

CONTROL-M and CONTROL-D

CONTROL-M and CONTROL-D and related products

February 07, 2007

Update: Altered Daylight Saving Time definitions

BMC Software is alerting users of different versions of the CONTROL-M product to a problem that can occur if the product runs on computers that use the time zones of the United States and Canada. The problem results from changes to the Daylight Saving Time (DST) dates in the United States and Canada. This technical bulletin describes actions you must perform to prevent the problem from occurring.



NOTE

For more information about how this DST issue affects BMC products (including required upgrades and other instructions), see the Customer Support website at www.bmc.com/supportu/DST2007.

Information on the website is updated as necessary. Check the website regularly for the latest information.

BMC product support of the DST changes is subject to all required upgrades and instructions, existing license and support agreements, and the disclaimers in the related DST documents, including, among others,

- full DST support of systems and software provided by the customers
- monitoring any new DST information from BMC
- performing the actual clock changes subject to BMC instructions and customer site

If you have any questions about the problem or the solution, contact BMC Software Customer Support at 800 537 1813 (United States or Canada) or call your local support center.

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Altered Daylight Saving Time definitions

In 2007, DST will start on March 11 instead of April 1 and end on November 4 instead of October 28. On computers that use the time zones of the United States and Canada, CONTROL-M might function and process incorrectly between March 11 and April 1, 2007, and between October 28 and November 4, 2007. For more details on how CONTROL-M processing might be affected, refer to the descriptions provided in this technical bulletin by product release.

Until you correct the problem, similar errors will occur each year. The corrective actions are in this technical bulletin according to product and version. No other changes are required.

Products affected by 2007 DST changes

The following products are affected by the 2007 DST legislation changes:

- CONTROL-M/Enterprise Manager
- CONTROL-M/Forecast
- CONTROL-M for z/OS

CONTROL-M/Enterprise Manager and CONTROL-M/Forecast

A number of unusual conditions resulting from DST date changes might impact CONTROL-M/EM or CONTROL-M/Forecast. Follow the instructions in [Table 1 on page 3](#), which outlines the scenarios and solutions by product and version. Failure to do so might result in the following problems:

- The date and time display in the following might be off by an hour from March 11 through April 1 and from October 28 through November 4.
 - Alert time displayed in the Global Alerts client
 - Last Checked time in the Administration facility
 - Last Upload time in the Scheduling Table Manager and the Calendar Manager
- Administration facility stops responding on April 1 between 2:00 and 2:59 A.M.

- In rare situations, such as when
 - a user performs certain actions on April 1, 2007 between 2:00 and 2:59 A.M., such as uploading or downloading a scheduling table or calendar
 - an alert is generated on April 1, 2007 between 2:00 and 2:59 A.M.

some versions of the GUI Server, Global Alerts Server and the Forecast Server might fail and be unable to function until you take corrective action to resolve the problem.

Table 1 CONTROL-M/EM and CONTROL-M/Forecast (part 1 of 3)

Product and version	Potential problems	Severity	Actions required to prevent the problems
CONTROL-M/EM 6.3.01	None	N/A	None
CONTROL-M/EM 6.2.01	Administration facility stops responding on April 1 between 2:00 and 2:59 A.M.	Minor inconvenience	BMC Software is working on a software update to fix this problem. Check the BMC Customer Support site for updates. Optionally, you can shut down the Administration facility on April 1, 2007 between 2:00 and 2:59 A.M.

Table 1 CONTROL-M/EM and CONTROL-M/Forecast (part 2 of 3)

Product and version	Potential problems	Severity	Actions required to prevent the problems
<p>CONTROL-M/EM 6.1.03</p>	<ul style="list-style-type: none"> ■ GUI Server & Global Alerts Server might stop responding on April 1 from 2:00 A.M. until corrective action is taken ■ date and time displayed in alerts and in the Last Update and Last Checked fields might be off by an hour from March 11 through April 1 and from October 28 through November 4 	<ul style="list-style-type: none"> ■ Critical ■ Medium 	<ol style="list-style-type: none"> 1. Stop CONTROL-M/EM server components, including the Administration Agent. 2. Depending on the platform, perform either of the following sets of steps: <ul style="list-style-type: none"> ■ On Unix: <ol style="list-style-type: none"> A. Add the following line in the .cshrc file under the CONTROL-M/EM installation directory (the change can remain through the year): setenv EM_USE_OSZONE 1 B. Log off. C. Log back on to the UNIX account. <p>Note: Consult with your UNIX system administrator if the CONTROL-M/EM account has a startup shell other than csh.</p> ■ On Windows: <p>Add a system variable named EM_USE_OSZONE with a value of 1.</p> <p>Note: For more details on the above procedure see Knowledge Article KM-000001007102.</p>
	<p>Administration facility stops responding on April 1 between 2:00 and 2:59 A.M.</p>	<p>Minor inconvenience</p>	<p>BMC Software is working on a software update to fix this problem. Check the BMC Customer Support site for updates. Optionally, you can shut down the Administration facility on April 1, 2007 between 2:00 and 2:59 A.M.</p>

Table 1 CONTROL-M/EM and CONTROL-M/Forecast (part 3 of 3)

Product and version	Potential problems	Severity	Actions required to prevent the problems
CONTROL-M/EM 6.1.01 and 6.1.02	<ul style="list-style-type: none"> ■ GUI Server & Global Alerts Server might stop responding on April 1 from 2:00 A.M. until corrective action is taken ■ date and time displayed in alerts and in the Last Update and Last Checked fields might be off by an hour from March 11 through April 1 and from October 28 through November 4 	<ul style="list-style-type: none"> ■ Critical ■ Medium 	<p>BMC Software is working on a software update to fix these problems. Check the BMC Customer Support site for updates.</p> <p>Regardless, BMC Software recommends that you upgrade to version 6.1.03 or later, and follow the instructions in this table for the release to which you are upgrading.</p> <p>If you are unable to upgrade, shut down the GUI Server and Global Alerts Server on April 1, 2007 between 2:00 and 2:59 A.M. This will prevent the GUI Server and Global Alerts Server failure. However, you will still need to accommodate the date and time offset which will begin on March 11 and end on April 1.</p>
	Administration facility stops responding on April 1 between 2:00 and 2:59 A.M.	Minor inconvenience	BMC Software is working on a software update to fix this problem. Check the BMC Customer Support site for updates.
CONTROL-M/EM 6.0.nn	BMC Software is investigating the potential effects of the DST changes on this release	N/A	Check the BMC Customer Support site for updates.
CONTROL-M/EM 5.0.nn	None	N/A	None
CONTROL-M/Forecast 6.2.01 Fix Pack 3 and earlier	Forecast Server might stop responding	Medium	Apply fix pack 4. See the Release Notes for fix pack 4 of CONTROL-M/Forecast version 6.2.01.

CONTROL-M for z/OS

Follow the instructions provided by product and version in [Table 2 on page 6](#). Failure to do so might result in the scheduled operations executing at the wrong time.

Table 2 CONTROL-M for z/OS

Product and version	Potential problems	Severity	Actions required to prevent the problems
CONTROL-M for z/OS 6.2.16 or later	scheduled operations executing at the wrong time	critical	<p>If you use the USA or EUR values in your TIMEZONE definition in the &ILPREF.A.PARM(TIMEZONE) member, and your job processing definitions utilize the TIME ZONE parameter, do the following:</p> <ol style="list-style-type: none"> 1. Replace the USA or EUR values with the FROM and TO values adjusted to the newly legislated dates. For example, replace: PST = GMT-08.00 USA with PST = GMT-08.00 FROM 11.03 01.59 TO 28.10 02.00 GMT-07.00 2. Apply PTF PA18502 if you want to ensure that the USA and EUR values cannot accidentally be used in the future. This step is optional, but highly recommended. <p>Note: If you are using or applying CONTROL-M for z/OS maintenance version 6.2.19, you do not need to apply PTF PA18502. The fix is included in that maintenance version.</p>
CONTROL-M for z/OS 6.0.nn and 6.1.nn	None	N/A	None
CONTROL-M for z/OS 5.nn	None	N/A	None

Unaffected products and versions

The following products and versions are not affected by this problem, but where time zone support is provided, administrators should be aware of the mandated date changes and perform Daylight Saving Time adjustments on the correct date.

- CONTROL-M/Enterprise Manager versions 6.3.01 and later
- CONTROL-M/Enterprise Manager version 5.0.nn
- CONTROL-M/Server - all versions
- CONTROL-M for z/OS versions 6.1.nn and earlier
- CONTROL-M/Forecast version 6.2.01 with fix pack 4, and later

DST changes do not affect any other product or component in the CONTROL-M and CONTROL-D suite of products.

DST third-party guidelines

Unless specifically announced by BMC, all embedded third-party software requires no additional specific updates or fixes. With respect to third-party software provided by the customer, such as the underlying operating system or database software that is external to the product, it is the customer's responsibility to ensure this software is compliant with the DST-regulation changes.

Additional DST guidelines

If you are using a version of CONTROL-M that provides time zone support, BMC Software recommends that you check the relevant sections of the product administration guide for the Daylight Saving Time clock change procedures, in addition to performing the instructions specified earlier in this technical bulletin. They explain in detail what actions should be taken (if any) when the clock is advanced forward or moved backward due to Daylight Saving Time changes.

To view product documentation, click the following link
http://www.bmc.com/support/hou_Support_AZ_List/#C.

Where to get the latest product information

To view the latest BMC documents, see the Customer Support website at http://www.bmc.com/support_home. 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.

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