

Deploying Applications Wirelessly to BlackBerry Devices

Environment

- BlackBerry Enterprise Server software versions 5.0
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Server Deployment

Firstly, you must obtain a zip file containing the loader files for the application. Below is an example of the type/combination of loader files:

- net_rim_bb_appworld.alx
 - net_rim_bb_appworld.cod
 - net_rim_bb_appworld.jad
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Task 1

To create and share the application folder, complete the following steps:

1. On the BlackBerry Enterprise Server, open **Windows Explorer** or My Computer and Create a Folder. Right-click on the Folder and select **Properties**.
2. Click the **Sharing** tab.
3. Click **Share this folder**.
4. Click **Permissions**.
5. Check **Full Control** (including Change and Read access), and close the Permissions window.

Note: If it is preferred to not share a directory on the BlackBerry Enterprise Server, then install the latest BlackBerry Device Software on a workstation and share the <drive>\Program Files\Common Files\Research In Motion folder here.

Note: Please refer to the [BlackBerry Enterprise Server v5.0 Administration guide](#) if the above path should not be shared. This is a recommendation for larger environments where sharing of any sub-folders within the Program Files directory is prohibited or not desirable. If this is the case, a folder can be created at another location with the following structure ...\\Research In Motion\Shared\Applications\<application folder>.

Task 2

Define the share in BlackBerry Administration Service, complete the following steps:

1. In the BlackBerry Administration Service, on the left-pane, expand **BlackBerry Solution Topology**, expand **BlackBerry Domain**, expand **Component View**.
 2. Select **BlackBerry Administration Service**.
 3. Scroll to the bottom, Select **Edit Component**.
 4. In the **Software Management** area, in the textbox next to **BAS Application Shared Network Drive**, type \\<hostname>\sharename - e.g \\ADAMBES\Applications
 5. Select **Save all**.
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Task 3

To add/publish the application:

1. In the left-pane, under **BlackBerry solution management**.
 2. Expand **Software**.
 3. Select **Add or Update Applications**.
 4. Browse to the Zip file located in the software share folder, and click **Next**.
Click **Publish Application**.
 5. Confirm that a new folder exists for the application under the Applications folder.
 6. Confirm that **PkgDBCACHE.xml** and **Specification.pkg** exist in this new folder.
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Task 4

To configure the software configuration via BlackBerry solution management:

1. Open the BlackBerry Administration Service.
 2. On the left-pane, expand **Software**, expand **Applications**.
 3. Select **Create a software configuration**.
 4. Enter the name of the software configuration.
 5. Set the **Disposition for unlisted Applications** to **Optional**, Click **Save**.
 6. Click **View Software Configuration List** and select your new software configuration.
 7. Click **Edit software configuration**.
 8. Click the **Applications** tab.
 9. Click **Add Applications To Software Configuration**.
 10. Click **Search**.
 11. Check the box beside the name of the new software configuration application.
 12. Set the **Disposition** to **Required** or **Optional**.
 13. Set the **Deployment** to **Wireless**.
 14. Verify the Application control policy is set to **Standard Required**.
 15. Click **Add to Software Configuration**.
 16. Click **Save All**.
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Task 5 (This task is optional)

To configure the application deployment schedule if the application needs to be deployed as soon as possible:

1. On the left-pane, under **Devices**, expand **Deployment jobs**.
2. Click **Specify Job Schedule Settings**.
3. Click **Edit Job Schedule Settings**.
4. Set the **Default Delay** to **1 minute**, (this can be left as default).
5. Click **Save All**.

Note: The **Deploy Now** option no longer exists.

Task 6

To assign the software configuration to a user:

1. On the left-pane, under **BlackBerry solution management**.
2. Expand **User**.
3. Click **Manage Users**.

4. Click **Search**.
 5. Click on a user account.
 6. Click on the **Software Configuration** tab.
 7. Click **Edit User**.
 8. Under **Available software configurations**, select the software configuration.
 9. Click **Add**.
 10. The software configuration should then appear under **Current Software Configurations**.
 11. Click **Save all**.
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Task 7

View the status of a job:

After a software configuration is created and assigned to a user account, or an existing software configuration which is currently assigned to a user account is changed, the BlackBerry Administration Service creates a job to deliver BlackBerry Device Software, BlackBerry Java Applications, or application settings to the BlackBerry smartphones.

1. From the BlackBerry Administration Service, on the left-pane, under on the **Devices** menu, expand **Deployment jobs**.
2. Click **Manage deployment jobs**.
3. Click **Search** to search for a job.
4. In the search results area, under the **Status** column, you can view the status of the job.
5. To view more information about a job or to change a job, click the **ID** of the job.
6. Verify the application is installed on the device by going into **Options > Advanced Options > Applications** on the BlackBerry smartphone.