Daylight Saving Time 2007:
Reference Guide For Deploying The RIM DST
2007 Update
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Certain features outlined in this document require a minimum version of BlackBerry Enterprise Server software, BlackBerry Desktop Software, BlackBerry Device Software and/or additional RIM and/or BlackBerry software and may require additional development for access to corporate applications.
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Deploying BlackBerry Device Software for Daylight Saving Time 2007
Overview

Background

The standard dates for North American Daylight Saving Time (DST) change in March 2007.

Previously, DST began on the first Sunday in April and ended on the last Sunday in October. As of March 2007, DST will begin on the second Sunday in March and end on the first Sunday in November.


When the DST dates change in March 2007, BlackBerry® devices will not update their clocks for the affected time zones unless patches for impacted BlackBerry software and third party are applied. As a result, BlackBerry devices might not display the correct time for certain time periods during the year. Appointments and their reminders might appear 1 hour late on your BlackBerry device if the appointments start in one of the following windows in any year:

- Between the second Sunday in March and the first Sunday in April (for example, 11 March 2007 to 1 April 2007)
- Between the last Sunday in October and the first Sunday in November (for example, 28 October 2007 to 4 November 2007)

This will not impact anyone living in or traveling to Mexico as Mexico is not changing the DST start and end dates. However, it will impact any BlackBerry device users in Mexico, Latin America, Europe or Asia-Pacific who book meetings with US or Canadian-based users unless they are patched.

Resolution

Research In Motion (RIM) is providing a free software update to ensure that all BlackBerry devices continue to display the correct time. Since different BlackBerry devices require a different patch file, RIM will provide a RIM DST 2007 patch manager. Once the patch manager is installed on a BlackBerry device, it will automatically retrieve and install the appropriate patch file.
Terminology

• Application
  A software program that runs on a BlackBerry device.

• Module
  A single file needed to run an application. This is typically a .cod file. Note that applications can consist of multiple modules.

• Device Management
  A walk-through of the steps associated with configuring a software configuration to apply to target BlackBerry device users.

• RIM DST 2007 patch manager
  The first file that is downloaded onto target BlackBerry devices. The RIM DST 2007 patch manager application determines which DST update file is needed for the BlackBerry device and facilitates the download of that file.

• Pushing an application to the BlackBerry device
  The process of an administrator-initiated software installation on a BlackBerry device. This process can be used to install applications remotely, with little or no involvement by the BlackBerry device user.
Deploying the application

While BlackBerry device users can update their BlackBerry devices manually, many organizations will want to make sure that the installation is completed before the new DST comes into effect. This can be accomplished by pushing the RIM DST 2007 patch manager application to all BlackBerry devices in the organization.

The following procedures are designed to walk you through the process of creating a software configuration and applying it to the BlackBerry devices that need to be updated.

Before you start

RIM recommends that you consider the following before deploying the RIM DST 2007 patch.

• Deploying the RIM DST 2007 patch to a large number of BlackBerry devices simultaneously could impact service on your BlackBerry Enterprise Server, including delays or interruptions in data flow.

It is recommended that you deploy the RIM DST 2007 patch manager to an initial group of 100 users and record the impact upon system performance. Use that initial deployment as a benchmark to gauge the size of subsequent deployment groups.

Caution

• Many BlackBerry device users set their BlackBerry devices to turn off overnight. If the RIM DST 2007 patch is deployed during this down time, there is the potential that a large number of BlackBerry devices could attempt to install the update at the same time in the morning. For example, if you set three different batches at staggered intervals overnight while most of the BlackBerry devices are turned off, there is the potential for all those BlackBerry devices to switch on in the morning over a short period of time and attempt to update all at once.

It is recommended that you deploy the RIM DST 2007 patch during off-peak hours but not overnight.

Caution
• Downloading the RIM DST 2007 patch requires a change to the IT policy settings and the application control settings. BlackBerry devices must be allowed to download third party applications and applications must be allowed to connect to external servers for the duration of the deployment. Depending upon the number of BlackBerry devices you are updating, this could take up to 24 hours after the final group of BlackBerry devices have the software configuration applied.

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**Setting IT policies**

Many BlackBerry Enterprise Servers are configured to restrict specific traffic, to enforce internal security measures, and to apply certain BlackBerry IT policies. In order to allow your BlackBerry device users to initiate the download of the RIM DST 2007 patch themselves, you may need to temporarily set the following IT policy to **False**.

**Disallow Third Party Application Downloads**

If no restrictions are being enforced in your environment, you do not need to alter this IT policy.

This policy does not influence the use of software configurations to push the RIM DST 2007 patch.

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**Caution**

Some BlackBerry devices may not receive the RIM DST 2007 patch within 24 hours if they are turned off, out of network coverage, or otherwise unable to connect to the download servers. Consider allowing these BlackBerry devices continued access to third party downloads until they are updated, or updating them manually.

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**Note**

Allow your BlackBerry devices to download third party applications and access external servers for at least 24 hours after the last group of BlackBerry devices is configured to receive the RIM DST 2007 patch.
To increase the success of your RIM DST 2007 patch deployment, you are encouraged to test the delivery within your environment to determine if any of your current configurations need to be adjusted during the period of deployment.

If your IT policy is currently set to allow third party application downloads, you do not need to make any changes. Continue to "Setting up a Software Configuration" on page 15

The following procedures are designed to walk you through the process of configuring the required IT policy.

For BlackBerry Enterprise Server software version 4.0 for Microsoft® Exchange

1. Open BlackBerry Manager.
2. Right-click the server you want to manage and select IT Policy.
3. Select the policy that you want to edit.
4. Click Edit.
5. Find the Security Policy Group.
6. Select the Disallow third party application downloads checkbox.
7. Click False.

8. Click OK.
9. Click OK.
10. Click Yes. Once you complete this step, your changes will be sent to the BlackBerry devices over the wireless network.

This IT policy must be set for each BlackBerry Enterprise Server in the organization.

Note

For all other BlackBerry Enterprise Server software version 4.0 and all BlackBerry Enterprise Server software versions 4.1 or later

1. Open BlackBerry Manager.
2. In the Explorer view, select BlackBerry Domain.
3. Select the Global tab.
4. In the Tasks area, select Edit Properties.
5. Select IT Policy.
6. Select the policy that you would like to edit.
7. Click Properties.
9. Select Disallow third party application downloads.
10. Use the drop-down list to set this policy to False.

11. Click OK.
12. Click OK.
13. Click OK.

This IT policy must be set for each BlackBerry Enterprise Server in the organization.

Note
Setting up a Software Configuration

The following procedures are designed to walk you through the process of configuring a software configuration.

Task 1 - Obtain the .cod and .alx files
To obtain the RIM DST 2007 patch for BlackBerry devices, download the following files from www.blackberry.com/dst2007/patch/index.shtml

- net_rim_bb_timezoneotapatcher.cod
- net_rim_bb_timezoneotapatcher.alx

You should upgrade to BlackBerry Enterprise Server software version 4.0 Service Pack 5 or later before completing this procedure.

Note

Task 2 - Configure the host computer
In this task, you will choose and configure a host computer from which the RIM DST 2007 patch manager files will be shared. You will also move the .cod and .alx files to a DST Upgrade folder on the hard disk drive.

1. Choose a host computer from which the RIM DST2007 patch manager files will be shared. This can be the same computer that hosts the BlackBerry Enterprise Server.
2. Create a folder named Shared within the following folder:
   C:\Program Files\Common Files\Research In Motion\
3. Create another folder named Applications within the Shared folder. The resulting folder should look like the following:
   C:\Program Files\Common Files\Research In Motion\Shared\Applications
4. Within the Applications folder created in Step 3, create a new folder called **DST Upgrade** for the RIM DST 2007 patch manager files.

5. Place the following files in the DST Upgrade folder:
   - `net_rim_bb_timezoneotapatcher.cod`
   - `net_rim_bb_timezoneotapatcher.alx`

6. From a command prompt, type the following:
   ```
   cd C:\Program Files\Common Files\Research In Motion\Apploader
   ```

7. Press Enter.
8. Type the following:
   
   `loader.exe /index`

![Command Prompt]

9. Press **Enter**.

   For a detailed description of why you need to index your applications, and what files are created in the process, see “Indexing applications” on page 40.

   **Note**

10. Browse to the following folder:

    \C:\Program Files\Common Files\Research In Motion
11. Apply the following Sharing conditions to the folder:
   For Everyone: **Read permission**
   Share name: **Research In Motion**

![Image of folder sharing settings]

**Task 3 - Create the Software Configuration**

In this task, you will create, configure, and distribute the RIM DST 2007 patch manager wirelessly.

Once the RIM DST 2007 patch manager is installed on a BlackBerry device, it needs to connect to an external server to retrieve the appropriate patch file. If the application control policy is not set to allow external communications, the RIM DST 2007 patch manager cannot retrieve the upgrade file.

If your BlackBerry device users are using smart card authentication, you will need to set the **User Authenticator** application control policy to **Allow** in addition to the configuration explained below.
In addition, the RIM DST 2007 patch manager shouldn’t be removed by the BlackBerry device user so it should also be configured as a required application.

Depending on which version of BlackBerry Enterprise Server you are using, perform one of the following three procedures.

Note

For BlackBerry Enterprise Server software version 4.0 for Microsoft Exchange

1. Open the BlackBerry Handheld Configuration Tool.
2. Click the Configurations tab.
3. In the Tasks area, click Add New Configuration.
4. Type a **Configuration Name** and a **Configuration Description** in the corresponding fields.

5. Click **Change**.
6. In the **Handheld Software Share Location Box**, specify the location of the shared directory hosting the RIM DST 2007 patch manager files using Universal Naming Convention (UNC). The field should look similar to the following:

```
\<Host Computer Name>\Research In Motion\`
```

![Handheld Software Share Location](image)

Note: You **cannot** use a local path name (e.g. \C:\Program Files\Common Files\Research in Motion\)

7. Click **OK**.

8. A list of BlackBerry device software and applications appears. Expand **Application Software**.

9. Select the **TimezoneOtaPatcher** checkbox.
10. From the drop-down list in the Delivery column, select **Wireless**.

11. Click **Policies**.

12. Create a new Application Control Policy by clicking **New**.

13. Name the Application Control Policy.

14. Set External Network Connections to **Allowed**.

15. Set Disposition to **Required**.
16. Click **OK**.

17. Click **OK**.

18. In the TimezoneOtaPatcher application line, open the drop-down list in the Policy column, and select the Application Control Policy you just created.

19. Click **OK** to save the configuration.

20. In the Explorer view, select **Handhelds** to display the BlackBerry device user list.

21. Select the BlackBerry device users who are to receive the RIM DST 2007 patch. You can hold the **Ctrl** key on the keyboard to select multiple users.

22. In the Tasks area, expand **Common**.

23. Select **Assign Software Configuration**.

24. Select the configuration name for the RIM DST 2007 patch manager.

25. Click **OK**.

**Note:** Depending on the volume of traffic, it may take up to 24 hours for the RIM DST 2007 patch manager to be pushed to all BlackBerry devices.

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**For BlackBerry Enterprise Server software version 4.0 for IBM® Lotus® Domino® or for Novell® GroupWise®**

1. Open the **BlackBerry Manager**.

2. In the Explorer view, expand **Handheld Management**.

3. Select **Software Configurations**.

4. Click the **Configurations** tab.

5. In the Tasks area, expand **Common**.
6. Click Add New Configuration.

7. Type a Configuration Name and a Configuration Description in the corresponding fields.

8. Click Change.

9. In the Handheld Software Share Location Box, specify the location of the shared directory hosting the DST Upgrade.
files using Universal Naming Convention (UNC). The field should look similar to the following:

```\<Host Computer Name>\Research In Motion```

Note: You **cannot** use a local path name (e.g. `C:\Program Files\Common Files\Research in Motion\`).

10. Click **OK**.
11. A list of BlackBerry device software and applications appears. Expand **Application Software**.
12. Select the **TimezoneOtaPatcher** checkbox.
13. From the drop-down list in the Delivery column, select **Wireless**.

14. Click **Policies**.

15. Create a new Application Control Policy by clicking **New**.

16. Name the Application Control Policy.

17. Set External Network Connections to **Allowed**.

18. Set Disposition to **Required**.
19. Click OK.
20. Click OK.
21. In the TimezoneOtaPatcher application line, open the drop-down list in the Policy column, and select the Application Control Policy you just created.
22. Click OK to save the configuration.
23. In the Explorer view, expand Handheld Management.
24. Select Handhelds to display the BlackBerry User list.
25. Select the BlackBerry device users who are to receive the RIM DST 2007 patch. You can hold the Ctrl key on the keyboard to select multiple users.
26. In the Tasks area, expand Common.
27. Select Assign Software Configuration.
28. Select the configuration name for the RIM DST 2007 patch manager.
29. Click OK.

Note: Depending on the volume of network traffic, it may take up to 24 hours for the RIM DST 2007 patch manager to be pushed to all BlackBerry devices.

For BlackBerry Enterprise Server software version 4.1 and later (for Microsoft Exchange, IBM Lotus Domino, and Novell GroupWise)

1. Open the BlackBerry Manager.
2. In the Explorer view, select BlackBerry Domain.
3. Select the Software Configurations tab.
4. In the Tasks area, expand Common
5. Click **Add New Configuration**.

6. Type a **Configuration Name** and a **Configuration Description** in the corresponding fields.

7. Click **Change**.

8. In the **Handheld Software Share Location Box**, specify the location of the shared directory hosting the RIM DST 2007.
patch manager files using Universal Naming Convention (UNC). The field should look similar to the following:
\<Host Computer Name>\Research In Motion\n
Note: You cannot use a local path name (e.g. C:\Program Files\Common Files\Research in Motion\)

9. Click OK.

10. A list of BlackBerry Device Software and applications appears. Expand Application Software.

11. Select the TimezoneOtaPatcher checkbox.
12. From the drop-down list in the Delivery column, select Wireless.

13. Click Policies.


15. Name the Application Control Policy.

16. Set External Network Connections to Allowed.

17. Set Disposition to Required.

18. Click OK.

19. Click OK.

20. In the TimezoneOtaPatcher application line, open the drop-down list in the Policy column, and select the Application Control Policy you just created.

21. Click OK to save the configuration.

22. In the Explorer view, expand Servers.

23. Select your BlackBerry Enterprise Server.

24. Click the Users tab.
25. Select the BlackBerry device users who are to receive the RIM DST 2007 patch. You can hold the Ctrl key on the keyboard to select multiple users.

26. In the Tasks area, expand Device Management, then select Assign Software Configuration.

27. Select the configuration name for the RIM DST 2007 patch.

28. Click OK.

Note: Depending on the volume of network traffic, it may take up to 24 hours for the RIM DST 2007 patch manager to be pushed to all BlackBerry devices.
Monitoring application delivery

Once the software configuration has been created, the application is ready for delivery. The BlackBerry Enterprise Server is designed to conduct a poll of its BlackBerry devices every four hours to determine if they have all their required software. It then pushes any missing applications (e.g. Patch Manager) to the BlackBerry devices that need it.

You can monitor the polling process in the BlackBerry Policy debug log. A successful delivery will look like this:

[30000] (02/22 15:14:04):{0x838}
{ac14@DEVLABMIX.testnet.rim.net, PIN=300579F4, UserId=2}RequestHandler::HandleAPPDataCommand - Send Application to device succeeded for entryid 24.

Once the upgrade files have been installed on a BlackBerry device, it must be reset before the changes take effect. This reset could take 15 to 30 minutes to complete.
Verifying the update

Manual verification
BlackBerry device users can verify whether their BlackBerry device has been updated.

If the RIM DST 2007 patch manager is unable to download the update file after 18 hours, it will go into User Mode, allowing the BlackBerry device user to download the patch manually from the menu in Options > 2007 DST Patch.

Note

To verify the update, the BlackBerry device user can perform the following steps:

1. Click Options on the BlackBerry device.
2. Click 2007 DST Patch.

Consult the following table to determine the status of the update:

<table>
<thead>
<tr>
<th>Message</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007 DST patch applied.</td>
<td>The RIM DST 2007 patch has been installed successfully.</td>
</tr>
<tr>
<td>2007 DST patch is installed.</td>
<td>The RIM DST 2007 patch is installed on the BlackBerry device, but the user must restart the BlackBerry device by clicking Reset Handheld.</td>
</tr>
<tr>
<td>You need to reset your handheld.</td>
<td></td>
</tr>
<tr>
<td>2007 DST patch cannot be downloaded.</td>
<td>A connectivity issue has occurred or the user account is not configured correctly.</td>
</tr>
<tr>
<td>2007 DST patch is unavailable.</td>
<td>An error has occurred.</td>
</tr>
<tr>
<td>Please try again later.</td>
<td></td>
</tr>
<tr>
<td>Message</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The BlackBerry device is not in a sufficient wireless coverage area to proceed with the installation of the RIM DST 2007 patch.</td>
</tr>
<tr>
<td>Waiting for coverage…</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The process of updating the DST information on the BlackBerry device has started.</td>
</tr>
<tr>
<td>Patcher starting…</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The BlackBerry device is contacting the web site for the appropriate files.</td>
</tr>
<tr>
<td>Contacting website…</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The BlackBerry device is verifying that the correct patch was downloaded.</td>
</tr>
<tr>
<td>Reading patch details…</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The update process is resuming. This message appears when the user restarted the BlackBerry device during the installation of the RIM DST 2007 patch.</td>
</tr>
<tr>
<td>Resuming patch…</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The appropriate RIM DST 2007 patch is being downloaded to the BlackBerry device.</td>
</tr>
<tr>
<td>Downloading – &lt;X&gt; %</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The RIM DST 2007 patch has been downloaded successfully to the BlackBerry device. The installation process can now begin.</td>
</tr>
<tr>
<td>Download complete.</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The RIM DST 2007 patch did not download successfully to the BlackBerry device. Check the event log on the BlackBerry smartphone for more information.</td>
</tr>
<tr>
<td>Download failed.</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The RIM DST 2007 patch is being installed on the BlackBerry device.</td>
</tr>
<tr>
<td>Installing patch…</td>
<td></td>
</tr>
<tr>
<td>Message</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The RIM DST 2007 patch was not found on the BlackBerry device. The BlackBerry device checks for the patch again on the specified date and time.</td>
</tr>
<tr>
<td>Patch not found: Trying again at: &lt;date/time&gt;</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>There is not enough free space on the BlackBerry device to complete the installation of the RIM DST 2007 patch.</td>
</tr>
<tr>
<td>Not enough free space, attempting to free some space.</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The BlackBerry device is not in a sufficient wireless coverage area. The BlackBerry device checks for the patch again on the specified date and time.</td>
</tr>
<tr>
<td>Service unavailable : Trying again at: &lt;date/time&gt;</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The BlackBerry device could not connect to the web site. The web site might be experiencing technical difficulties.</td>
</tr>
<tr>
<td>Error contacting website</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The RIM DST 2007 patch did not download successfully to the BlackBerry device. The BlackBerry device automatically attempts to download the patch again.</td>
</tr>
<tr>
<td>Error downloading patch.</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>There is an issue with the web site that contains the RIM DST 2007 patch.</td>
</tr>
<tr>
<td>Error reading 2007 DST patch details.</td>
<td></td>
</tr>
<tr>
<td>2007 DST patcher is running…</td>
<td>The RIM DST 2007 patch did not install on the BlackBerry device successfully.</td>
</tr>
<tr>
<td>Error installing 2007 DST patch.</td>
<td></td>
</tr>
<tr>
<td>Message</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>2007 DST patcher is running…</strong></td>
<td>The RIM DST 2007 patch did not install on the BlackBerry device successfully.</td>
</tr>
<tr>
<td><strong>An unknown error has occurred.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>2007 DST patcher is running…</strong></td>
<td>A retry or rescheduling error occurred while attempting to install the RIM DST 2007 patch on the BlackBerry device.</td>
</tr>
<tr>
<td><strong>Please try again later.</strong></td>
<td></td>
</tr>
</tbody>
</table>
Remote verification

RIM is providing an application called **DST2007Query** that is designed to let IT administrators verify that all BlackBerry devices have been updated. The application will send a query to the Configuration database and report how many devices have and have not been updated.

The application is run from the command line interface with the following syntax.

```
```

- `-n <db server>` Hostname or IP address of the database server
- `-db <db name>` Name of the BlackBerry Configuration Database
- `-b <service name>` BlackBerry Enterprise Server service name
- `[-dbauth]` Allows the use of SQL Authentication credentials to connect to the database server
- `[-dbuser <username>]` Database username (if using SQL Authentication)
- `[-dbpass <password>]` Database user password (if using SQL Authentication)
The DST2007Query tool creates a file named DST2007Query_<service name>_YYYYMMDD_<HHMM>_n.csv and saves it in the same folder in which the DST 2007 Query tool resides. The file contains the following information: display name, user name, service name, BlackBerry device version, net_rim_bb_timezoneotapatcher.cod version (the version of the RIM DST 2007 patch), patch status, and the most recent error code, if applicable. The log file also contains debug and tracing information.

When you downloaded the RIM DST 2007 patch, a time zone patch backup and restore database that synchronizes to the BlackBerry database in the SyncDeviceMgmt table was created. The DST 2007 Query tool queries this database to determine the status of the RIM DST 2007 patch on users’ BlackBerry devices. Note that the synchronization might be delayed by up to 10 minutes, so the status that the DST 2007 Query tool displays might not reflect the current status of all BlackBerry devices.

The patch status column of the DSTQuery output file indicates whether the RIM DST 2007 patch has been installed successfully on a BlackBerry device.

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applied</strong></td>
<td>The RIM DST 2007 patch has been installed successfully on the BlackBerry device.</td>
</tr>
<tr>
<td><strong>No Device info</strong></td>
<td>The DST 2007 Query tool cannot detect the user’s BlackBerry device in the BlackBerry Configuration Database.</td>
</tr>
<tr>
<td><strong>Error</strong></td>
<td>There was an error updating the BlackBerry device.</td>
</tr>
<tr>
<td>Status</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Awaiting Patch</td>
<td>The RIM DST 2007 patch is installed on the BlackBerry device, but the BlackBerry device has not yet been updated with the DST 2007 changes.</td>
</tr>
<tr>
<td>Helper not Installed</td>
<td>The DST 2007 Query tool did not detect the RIM DST 2007 patch on the BlackBerry device.</td>
</tr>
<tr>
<td>Unsupported Version</td>
<td>The DST 2007 Query tool detected an unsupported version of BlackBerry Device Software running on the BlackBerry device. The BlackBerry device will not be updated with the DST 2007 changes.</td>
</tr>
<tr>
<td>Patch not Required</td>
<td>The BlackBerry device does not require an update to the time zone information for DST.</td>
</tr>
</tbody>
</table>
Indexing applications

Indexing scans the shared folders for handheld software packages and enumerates the details of the packages so they can be easily referenced. If the applications are not indexed, remote computers will not be able to find the various handheld software packages.

The two files that are created by indexing are:

- **Specification.pkg**: A directory listing of the current package (all of the .alx, .cod, OS files) and metadata indicating specific data about the package (applicable hardware, version number).

- **PkgDBCache.xml**: Stores the information to present an application selection screen for the Administrator to pick and choose applications. It stores all of the application metadata (display name, version, copyright, file versions, required package).

When you open a Software Configuration (or choose to create a new one), the information for the applications that are listed is being pulled and populated from the PkgDBCache.xml file.