business Objects.

Table 5 Control-M for SAP Business Objects language compatibility

Languages	Level of support
Basic ASCII	US English
W. European (Latin-1 character set)	Defines special Western European characters used in English, Spanish, German, and French in most free-text fields and parameters.

Some compatibility requirements might have changed since Control-M for SAP Business Objects version 7.0.00 was released. For the most current compatibility information, see

<http://webapps.bmc.com/paczos/faces/pac/index.jsp>.

Product distribution

The following procedures describe how to obtain the installation files for Control-M for SAP Business Objects version 7.0.00 via the EPD site or through the BMC Sales Representative:

- “Obtaining installation files via EPD” on page 5
- “Obtaining installation files via the BMC Sales Representative” on page 6

Obtaining installation files via EPD

This procedure describes how to obtain the Control-M for SAP Business Objects version 7.0.00 installation files via 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 Download the installation files, as follows:
 - **UNIX:** Do one of the following:

- Download and save the iso file to a temporary directory, and then burn it onto a DVD.
- Download save the relevant .tar file according to your operating system, to a temporary directory.
- **Windows:** Do one of the following:
 - Download and save the zip file to a temporary directory.
 - Download and save the iso file to a temporary directory, and then burn it onto a DVD.

Obtaining installation files via the BMC Sales Representative

This procedure describes how to obtain the Control-M for SAP Business Objects version 7.0.00 installation files via the BMC Sales Representative.

To obtain installation files via the BMC Sales Representative:

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

The list of representatives are available at <http://www.bmc.com/corporate/contacts-locations/>.

The DVD for this version is associated with tracking number LPCBO.7.0.00. Refer to this number when ordering or requesting maintenance for this product.

Installation

Control-M for SAP Business Objects can be installed on Windows and UNIX on a Control-M/Agent. The Business Objects form and the Control-M Configuration Manager client plug-in must be installed on a Control-M/EM client.

Table 6 Installation information and tasks

Task/Information	Description
“UNIX installation on Control-M/Agent” on page 7	Describes how to install Control-M for SAP Business Objects on Control-M/Agent on UNIX via regular and silent installation

Table 6 Installation information and tasks

Task/Information	Description
“Windows installation on Control-M/Agent” on page 10	Describes how to install Control-M for SAP Business Objects on Control-M/Agent on Windows via regular and silent installation
“Installation on Control-M/EM” on page 12	Describes how to import the Business Objects form and install Control-M for SAP Business Objects on a Control-M/EM client

UNIX installation on Control-M/Agent

The following procedures describe how to install Control-M for SAP Business Objects on Control-M/Agent on UNIX via interactive or silent installation.

- [“Installing Control-M for SAP Business Objects on UNIX” on page 7](#)
- [“Performing a silent installation on UNIX” on page 8](#)

Installing Control-M for SAP Business Objects on UNIX

This procedure describes how to install the Control-M for SAP Business Objects on a Control-M/Agent via interactive installation.

NOTE



The default installation is interactive and uses a GUI display. XServer must be running and configured using the DISPLAY environment variable. If you do not have XServer available, it is recommended that you perform a silent installation or continue with the console installation. For more information, see [“Performing a silent installation on UNIX” on page 8](#).

Before you begin

Ensure that all jobs running on the Control-M/Agent have ended.

To install on UNIX:

- 3 Log in as the Control-M/Agent user, and stop the Control-M/Agent by typing the following command:

```
<Control-M Agent directory>/scripts/shut-ag -u <agentUser> -p all
```



NOTE

If the Control-M/Agent was installed with user **root**, then log in as user **root** every time you start up or shut down the Control-M/Agent throughout this procedure.

If you are using an AIX operating system, you must remove unused libraries from memory, by typing the following command:

```
/usr/sbin/slibclean
```

4 Do one of the following:

- Mount the installation DVD.
- From the temporary directory that you created (see “[Obtaining installation files via EPD](#)” on page 5), extract the .tar file.

5 Set your **DISPLAY** environment variable according to your computer name.

For csh or tcsh shell users:

```
setenv DISPLAY <your computer name>:0.0
```

6 Type the following command:

```
<installation_path>/setup.sh
```

7 Continue with the installation wizard, following the on-screen instructions.

8 Start the Control-M/Agent by running the following command:

```
<Control-M Agent directory>/scripts/start-ag -u <agentUser> -p all
```

9 To use the Control-M for SAP Business Objects utilities in the Control-M Configuration Manager, you must run the **ctmgetcm** utility in the Control-M/Server.

For more information, see the *Control-M Administrator Guide*.

Continue with “[Installation on Control-M/EM](#)” on page 12.

Performing a silent installation on UNIX

This procedure describes how to perform a silent installation on a UNIX platform. You need to prepare an XML parameter file before you can perform the silent installation.

Before you begin

Ensure that all jobs running on the Control-M/Agent have ended.

To perform a silent installation on UNIX:

- 1 Log in as an Agent user.
- 2 Set your **DISPLAY** environment variable according to your computer name.

For csh or tcsh shell users:

```
setenv DISPLAY <your computer name>:0.0
```

- 3 From the installation DVD or from the temporary directory that you created (see “Obtaining installation files via EPD” on page 5), activate the installation script with the following command:

```
<installation_path>/setup.sh
```

- 4 Continue with the installation wizard, following the instructions on each screen.
- 5 From the **Summary** window, click **Generate** and select the location to create the XML parameter file.
- 6 Click **Quit**.
- 7 Copy the automatic installation parameters file to a network location that is accessible to all computers on which a silent installation will be performed.

- 8 Stop the Control-M/Agent by running the following command:

```
<Control-M Agent directory>/scripts/shut-ag -u <agentUser> -p all
```

NOTE



If the Control-M/Agent was installed with user **root**, then log in as user **root** every time you start up or shut down the Control-M/Agent throughout this procedure.

If you are using an AIX operating system, you must remove unused libraries from memory, by typing the following command:

```
/usr/sbin/slibclean
```

- 9 To run the installation script, type the following command:

```
<installation_path>/setup.sh -silent <silent.xml>
```

The installation log can be found at the following location:

<Control-M Agent directory>/BMCINSTALL/log/cmbo/BMC_Control-M_CM_For_SAP_BO_Install_<timestamp>.log

10 Start the Control-M/Agent by running the following command:

<Control-M Agent directory>/scripts/start-ag -u <agentUser> -p all

11 To use the Control-M for SAP Business Objects utilities in the Control-M Configuration Manager, you must run the `ctmgetcm` utility in the Control-M/Server.

For more information, see the *Control-M Administrator Guide*.

Continue with “Installation on Control-M/EM” on page 12.

Windows installation on Control-M/Agent

The following procedures describe how to install Control-M for SAP Business Objects on Control-M/Agent on Windows via interactive or silent installation.

- “Installing Control-M for SAP Business Objects on Windows” on page 10
- “Performing a silent installation on Windows” on page 11

Installing Control-M for SAP Business Objects on Windows

This procedure describes how to install the Control-M for SAP Business Objects on Control-M/Agent via an interactive installation.

Before you begin

Ensure that all jobs running on the Control-M/Agent have ended.

To install on Windows:

- 1 Log in to the computer using a user ID that has Administrator privileges.
- 2 Do one of the following:
 - From the installation DVD, double-click the `Setup.exe` file.
 - From a command prompt window, enter `<installation_path>/Setup.exe`.
- 3 Select the Control-M/Agent to perform the installation. Continue with the installation wizard, following the on-screen instructions until the completion of the installation.

- 4 To use the Control-M for SAP Business Objects utilities in the Control-M Configuration Manager, you must run the **ctmgetcm** utility in the Control-M/Server.

For more information, see the *Control-M Administrator Guide*.

Continue with “Installation on Control-M/EM” on page 12.

Performing a silent installation on Windows

This procedure describes how to perform a silent installation on Windows. You need to prepare an XML parameter file before performing the silent installation.

Before you begin

Ensure that all jobs running on the Control-M/Agent have ended.

To perform a silent installation:

- 1 Log in to the computer using a user ID that has Administrator privileges.
- 2 Do one of the following:
 - From the installation DVD, double-click the **Setup.exe** file.
 - From a command prompt window, enter `<installation_path>\Setup.exe`.
- 3 Continue with the installation wizard, following the instructions on each screen in order to complete the interactive installation.
- 4 From the **Summary** window, click **Generate** and select the location to create the XML parameter file.
- 5 Click **Quit**.

The automatic installation XML parameters file that is created (**silent.xml**) is relevant only for computers with the same agent instance name. Otherwise, a separate **silent.xml** file must be created for each computer, or the properties of the **silent.xml** file must be modified manually for each computer

- 6 Copy the automatic installation parameters file to a network location that is mapped to a drive that is accessible to all computers where a silent installation is performed.
- 7 Log in using a user ID that has Administrator privileges on the current computer as an Agent user.

- 8 Ensure that the installation DVD is still in the DVD drive, and run the installation script, as follows:

```
<installation_path>\Setup.exe -silent <silent.xml>
```

The installation log can be found at the following location:

```
<Control-M/Agent  
directory>\<AgentInstanceName>\BMCINSTALL\log\cmbo\BMC_Control-  
M_CM_For_SAP_BO_Install_<timestamp>.log
```

- 9 To use the Control-M for SAP Business Objects utilities in the Control-M Configuration Manager, you must run the `ctmgetcm` utility in the Control-M/Server.

For more information, see the *Control-M Administrator Guide*.

Installation on Control-M/EM

The following procedures describes how to install Control-M for SAP Business Objects on Control-M/EM and must be done in the following order:

1. “Importing the SAP Business Objects form” on page 12
2. “Installing Control-M for SAP Business Objects client plug-in on the Control-M Configuration Manager” on page 13
3. “Enabling Find and Update support” on page 14

Importing the SAP Business Objects form

This procedure describes how to import the SAP Business Objects form, which enables you to define Control-M for SAP Business Objects jobs in the job editing form in Control-M/Desktop.



NOTE

This procedure must be performed on every computer that has Control-M/EM client components installed.

Before you begin

Ensure that you have met the following requirements:

- Successful completion of one of the following:
 - “UNIX installation on Control-M/Agent” on page 7
 - “Windows installation on Control-M/Agent” on page 10
- Ensure that the Control-M for SAP Business Objects LPCBO.7.0.00 DVD is mounted or easily accessible through your network.

To import the SAP Business Objects Job Editing form:

- 1 Ensure that the Control-M for SAP Business Objects is mounted or easily accessible through your network.
- 2 In Control-M/Desktop, select **Tools => Import Applications Forms**.
- 3 Navigate to the Forms directory, as described in “Product distribution” on page 5.
- 4 Select the **BO.xml** file and click **Import** to import the SAP Business Objects form.

Installing Control-M for SAP Business Objects client plug-in on the Control-M Configuration Manager

This procedure describes how to install Control-M for SAP Business Objects plug-in on the Control-M Configuration Manager on a Control-M/EM client computer which enables you to manage Control-M for SAP Business Objects utilities.

Before you begin

Ensure that you have installed one of the following:

- “UNIX installation on Control-M/Agent” on page 7
- “Windows installation on Control-M/Agent” on page 10

To install the plug-in on the Control-M Configuration Manager:

- 1 Log in with a user ID with administrator privileges on the specific computer.
- 2 Ensure that the Control-M Configuration Manager is closed.
- 3 Navigate to the **LPCBO.7.0.00 DVD\CCM\EM_Client** directory.
- 4 Run the **Install_EM_Client_BO_Plugin.cmd** file, and follow the installation instructions provided.



NOTE

To use the Control-M for SAP Business Objects utilities in the Control-M Configuration Manager, you must ensure that the **ctmgetcm** utility has run in Control-M/Server.

For more information, see the *Control-M Administrator Guide*.

Enabling Find and Update support

This procedure describes how to enable the Find and Update support for Control-M for SAP Business Objects, which enables you to find and update multiple Control-M for SAP Business Objects jobs with one action.



NOTE

This feature is only supported from Control-M/EM 6.4.01 and higher.

To enable Find and Update support:

- 1 From the installation DVD, copy the **BO_appl.xml** file located in the ApplFields directory to the following Control-M/EM directory:
 - Control-M/EM client installation: `<EM home directory>\etc\applfields\`
 - Control-M/EM server installation:
 - Windows: `<Control-M/EM home directory>\etc\applfields\`
 - Unix: `<Control-M/EM home directory>/etc/applfields/`
- 2 From the Control-M Configuration Manager, restart the Control-M GUI server.
- 3 Reopen the Control-M/Desktop.

Where to go from here

After you have finished installing Control-M for SAP Business Objects, you need to create an account in the Control-M Configuration Manager, as described in the Help.

After you have created an account you can define a Control-M for SAP Business Objects job from Control-M/Desktop, as described in the Help.

Control-M for SAP Business Objects Uninstall

The following procedures describe how to uninstall Control-M for SAP Business Objects from UNIX and Microsoft Windows:

- “Uninstalling Control-M for SAP Business Objects from UNIX” on page 15
- “Performing silent uninstall from UNIX” on page 16
- “Uninstalling Control-M for SAP Business Objects from Windows” on page 17
- “Performing silent uninstall from Windows” on page 18

Uninstalling Control-M for SAP Business Objects from UNIX

This procedure describes how to uninstall Control-M for SAP Business Objects from UNIX.

Before you begin

Ensure that all jobs are ended.

To uninstall from UNIX:

- 1 From a Control-M/Agent computer, log in as a Control-M/Agent user, and type the following command to shut down Control-M/Agent:

```
<Control-M Agent directory>/scripts/shut-ag -u <agentUser> -p all
```

NOTE



If the Control-M/Agent was installed with user **root**, then log in as user **root** every time you start up or shut down the Control-M/Agent throughout this procedure.

If you are using an AIX operating system, you must remove unused libraries from memory, by typing the following command:

```
/usr/sbin/slibclean
```

- 2 Set your **DISPLAY** environment variable according to the computer name.

For csh or tcsh shell users:

```
setenv DISPLAY <your computer name>:0.0
```

- 3 Navigate to the following directory:

```
<Agent_Root_Dir>/BMCINSTALL/uninstall/DRCBO.7.0.00
```

- 4 Run the following command:

```
./uninstall.sh
```

Control-M for SAP Business Objects has been successfully removed from your computer.

- 5 To restart Control-M/Agent, type the following command:

```
<Control-M Agent directory>/scripts/start-ag -u <agentUser> -p all
```

Performing silent uninstall from UNIX

This procedure describes how to perform silent uninstall from UNIX.

Before you begin

Ensure that all jobs are ended.

To perform silent uninstall from UNIX:

- 1 From a Control-M/Agent computer, log in as a Control-M/Agent user, and type the following command to shut down Control-M/Agent:

```
<Control-M Agent directory>/scripts/shut-ag -u <agentUser> -p all
```

NOTE



If the Control-M/Agent was installed with user **root**, then log in as user **root** every time you start up or shut down the Control-M/Agent throughout this procedure.

If you are using an AIX operating system, you must remove unused libraries from memory, by typing the following command:

```
/usr/sbin/slibclean
```

- 2 Navigate to the following directory:

```
<Agent_root_dir>/BMCINSTALL/uninstall/DRCBO.7.0.00
```

- 3 Run the following command:

```
/uninstall.sh -silent
```


Control-M for SAP Business Objects has been successfully removed from your computer.

- 4 To restart Control-M/Agent, type the following command:

```
<Control-M Agent directory>/scripts/start-ag -u <agentUser> -p all
```

Uninstalling Control-M for SAP Business Objects from Windows

This procedure describes how to uninstall Control-M for SAP Business Objects from Windows.

Before you begin

Ensure that all jobs are ended.

To uninstall from Windows:

- 1 From the **Start** menu, select **Settings => Control Panel**.
- 2 Double-click **Add/Remove Programs**.
- 3 Select Control-M for SAP Business Objects, and click **Add/Remove**.
- 4 Click **OK** to continue.

Control-M for SAP Business Objects has been successfully removed from your computer.

Performing silent uninstall from Windows

This procedure describes how to perform silent uninstall from Windows.

Before you begin

Ensure that all jobs are ended.

To perform silent uninstall from Windows:

- 1 Log into the computer using a user ID that has Administrator privileges.
- 2 Navigate to the following directory:

`<Agent_Root_Dir>\BMCINSTALL\uninstall\DRCBO.7.0.00`

- 3 Run the following command:

Uninstall.exe -silent

Control-M for SAP Business Objects has been successfully removed from your computer.

Support for Control-M for SAP Business Objects

The following topics provides information about:

- “Levels of support” on page 18
- “Related documents” on page 19
- “Customer support” on page 19

Levels of support

BMC supports the following product versions and releases:

Product name and version	Level of support
Control-M for SAP Business Objects 7.0.00	Full

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 documents

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.

Customer support

If you have problems with or questions about a BMC product, see the Customer Support website 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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