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Introduction to Control-M Application Integrator

Release Notes

BMC Software is releasing version 8.0.00 fix pack 1 of Control-M/Control-M Application Integrator. 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 Workload Automation manuals.

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=KA428917.

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/Application Integrator enhancements

The following table describes Control-M/ Application Integrator enhancements for version 8.0.00 fix pack 1.

<table>
<thead>
<tr>
<th>Tracking #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAR00051630</td>
<td>Application Integrator designer now supports editing SOAP requests.</td>
</tr>
<tr>
<td>CAR00051606</td>
<td>Application Integrator allows now to choose whether to show execution step output/response in the Job output</td>
</tr>
<tr>
<td>CAR00052206</td>
<td>Application Integrator diagnostics level can be configured via the Application Integrator designer settings</td>
</tr>
</tbody>
</table>
Control-M/Application Integrator corrected problems

The following table describes the problems that were reported in earlier releases of Control-M/Application Integrator and have been corrected. The list of corrected problems is also available at https://kb.bmc.com/infocenter/index?page=content&id=KA428918.

<table>
<thead>
<tr>
<th>Tracking #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAR00051569</td>
<td>Log out operation is displayed in the Audit report after a period of time.</td>
</tr>
<tr>
<td>CAR00051598</td>
<td>(Web Services) Web Services parameters are sent although were unchecked in the job type definition in the Web UI.</td>
</tr>
<tr>
<td>CAR00051599</td>
<td>(Web Services) WSDL attributes do not appear in the SOAP request parameters tree view.</td>
</tr>
<tr>
<td>CAR00051607</td>
<td>When the Application Integrator is disconnected from Control-M/EM Server, a confirmation message should appear directing the user to reconnect.</td>
</tr>
<tr>
<td>CAR00051615</td>
<td>In some scenarios, job types were deleted during deployment of another job type.</td>
</tr>
<tr>
<td>CAR00051629</td>
<td>(Web Services) A SOAP request without any parameters does not pass validation even though it is valid.</td>
</tr>
<tr>
<td>CAR00051631</td>
<td>(Web Services) Validation - {{parameter}} cannot be specified as part of a value.</td>
</tr>
<tr>
<td>CAR00051633</td>
<td>(Web Services) WSDL files including import elements (wsd:import/xsd:import) failed to import into the Application Integrator Web Designer.</td>
</tr>
<tr>
<td>CAR00051760</td>
<td>(Web Services) In some scenarios, a job type with a WSDL failed to import into the Application Integrator.</td>
</tr>
<tr>
<td>CAR00051829</td>
<td>(Web Services) WSDL elements with no content are not shown in UI.</td>
</tr>
<tr>
<td>CAR00051830</td>
<td>When adding a parameter, prefix &amp; suffix values are truncated in the Format section.</td>
</tr>
<tr>
<td>CAR00051831</td>
<td>The Verification step is not working correctly and continually hangs in some scenarios.</td>
</tr>
<tr>
<td>Tracking #</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>CAR00051832</td>
<td>On handling output extraction, when looking for a part of a word, a wrong</td>
</tr>
<tr>
<td></td>
<td>value is extracted.</td>
</tr>
<tr>
<td>CAR00051838</td>
<td>(Web Service) Support for Proxy Server on the Application Integrator server.</td>
</tr>
<tr>
<td>CAR00051872</td>
<td>(Web Service) Support non-absolute URI namespace in WSDL namespace.</td>
</tr>
<tr>
<td>CAR00051863</td>
<td>Login to Application Integrator fails in case EM Server is running with non-</td>
</tr>
<tr>
<td></td>
<td>default named context (-name &lt;context&gt;).</td>
</tr>
<tr>
<td>CAR00051864</td>
<td>(Command Line) In the Return Code Handling, allow a job success with other</td>
</tr>
<tr>
<td></td>
<td>than the default exit code</td>
</tr>
<tr>
<td>CAR00051927</td>
<td>ctmgetcm - version for Application Integrator module should be the same (AN</td>
</tr>
<tr>
<td></td>
<td>Y) for both Windows and UNIX.</td>
</tr>
<tr>
<td>CAR00051865</td>
<td>Application Integrator Server logs are now located under &lt;EM_HOME&gt;/log path,</td>
</tr>
<tr>
<td></td>
<td>instead of webapps/aisrv/logs path.</td>
</tr>
<tr>
<td>CAR00051886</td>
<td>Reserved Plugin ID names for native application plug-ins (such as SAP, DATA</td>
</tr>
<tr>
<td></td>
<td>BASE, etc.) are now blocked in Application Integrator designer.</td>
</tr>
<tr>
<td>CAR00051613</td>
<td>After redeploying a job type, connection profile dialog is automatically</td>
</tr>
<tr>
<td></td>
<td>updated (no need to restart CCM).</td>
</tr>
<tr>
<td>CAR00052151</td>
<td>Support log in to Application Integrator with LDAP user (when EM server</td>
</tr>
<tr>
<td></td>
<td>configured with LDAP).</td>
</tr>
<tr>
<td>QM001881356</td>
<td>Cannot edit deployed Application Integrator job type connection profile</td>
</tr>
<tr>
<td></td>
<td>when it includes a password field and password value is left empty.</td>
</tr>
<tr>
<td>CAR00052155</td>
<td>Application Integrator application plug-in component in the CCM can now</td>
</tr>
<tr>
<td></td>
<td>display list of deployed job types for this application plug-in.</td>
</tr>
<tr>
<td>CAR00052092</td>
<td>After installing Patch 001, step standard output is not shown in CLI-based</td>
</tr>
<tr>
<td></td>
<td>job types that were deployed prior to patch installation.</td>
</tr>
<tr>
<td>CAR00052094</td>
<td>Workload Automation client &amp; WCM – Application Integrator job synopsis</td>
</tr>
<tr>
<td></td>
<td>view in monitoring displays a different selection than the real drop-down</td>
</tr>
<tr>
<td></td>
<td>list control selection.</td>
</tr>
<tr>
<td>Tracking #</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>CAR00052095</td>
<td>Workload Automation client &amp; WCM - In Application Integrator job properties, when changing focus from drop down list control, selection returns to default value</td>
</tr>
<tr>
<td>CAR00052207</td>
<td>Job Type Details - Support Team email Top Level Domain extension can be longer than 3 characters.</td>
</tr>
<tr>
<td>CAR00052204</td>
<td>Monitoring Domain - Runtime Parameter value is displayed in Synopsis View, but not shown in the Job Properties dialog view</td>
</tr>
<tr>
<td>CAR00052217</td>
<td>Load Operation - When command/WS contains parameters from another Job Properties control, the parameter value is not resolved.</td>
</tr>
</tbody>
</table>
Control-M Application Integrator compatibility

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

- Control-M Application Integrator compatibility with Windows (on page 7)
- Control-M Application Integrator compatibility with UNIX (on page 8)
- Control-M Application Integrator compatibility with Control-M components (on page 9)
- Control-M Application Integrator web application compatibility with browsers (on page 9)

Control-M Application Integrator compatibility with Windows

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

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Bits</th>
<th>Compatible Processors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows Vista Enterprise Edition</td>
<td>32</td>
<td>x86</td>
</tr>
<tr>
<td>Windows Vista Business Edition</td>
<td>64</td>
<td>x86_64</td>
</tr>
<tr>
<td>Windows Vista Ultimate Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 7 Enterprise Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 7 Professional Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 7 Ultimate Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 8 Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 8 Professional Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 8 Enterprise Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows Server 2008 Standard Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows Server 2008 Enterprise Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows Server 2008 R2 Standard Edition</td>
<td>64</td>
<td>x86_64</td>
</tr>
<tr>
<td>Windows Server 2008 R2 Enterprise Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows Server 2012 Standard Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows Server 2012 Datacenter Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows Server 2012 R2 Datacenter Edition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows Server 2012 R2 Standard Edition</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Control-M Application Integrator compatibility with UNIX

The following table lists the supported UNIX operating systems for Control-M Application Integrator version 8.0.00.100:

<table>
<thead>
<tr>
<th>Operating system</th>
<th>Version</th>
<th>Bits</th>
<th>Compatible processors</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIX®</td>
<td>7.1</td>
<td>64</td>
<td>Power</td>
</tr>
<tr>
<td></td>
<td>6.1</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5.3</td>
<td>64</td>
<td></td>
</tr>
<tr>
<td>HP-UX</td>
<td>11.23</td>
<td>64</td>
<td>Itanium 64</td>
</tr>
<tr>
<td></td>
<td>11.31</td>
<td>64</td>
<td>Itanium 64</td>
</tr>
<tr>
<td>Oracle Solaris</td>
<td>11</td>
<td>64</td>
<td>SPARC</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Server</td>
<td>7 *</td>
<td>64</td>
<td>x86_64</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CentOS Linux</td>
<td>6</td>
<td>64</td>
<td>x86_64</td>
</tr>
<tr>
<td>SUSE Linux Enterprise Server</td>
<td>12 *</td>
<td>64</td>
<td>x86_64</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oracle Enterprise Linux Server</td>
<td>6</td>
<td></td>
<td>x86_64</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*NOTE:* Red Hat 7 and SUSE 12 require Control-M/Agent version 8.0.00.400 or later.
Control-M Application Integrator 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 Application Integrator.

<table>
<thead>
<tr>
<th>Platform</th>
<th>Versions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control-M/EM</td>
<td>8.0.00 Fix Pack 7 or later</td>
</tr>
<tr>
<td>Control-M/Server for UNIX and Windows</td>
<td>8.0.00 Fix Pack 2 or later</td>
</tr>
<tr>
<td>Control-M/Agent for UNIX and Windows</td>
<td>8.0.00 or later</td>
</tr>
</tbody>
</table>

**NOTE:** For Linux OS – Agent should run as 64bit only

Control-M Application Integrator web application compatibility with browsers

The following table describes the web browser versions that are compatible with Control-M Application Integrator web application.

<table>
<thead>
<tr>
<th>Platform</th>
<th>Versions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome</td>
<td>20 or later</td>
</tr>
<tr>
<td>FireFox</td>
<td>25 or later</td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>10 or later</td>
</tr>
</tbody>
</table>

**NOTE:** For Internet Explorer, from the **Tools** menu, click **Compatibility View Settings** dialog box and uncheck the **Display intranet site in Compatibility view**.
Product Distribution

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

- Obtaining installation files through EPD (on page 12)
- Obtaining installation files using FTP (on page 13)
- Obtaining installation file through the BMC sales representative (on page 13)

Obtaining installation files through EPD

This procedure describes how to obtain the Control-M Application Integrator 8.0.00 installation files through EPD. To obtain Control-M/Enterprise Manager 8.0.00 Fix Pack 7 which includes the Application Integrator Web designer, please refer to Control-M/Enterprise Manager 8.0.00 Fix Pack 7 Release Notes.

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 Products page.
2. Log in as a Control-M/EM user and create a temporary directory (for example, TEMP_INST_DIR).
3. Download the relevant installation file according to your Operating System platform into the temporary directory that you created, and do the following:
   - **UNIX**:
     - Download the `PAAIT.8.0.00.100_<platform>.tar.Z` file
     - Decompress the file using the following command (or any similar command according to your UNIX platform):
       ```
       uncompress PAAIT.8.0.00.100_<platform>.tar.Z
       ```
     - Extract the .tar file using the relevant UNIX command (according to your UNIX platform)
     - Navigate to the temporary directory you created and run the following command to ensure that the installation files have the necessary authorizations:
       ```
       chmod +x *
       ```
   - **Windows**:
     - Download the `PAAIT.8.0.00.100_<Windows_platform>.zip` file
     - Extract the .zip file
Obtaining installation files using FTP

This procedure describes how to obtain the Control-M Application Integrator 8.0.00.100 installation files using FTP.

➢ To obtain installation files using FTP:

1. Navigate to the following location:
   ftp://ftp.bmc.com/pub/control-m/opensystem/CONTROL-M_Application_Integrator/8.0.00/PAAIT.8.0.00.100/

2. Download the following installation files to a temporary directory:
   - For UNIX:
     • PAAIT.8.0.00.100_unix.tar.Z
     • PAAIT.8.0.00.100_EM.tar.Z
   - For Windows:
     • PAAIT.8.0.00.100_windows.zip
     • PAAIT.8.0.00.100_EM.exe

3. For UNIX only, type the following command for the installation file to ensure that the fix pack installation has the necessary authorizations:
   chmod +x PAAIT.8.0.00.100_unix.tar.Z

Obtaining installation files through the BMC sales representative

This procedure describes how to obtain the Control-M Application Integrator 8.0.00 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/
Installation

The Application Integrator consists of the following parts:

- An application plug-in engine, which is installed on Control-M/Agent
- A web designer and web UI plugins, which are installed on Control-M/EM Server
- UI plugins, which are installed on Control-M Workload Automation Client machine

For complete installation of Application Integrator 8.0.00.100, you need to perform installation:

- On every Control-M/Agent that is targeted to run Application Integrator job types and already have Application Integrator 8.0.00 installed on.
- On Control-M/EM Server (version 8.0.00.700)
- Every Control-M Workload Automation Client machine (version 8.0.00.700)
  
  **NOTE:** For versions later than 8.0.00.700, the fix pack is automatically installed on Control-M/EM Server and Client.

Installing Application Integrator plug-in 8.0.00.100 on Control-M/Agent

The following procedures describe how to install and uninstall the Application Integrator application plug-in fix pack 8.0.00.100 on Control-M/Agent:

- **Setting environment variables in UNIX** (on page 13): Describes how to set environment variables in UNIX.
- **Installing Control-M Application Integrator on Control-M/Agent on UNIX** (on page 13): Describes how to install Control-M Application Integrator application plug-in engine on Control-M/Agent on UNIX via an interactive and automatic installation.
- **Installing Control-M Application Integrator on Control-M/Agent on Windows** (on page 14): Describes how to install Control-M Application Integrator application plug-in engine on Control-M/Agent on Windows via an interactive and automatic installation.
- **Control-M Application Integrator Uninstall** (on page 15): Describes how to uninstall Control-M Application Integrator application plug-in engine.
Setting environment variables in UNIX

This procedure describes how to set environment variables in UNIX, which enables you to see messages from the console.

To set environment variables in UNIX:

- Do one of the following:
  - If you use `csh` or `tcsh`, use the following syntax:
    ```
    setenv <envVar> <value>
    ```
    **EXAMPLE:** `setenv DISPLAY myhost:0.0`
  - If you use `sh` or `ksh`, use the following syntax:
    ```
    <envVar>=<value>
    export <envVar>
    ```
    **EXAMPLE:**
    ```
    DISPLAY=myhost:0.0
    export DISPLAY
    ```

<envVar> is the name of the environment variable.
<value> is the value assigned to the environment variable.

Installing Control-M Application Integrator on Control-M/Agent on UNIX

This procedure describes how to install Control-M Application Integrator application plug-in engine on Control-M/Agent on UNIX interactively or automatically. If you want to install multiple instances of Control-M Application Integrator on several computers using the same configuration, use the automatic installation, as described in this procedure.

**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, BMC recommends that you continue with the console installation or perform an automatic installation.

Before You Begin

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

To install Control-M Application Integrator on Control-M/Agent on UNIX:

1. Log in as the Control-M/Agent user, and stop the Control-M/Agent by typing the following command:
   ```
   $CONTROLM/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 as a root user:

\texttt{/usr/sbin/slibclean}

2. Stop Control-M Application Integrator by typing the following command:

\texttt{cm\_container\ stop}

3. Create a temporary directory. For Example:

\texttt{/tmp/PAAIT.8.0.00.100}

4. Extract the downloaded .tar file, from one of the options referred to in Product distribution on page 2. into the temporary directory by typing the following command

\texttt{zcat PAAIT.8.0.00.100\_unix.tar.Z | tar -xvf -}

5. Use one of the following modes:

- \texttt{Display}: If you install using GUI (or XServer), set your \texttt{DISPLAY} environment variable, as described in Setting environment variables in UNIX (on page 13).
- \texttt{Console}: It is not necessary to set \texttt{DISPLAY}.

6. From the the temporary directory, activate the installation script with the following command:

\texttt{<source\_path>/\ setup.sh}

7. Log out of the Control-M/Agent account.

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

\texttt{$\text{CONTROLM}/\ scripts/\ start-ag \-u \ <agentUser> \ -p \ all}

Control-M Application Integrator 8.0.00.100 plugin has now been installed on your Control-M/Agent on UNIX.

### Installing Control-M Application Integrator on Control-M/Agent on Windows

This procedure describes how to install Control-M Application Integrator application plug-in engine on Control-M/Agent on Windows.

If you want to install multiple instances of Control-M Application Integrator on several computers using the same configuration, use the automatic installation, as described in this procedure.

#### Before You Begin

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

- **To install Control-M Application Integrator on Control-M/Agent on Windows:**

1. Log in to the computer as a user who has Administrator authorization.
2. Create a temporary directory on your local hard drive (not a network drive). For Example:
   `<Control-M/Agent>PAAIT.8.0.00.100`.

3. Download and extract **PAAIT.8.0.00.100_windows.zip** from one of the options referred to in Product distribution on page 2 to the temporary directory created in step 2.

4. Run one of the following installation files (based on your Agent installation mode):
   - PAAIT.8.0.00.100_windows.exe
   - PAAIT.8.0.00.100_windows_x86_64.exe
   and follow the installation instructions.

Control-M Application Integrator 8.0.00.100 plugin has now been installed on your Control-M/Agent on Windows.

Installing Application Integrator Web Designer and UI plugins on Control-M/EM

After you have installed Control-M Application Integrator on the Control-M/Agent, you must install Control-M Application Integrator plug-in on the Control-M/EM client computers and Control-M/EM Server computer.

These procedures must be performed on every computer that has Control-M/EM client or Control-M/EM Server components installed.

The following procedures describe how to install and uninstall the Application Integrator Web Designer and UI plug-ins on Control-M/Workload Automation Server and Client.

- **Installing Control-M Application Integrator Web Designer and UI plugins on Control-M/EM on UNIX** (on page 15): Describes how to install Control-M Application Integrator web designer, and SLS + WCM UI plugins on Control-M/Workload Automation Server on UNIX.


Installing on Control-M/EM on UNIX

This procedure describes how to install Control-M Application Integrator Web Designer and UI plug-ins on Control-M/Workload Automation Server on UNIX interactively or automatically.

**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, BMC recommends that you continue with the console installation or perform an automatic installation.

**Before you begin**

Ensure that Control-M Application Integrator LPAIT.8.0.00.100 DVD is mounted or accessible through your network.
To install the Control-M Application Integrator UI plug-ins on Control-M/EM on UNIX:

1. Log in as the Control-M/EM user.
2. Use one of the following modes:
   - **Display**: If you install using the GUI (or XServer), set your `DISPLAY` environment variable, according to your computer name, as described in Setting environment variables in UNIX (on page 13).
     
     For csh or tcsh shell users: `setenv DISPLAY <your computer name>:0.0`
   - **Console**: It is not necessary to set `DISPLAY`.
3. Extract the `PAAIT.8.0.00.100_EM.tar.Z` files into a temporary directory and copy to the target host
4. Log out of any opened web browser session managing Control-M Application Integrator job types
5. In the Control-M Configuration Manager, stop the Web Server component
6. Run the following command:
   
   `<temporary_directory>/EM/setup.sh`

   and follow the on screen instructions
7. In the Control-M Configuration Manager, start the Web Server Component.
8. Before logging in to Control-M Application Integrator, clear the cache on any of the following web browsers, which was used to manage Application Integrator job types:

   - **Internet Explorer**: Do the following:
     b. The **Delete Browsing History** window appears.
     c. Select **Temporary internet files and website files** and click **Delete**.

   - **Chrome**: Do the following:
     a. Press `Ctrl+Shift+Delete`.
     b. The **Clear browsing data** window appears.
     c. Select **Cached images and files**.
     d. Click **Clear Browsing data**.

   - **Firefox**: Do the following:
     a. Press `Ctrl+Shift+Delete`.
     b. The **Clear Recent History** window appears.
     c. In the **Time range** field, from the drop-down list select **Everything**.
     d. In the **Details** area, select only **Cache**.
     e. Click **Clear Now**.

Control-M Application Integrator 8.0.00.100 Web Designer and UI plugins have now been installed on your Control-M/Enterprise Manager Server on UNIX.
Installing on Control-M/EM on Windows

This procedure describes how to install Control-M Application Integrator 8.0.00.100 Web Designer and UI plugins on Control-M/ Workload Automation Server and Client on Windows.

Before you begin

Ensure the following:

- Control-M Configuration Manager client and Control-M Workload Automation client are closed
- Log out of any opened web browser session managing Control-M Application Integrator job types

To install the Control-M Application Integrator Web Designer and UI plug-ins on Control-M/EM on Windows:

1. Log in with a user ID with administrator privileges on the specific computer.
2. Extract the `PAAIT.8.0.00.100_EM.exe` files into a temporary directory and copy to the target host
3. When the Control-M Application Integrator is installed on Control-M/EM Server, you need to:
   a. In the Control-M Configuration Manager, stop the Web Server component
4. Run the following command:
   ```
   <temporary_directory>\EM\setup.exe
   ```
   and follow the on screen instructions
5. When the Control-M Application Integrator is installed on Control-M/EM Server, you need to:
   a. In the Control-M Configuration Manager, restart the Control-M GUI Server component
   b. In the Control-M Configuration Manager, Start the Web Server Component.
6. Before logging in to Control-M Application Integrator, clear the cache on any of the following web browsers, which was used to manage Application Integrator job types:

   - **Internet Explorer**: Do the following:
     a. Press Ctrl+Shift+Delete.
     b. The **Delete Browsing History** window appears.
     c. Select **Temporary internet files and website files** and click **Delete**.

   - **Chrome**: Do the following:
     a. Press Ctrl+Shift+Delete.
     b. The **Clear browsing data** window appears.
     c. Select **Cached images and files**.
     d. Click **Clear Browsing data**.

   - **Firefox**: Do the following:
     a. Press Ctrl+Shift+Delete.
     b. The **Clear Recent History** window appears.
     c. In the **Time range** field, from the drop-down list select **Everything**.
d. In the **Details** area, select only **Cache**.
e. Click **Clear Now**.

Control-M Application Integrator 8.0.00.100 Web Designer and UI plugins have now been installed on your Control-M/Enterprise Manager Server or Client on Windows.

Uninstall Control-M Application Integrator from Control-M/Agent

The following procedures describe how to uninstall Control-M Application Integrator application plug-in engine from UNIX and Microsoft Windows:

- Uninstalling Control-M Application Integrator from UNIX (on page 18)
- Uninstalling Control-M Application Integrator from Windows (on page 19)
- Performing an automatic uninstall from Windows (on page 19)

Uninstalling Control-M Application Integrator from UNIX

This procedure describes how to uninstall Control-M Application Integrator from Control-M/Agent on UNIX.

**Before You Begin**

Verify that all jobs have ended.

➢ **To uninstall Control-M Application Integrator 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:

   ```
   $CONTROLM/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.

2. Stop Control-M Application Integrator by typing the following command:

   ```
   cm_container stop
   ```

3. Set your **DISPLAY** environment variable according to the computer name, as described in *Setting environment variables in UNIX* (on page 13).

4. Navigate to the following directory:

   ```
   <agent root dir>/ctm/fix packs/ PAAIT.8.0.00.100
   ```

5. Type the following command that resides under the PAAIT.8.0.00.100 directory:

   ```
   ./uninstall_PAAIT.8.0.00.100.sh
   ```
6. To restart Control-M/Agent, type the following command:

```
$CONTROLM/scripts/start-ag -u <agentUser> -p all
```

Control-M Application Integrator Fix Pack 1 has been successfully removed from your computer.

Uninstalling Control-M Application Integrator from Windows

This procedure describes how to uninstall Control-M Application Integrator 8.0.00.100 from Control-M/Agent on Windows.

**Before You Begin**

Verify that all jobs have ended.

➢ **To uninstall Control-M Application Integrator from Windows:**

1. From the **Start** menu, select **Settings > Control Panel**.
2. Double-click **Uninstall a program**.
3. Select **Control-M Application Integrator 8.0.00 Fix Pack 1 <Agent Name>**.
   
   **NOTE:** <Agent Name> only appears if there are 2 Agents or more.
4. Click **Uninstall**.
5. Click **OK** to continue.

Control-M Application Integrator Fix Pack 1 has been successfully removed from your computer.
Support for Control-M Application Integrator

These topics provide information about the following:

- Control-M Application Integrator Job Types Support (on page 20)
- Levels of Support (on page 20)
- Related documentation (on page 20)

Control-M Application Integrator Job Types support

Control-M Application Integrator consists of the following parts:

- A web designer which is installed with Control-M Workload Automation version 8.0.00 fix pack 7 and above.
- An application plug-in engine, which is installed separately on every Windows and UNIX Control-M/Agents that are targeted to run Application Integrator job types.

The job types that you create or download from the Control-M Application Hub are deployed through the application plug-in, which executes the commands or web service operations. BMC recommends you carefully examine which commands and operations are used in job types that you create or download from the Control-M Application Hub, to ensure proper execution of the jobs. While BMC provides support for the web designer and the application plugin of Application Integrator, BMC does not support the job types that you create or download from the Control-M Application Hub. You are solely responsible for all of the job types that you create or download from the Control-M Application Hub and their functionality.

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.