

Control-M

October 31, 2019

Important Control-M information for year-end 2019

BMC is alerting all users of Control-M products to special year-end procedures. If you have any questions about this technical bulletin, contact BMC Customer Support at 800 537 1813 (United States or Canada) or call your local support center.

This technical bulletin discusses the following topics:

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Creating new calendars

For each Control-M regular and periodic calendar at your site, ensure that entries exist for both 2020 and 2021. Create them if they do not exist. The entries can be either real or dummy entries that contain at least one day set to **Y**. These entries are required for the following reasons:

- At the end of 2019, Control-M products might attempt to read calendar entries for 2020.
- During 2020, Control-M products might attempt to read the calendar entries for 2021.

BMC recommends that you complete any necessary modifications before the beginning of 2020.

Retaining 2019 calendar definitions

BMC recommends retaining your 2019 calendar entries until mid-2020 or later. At the beginning of 2020, Control-M products might attempt to read entries for 2019.

Handling of periodic calendars

At the beginning of 2020, jobs might be scheduled incorrectly if you use periodic calendars. For example, if a calendar contains one or more periods that cross a boundary year (starting in one year and continuing in the next year), the job definition cannot assume that the beginning of the period coincides with the beginning of the year. To avoid this problem, remove the 2019 periodic calendar entry as soon as it is no longer needed.

NOTE: This issue refers to periodic calendars and does not conflict with the issue discussed in [Retaining 2019 calendar definitions](#).

Customizing hard-coded dates

Jobs might be scheduled incorrectly if specific dates are defined in job definitions. Hard-coded dates that are applicable to 2019 might not be appropriate in 2020.

For example, a job that is defined with a specific day and month but without a specific year (such as the seventh day of the tenth month) was meant for 2019. You might need to modify the date to 2020.

Review these definitions so that they will work correctly in 2020.

Customizing Control-M variables

If you created any Control-M variables for 2019, review them to see if they need to be modified for 2020.

Preventing deletion of conditions with date 0101

Some sites use static prerequisite conditions that are not date-related (for example, SERVER-IS-UP). Early versions of Control-M products used the date 0101 to indicate these static conditions. Therefore, you must not erase conditions with a date of 0101 because they are intended to be static.

Set the Ignore New Day Conditions parameter to **Y**, and insert a list of condition prefixes that are not to be erased in the Ignore Conditions file. Conditions with a date of 0101 that are not in the Ignore Conditions file are deleted at the beginning of the year.

NOTE: Because condition dates do not include a specific year designation, the preceding definitions will delete all conditions in the active environment for n days after the new year.

For more information about the Ignore Conditions file and the New Day procedure, see the [Control-M Administrator Guide](#).

Performing daily maintenance tasks for deletion of old conditions

Ensure that the maintenance job that you use to delete old conditions from the active environment does not contain hard-coded dates such as these:

```
%%A = %%CALCDATE %%DATE -X  
ctmcontb -deletefrom "*" 0101 %%A
```

You can also delete multiple conditions from the Control-M client.

Daylight Savings Time support

For jobs that have job time zone support and run at locations that use Daylight Saving Time, update the Daylight Savings Time dates in the **TimeZone.dat** file in the relevant Control-M/Servers and Control-M/Enterprise Manager full installations.

For more details about Daylight Savings Time support, see the [Control-M Administrator Guide](#).

Where to get the latest product information

To view the latest BMC documents, see the Support Central 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 Support Central website.

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Server Endpoint Licensing

All machines upon which any Control-M component is installed or upon which Control-M managed workload runs must be licensed. This includes Control-M Agent platforms onto which one or more application plug-ins are installed but also includes Control-M Agent platforms where no application plug-ins are installed.

The licensing guidelines for application plug-ins are as follows:

- ERP and BI/DI: The application server(s) upon which Control-M managed processes are executed should be licensed in addition to the Control-M Agent machine(s) (in some cases, this may be the same machine).
- Databases: Each database server upon which Control-M managed database related processes are being executed should be counted in addition to the Control-M Agent machine(s).
- AFT and MFT: Only the machine(s) upon which the AFT or MFT plug-in is installed should be licensed.
- Web Services, Java & Messaging: Only the Control-M Agent machine(s) upon which the plug-in is installed should be licensed.
- Backup: The Control-M Agent machine(s) where the Backup plug-in is installed and also the hosts which are running the backup server software should be licensed (note that this excludes the client machines for which the Backup Server software is managing actual backup processes except where a backup takes place of the backup server machine itself).
- Cloud: Only the Control-M Agent machine(s) upon which the plug-in is installed should be licensed.
- Hadoop: All machines in each managed Hadoop Cluster should be licensed.

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