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Control-M/Server PACTV.9.0.21.308

BMC Software is releasing Control-M/Server patch PACTV.9.0.21.308, which corrects the following problems in Control-M/Server on Linux and Windows.

Important

- Verify that Control-M/Server 9.0.21.300 and Control-M/Server PACTV.9.0.21.302 ([/xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-302/](#)) are installed before you install this patch. PACTV.9.0.21.305 ([/xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-305/](#)) and PACTV.9.0.21.306 ([/xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-306/](#)) are included and you do not need to install them before you install this patch.
- If your Control-M/Server is installed on Linux with an Oracle database or Windows with an MSSQL database, verify that patch PACTV.9.0.21.307 ([/xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-307/](#)) is installed before you install this patch.
- The installation and uninstallation processes shut down your Control-M/Server components, install the patch, and then restart the components.

Corrected Problems

The following table describes the problems that are corrected in Control-M/Server PACTV.9.0.21.308.

Tracking Number	Patch	Description
CTM-12884	PACTV.9.0.21.308	A job remains in Executing status for five minutes, which delays post-processing, if this job performs an if-action that is defined to force a different job to execute, regardless of the scheduling criteria (Run Job and Ignore Scheduling Criteria) and the Server attribute is set to a local Control-M/Server where this job is not defined.
CTM-13578	PACTV.9.0.21.308	Jobs that are defined with a Run Job and Ignore Scheduling Criteria if-action might force the target job more than once, even though that job has already started execution.
CTM-13479	PACTV.9.0.21.308	An information disclosure vulnerability appears in Control-M/Server when you use Control-M Automation API.
CTM-13658	PACTV.9.0.21.308	An injection vulnerability appears in Control-M/Server when you use Control-M Automation API.
CTM-13506	PACTV.9.0.21.308	Some jobs appear in the ctmlog as disappeared even though they have successfully completed executing on the Agent.
CTM-11713	PACTV.9.0.21.308	Control-M/Server fails to order jobs because the CMR_CAPTURE_DEFS table is not properly cleared during the New Day procedure. The following error appears in the CE log: 815_00:00:13.026, "Operation Primary failed (retry 0)", [WARNING], T@119, T:ctm.ActiveMgr.119, , , com.bmc.ctms.kernel.KeepTrying, KeepTrying::execute, "java.lang.reflect.InvocationTargetException ... Caused by: com.microsoft.sqlserver.jdbc.SQLServerException: Violation of PRIMARY KEY constraint 'CMR_CAPTURE_DEFS_PK'. Cannot insert duplicate key in object 'dbo.CMR_CAPTURE_DEFS'. The duplicate key value is (249446, 1). at com.microsoft.sqlserver.jdbc.SQLServerException.makeFromDatabaseError(SQLServerException.java:216)
CTM-13029	PACTV.9.0.21.306	SMART folder and regular folder orders that are initiated by job If-Actions are incorrectly ignored when the %%INTO_TABLE_ORDERID system variable value is LEGACY and the Unique Flow option is selected.
CTM-13074	PACTV.9.0.21.306	Jobs fail to execute and appear to wait for a Control resource even though the resource is available when the job definitions contain a %%NODEID system variable. The following error message appears in the CE process log: 0625_16:33:25.568, "Job (10/0000a) - Job's original nodeid <NODEID> has been replaced to <NODEID>, as a result of %%NODEID. Sent back to wet check", [FINER], T@3017, T:ctm.Selector.IO.3017, "SL Job (10/0000a)", , com.bmc.ctms.selector.entity.Submit, Submit::doSubmit, ,

CTM-13163	PACTV.9.0.21.306	Cyclic jobs in a SMART folder, whose Keep folder for scheduling attribute checkbox is selected, fail to execute after the New Day procedure when the RUN_CYCLIC_AFTER_NEW_DAY_OLD_MODE Control-M/Server configuration parameter is set to Y .
CTM-13237	PACTV.9.0.21.306	After a you activate workload policy that is defined to restrict job runs to 0 with a Between (specific date and time) date type, jobs wait indefinitely with a job status of Wait Workload outside of the defined time frame. The following message appears in the Output tab: Job <Job_Name> is waiting for the workload policy jobs limit to be allowed.
CTM-12762	PACTV.9.0.21.306	Control-M/Server fails to run (order) jobs when they include an auto-edit variable value that contains an ' (apostrophe).
CTM-2822	PACTV.9.0.21.305	Workload Policies incorrectly remain active when they are outside of their defined active time range.
CTM-10074	PACTV.9.0.21.305	Jobs that are submitted for execution through a Network Load Balancer Router might remain in Pre-Execution status for a long period of time.
CTM-11858	PACTV.9.0.21.305	Jobs that use LIBMEMSYM variable lists are submitted without variables.
CTM-12024	PACTV.9.0.21.305	Control-M/Server incorrectly interprets newlines as four characters long, instead of one, in if-action email notification body text. If the body of an email contains x newlines + y characters , this is interpreted as 4x newline characters + y characters , and the maximum 4,000-character limit is quickly exceeded. This causes the New Day procedure to freeze at the download stage when you order the job. The following error appears in the Control-M/EM Gateway log: ERROR: value too long for type character varying(4000).
CTM-12080	PACTV.9.0.21.305	A job that is ordered by an If-Action set to Run Job and Ignore Scheduling Criteria , and runs on the same Control-M/Server as the original job, is ordered into the wrong folder when the %%INTO_TABLE_ORDERID variable of the action is set to LEGACY .
CTM-12231	PACTV.9.0.21.305	The <code>ctmvar</code> (https://documents.bmc.com/supportu/9.0.22/en-US/Documentation/Utilities/ctmvar.htm) utility fails to create a new variable when it temporarily fails to add an entry in <code>CMR_DBLOG</code> database table.
CTM-12512	PACTV.9.0.21.305	The job order is delayed when the job was ordered via a different job what-if action order on a remote Control-M/Server and the name of this job contains one or more spaces..
CTM-12677	PACTV.9.0.21.305	Order requests, such as <code>ctmorder</code> (https://documents.bmc.com/supportu/9.0.22/en-US/Documentation/Utilities/ctmorder.htm) , <code>ctmudly</code> (https://documents.bmc.com/supportu/9.0.22/en-US/Documentation/Utilities/ctmudly.htm) , and <code>ctmudchk</code> (https://documents.bmc.com/supportu/9.0.22/en-US/Documentation/Utilities/ctmudchk.htm) , that are executed via CLI on the Control-M/Server host, via Control-M Web, or internally on in Control-M/Server as part of the New Day procedure might never complete, even though all jobs are ordered. This might occur when there is an unexpected issue with Kafka.

Installing Control-M/Server Patch PACTV.9.0.21.308 on Linux

This procedure describes how to install Control-M/Server patch PACTV.9.0.21.308 on Linux.

Important

- You must install this patch on every host where Control-M/Server is installed.
- In a High Availability environment, you must install this patch on active and non-active hosts.

Before You Begin

- Verify that Control-M/Server 9.0.21.300 and Control-M/Server PACTV.9.0.21.302 ([/xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-302/](https://xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-302/)) are installed before you install this patch.
- If your Control-M/Server is installed on Linux with an Oracle database or Windows with an MSSQL database, verify that patch PACTV.9.0.21.307 ([/xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-307/](https://xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-307/)) is installed before you install this patch.

Begin

1. Download the installation package from Control-M/Server 9.0.21 Patches (https://webepd.bmc.com/edownloads/ddl/cv/PTCH/122988/439068?ftk_=VTH1iwPCxfU%3D) .
2. Log in to the account where Control-M/Server is installed and copy the installation package to a temporary directory on your local hard drive (not a network drive).
3. Run the following command to extract the package:
unzip PACTV.9.0.21.308.zip
4. In a High Availability environment, stop the Control-M/Server Configuration Agent on the non-active environment to avoid automatic failover.
5. Navigate to the following directory:
<Extracted_Directory>/PACTV.9.0.21.308
6. Do one of the following:
 - **Interactive Installation:** Run the following command:
./install_patch.sh
The installation file shuts down your Control-M/Server components, installs the patch, and restarts the components.
 - **Automatic Installation:** Run the following command:
./install_patch.sh -s
The installation file shuts down your Control-M/Server components, installs the patch, and restarts the components.
7. Follow the on-screen instructions until the installation is complete.
The installation file shuts down your Control-M/Server components, installs the patch, and restarts the components.
8. In a High Availability environment, do the following:
 - a. Verify that the Control-M/Server Configuration Agent on the non-active environment is up after the installation completes.
 - b. Repeat the entire procedure on the non-active environment.

Installing Control-M/Server Patch PACTV.9.0.21.308 on Windows

This procedure describes how to install Control-M/Server patch PACTV.9.0.21.308 on Windows.

Important

- You must install this patch on every host where Control-M/Server is installed.
- In a High Availability environment, you must install this patch on active and non-active hosts.

Before You Begin

- Verify that Control-M/Server 9.0.21.300 and Control-M/Server PACTV.9.0.21.302 ([/xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-302/](#)) are installed before you install this patch.
- If your Control-M/Server is installed on Linux with an Oracle database or Windows with an MSSQL database, verify that patch PACTV.9.0.21.307 ([/xwiki/bin/view/Control-M-Orchestration/Control-M/ctm9021/Patches/Control-M-Server-PACTV-9-0-21-307/](#)) is installed before you install this patch.

Begin

1. Download the installation package from Control-M/Server 9.0.21 Patches (https://webepd.bmc.com/edownloads/ddl/cv/PTCH/122988/439068?ftk_=VTH1iwPCxfU%3D) .
2. Log in to the account where Control-M/Server is installed, copy the installation package to a temporary directory on your local hard drive (not a network drive), and then extract the package.
3. In a High Availability environment, stop the Control-M/Server Configuration Agent on the non-active environment to avoid automatic failover.
4. Navigate to the following directory:
<Extracted_Directory>/PACTV.9.0.21.308
5. From the temporary directory, do one of the following:
 - **Interactive Installation:** Run the following command:
install_patch.bat
The installation file shuts down your Control-M/Server components, installs the patch, and restarts the components.
 - **Automatic Installation:** Run the following command:
install_patch.bat -s
The installation file shuts down your Control-M/Server components, installs the patch, and restarts the components.
6. Follow the on-screen instructions until the installation is complete.
The installation file shuts down your Control-M/Server components, installs the patch, and restarts the components.
7. In a High Availability environment, do the following:
 - a. Verify that the Control-M/Server Configuration Agent on the non-active environment is up after the installation completes.
 - b. Repeat the entire procedure on the non-active environment.

Uninstalling Control-M/Server Patch PACTV.9.0.21.308 from Linux

This procedure describes how to uninstall Control-M/Server patch PACTV.9.0.21.308 from Linux.

Important

- In a High Availability environment, you must uninstall this patch from active and non-active hosts.

Begin

1. Log in to the account where Control-M/Server is installed.
2. In a High Availability environment, stop the Control-M/Server Configuration Agent on the non-active environment to avoid automatic failover.
3. Navigate to the following directory:
<Control-M/Server_Home>/patches/PACTV.9.0.21.308
4. Run the following command:
./uninstall_patch.sh
The uninstall file shuts down your Control-M/Server components, uninstalls the patch, and restarts the components.
5. In a High Availability environment, run the following command on the non-active environment:
./uninstall_patch.sh
The uninstall file shuts down your Control-M/Server components, uninstalls the patch, and restarts the components.
Verify that the Control-M/Server Configuration Agent on the non-active environment is up after the uninstallation completes.

Uninstalling the Control-M/Server Patch PACTV.9.0.21.308 from Windows

This procedure describes how to uninstall Control-M/Server patch PACTV.9.0.21.308 from Windows.

i Important

In a High Availability environment, you must uninstall this patch from active and non-active hosts.

Begin

1. Log in to the account where Control-M/Server is installed.
2. In a High Availability environment, stop the Control-M/Server Configuration Agent on the non-active environment to avoid automatic failover.
3. Navigate to the following directory:
<Control-M/Server_Home>\patches\PACTV.9.0.21.308
4. Run the following command:
uninstall_patch.bat
The uninstall file shuts down your Control-M/Server components, uninstalls the patch, and restarts the components.
5. In a High Availability environment, run the following command on the non-active environment:
uninstall_patch.bat
The uninstall file shuts down your Control-M/Server components, uninstalls the patch, and restarts the components.
Verify that the Control-M/Server Configuration Agent on the non-active environment is up after the uninstallation completes.

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