



# MICROVISION

## Enabling Keystroke Injection for Scanner Wedge for BlackBerry

*A Microvision Application Note*

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# INTRODUCTION

## ***System Requirements***

This article applies to the following systems when using Scanner Wedge for BlackBerry:

- BlackBerry Enterprise Server® 4.0
- BlackBerry® wireless devices based on Java™
- BlackBerry Device Software 4.0 and later

## ***Overview***

Peripheral devices, such as the Flic Cordless Scanner or Bluetooth keyboards, use the Event Injector API (more specifically, the Keystroke Injection API) to simulate events such as key presses on the BlackBerry device.

In order for the Flic Cordless Scanner to utilize these API calls and allow the BlackBerry handheld device to receive scanned data, Scanner Wedge for BlackBerry must be indexed on the BlackBerry Enterprise Server (BES) and Keystroke Injection must be set to “Allow”. This Document is a brief summary of the steps required to enable Keystroke Injection on BlackBerry devices connected to a BlackBerry Enterprise Server (BES).

## ***Important Note***

The reader must have access to the BES configuration tool and have basic knowledge of BlackBerry devices and the BES configuration process.

## **STEP 1: Installing, Indexing and Sharing Scanner Wedge for BlackBerry**

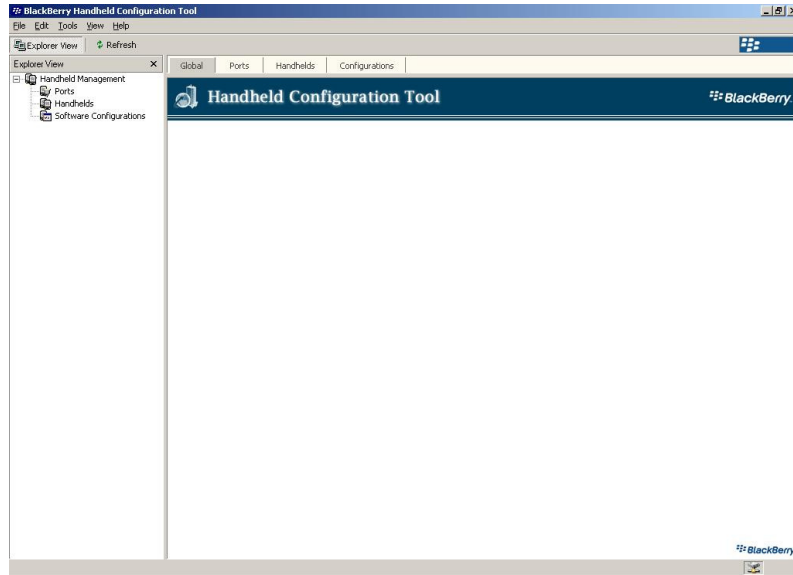
1. Install Scanner Wedge for BlackBerry on a BlackBerry handheld device. For more details on how to do this, please refer to the Scanner Wedge for BlackBerry User Guide.
2. On a personal computer with Desktop Manager installed, if the folder does not already exist, create an applications folder in Program Files\Common Files\Research In Motion\Shared\
3. Create a subfolder under Program Files\Common Files\Research In Motion\Shared\applications\ for the third-party application, title it “Scanner Wedge”. Copy the device installation files (.ALX and .COD) to this directory.
4. Index the applications listed in this directory by doing the following:
  - a. Navigate to the AppLoader Folder located within the Research In Motion directory, and copy the Loader.exe file. Paste it into the ‘applications’ folder you just created.
  - b. Using a command prompt (Start > Run > Type in “cmd”), navigate to Program Files\Common Files\Research In Motion\Shared\applications\ folder, and type the command: Loader.exe /index

NOTE: You won't get any confirmation this was done correctly in the command window.

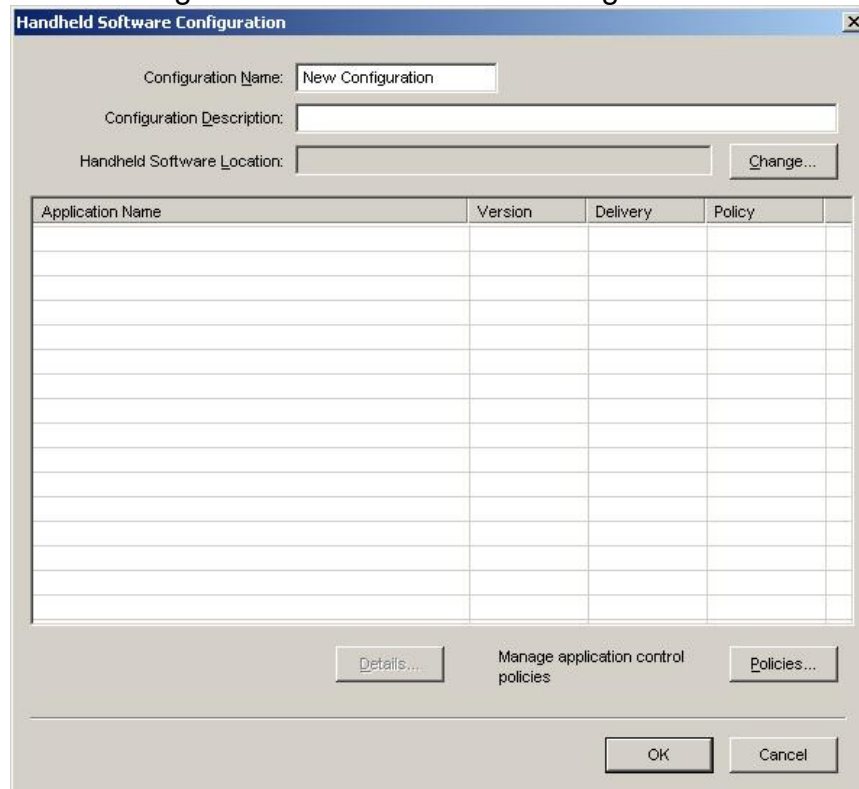
5. Share the Program Files\Common Files\Research In Motion\ folder on the network. Do this by right clicking the Research in Motion folder, then “Sharing and Security”. Click the option “Share this folder” and click “maximum allowed”. Click “Apply”.

## STEP 2: Configuring the BES and allowing Keystroke Injection

1. Start The BlackBerry Handheld Configuration Tool

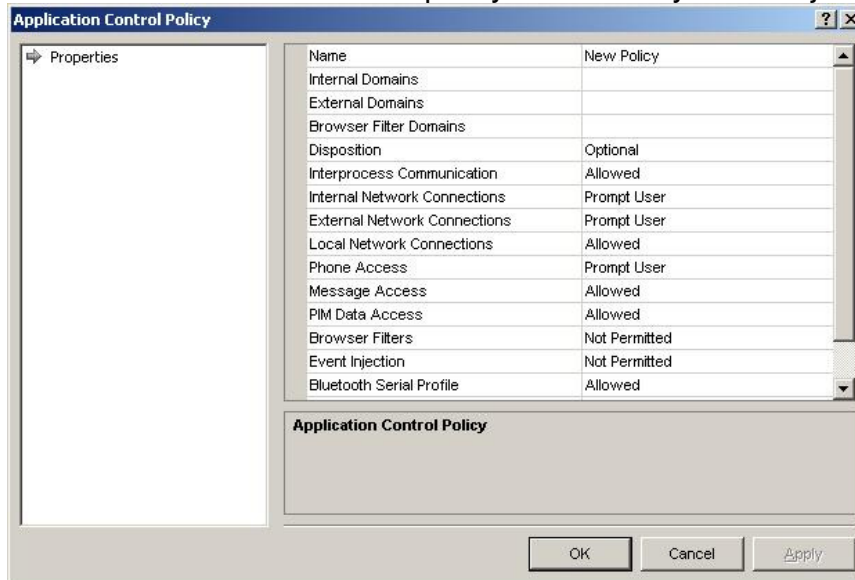


2. Click on Software Configurations in the left hand dialog box



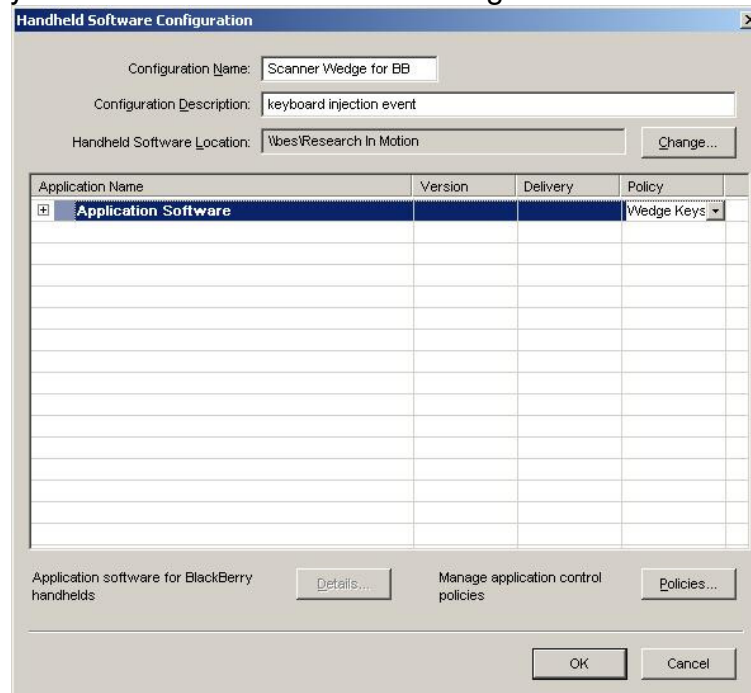
- a. Click “Add New Configuration”.

- b. Give it a name or description. We recommend “Scanner Wedge for BB”.
- c. Click “Change” and navigate to the shared Scanner Wedge for BlackBerry files referred to in STEP 1.
- d. Click on “Policies” to create a new policy to allow Keystroke Injection.



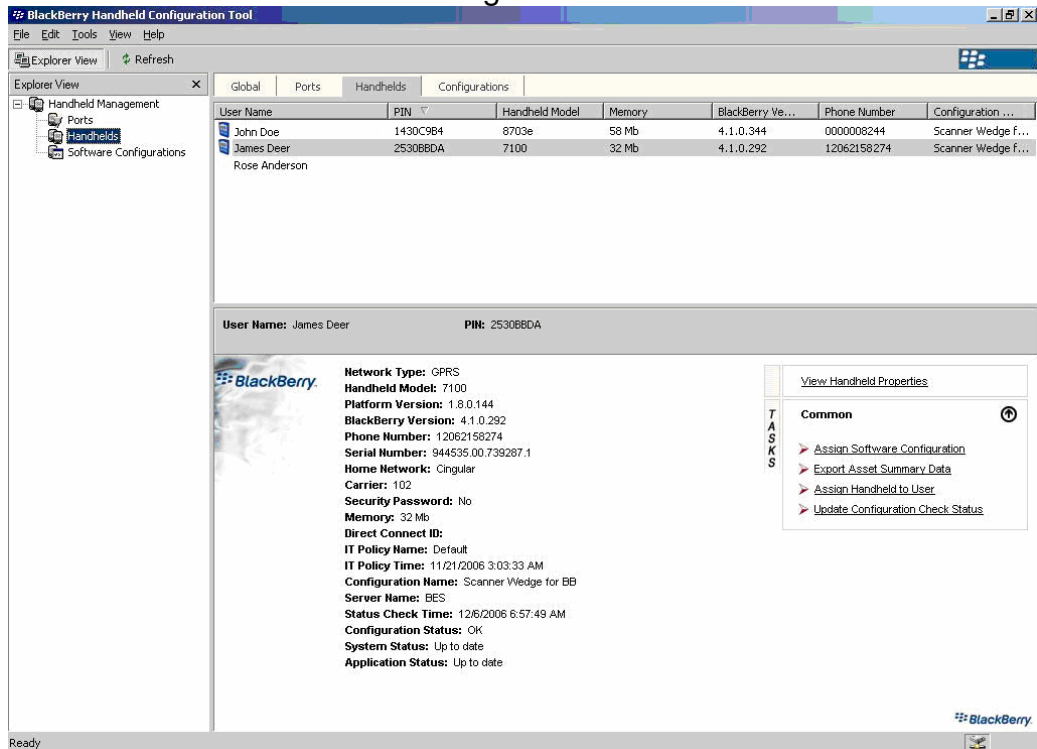
- e. Name the new policy. We recommend “Keystroke Injection Event”.
- f. Set Disposition to Optional or Required
  - i. Optional will allow users to remove/update the application from their BlackBerry.
  - ii. Required locks the application so it cannot be removed.
- g. Set “Event Injection” to “Allow”.

3. When finished, your screen should look something like this.



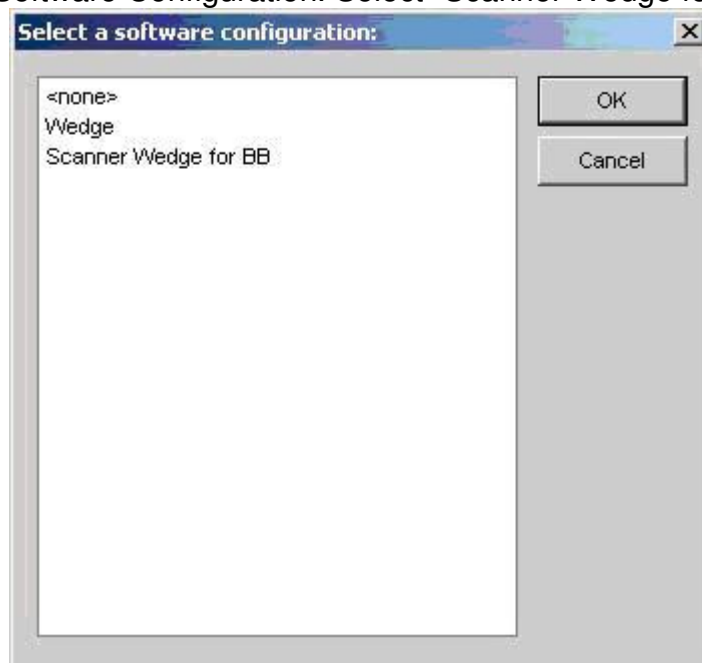
4. Click on Application Software and set the new policy you just created by clicking “OK”.

5. Click on Handhelds in the left hand dialog box



5. You will see a list of handhelds and the user they are assigned to. Click on the user you wish to allow to use Keystroke Injection

6. Click on Assign Software Configuration. Select "Scanner Wedge for BB" and click "OK".



Once the new policy is sent from the BES down to the BlackBerry, the user will now be able to enable Keystroke Injection.

## **STEP 3: Enabling Keystroke Injection on the BlackBerry handheld**

Although many BlackBerry handhelds differ, most users can access this by starting at the BlackBerry desktop:

1. Select Options
2. Select Advanced Options
3. Select Applications
4. Scroll down to Scanner Wedge for BlackBerry. Select it, and select Edit Permissions.
5. Expand Interactions
6. Set Keystroke Injection to "Allow".
7. Open Scanner Wedge and activate your scanner. For details on how to do this, please refer to the Scanner Wedge for BlackBerry User Guide.
8. Open up any application that accepts keystroke input and scan a bar code.