## Bluetooth Printer Management Demonstrate it with SOTI MobiControl and Printer Profile Manager Enterprise

Revision 5

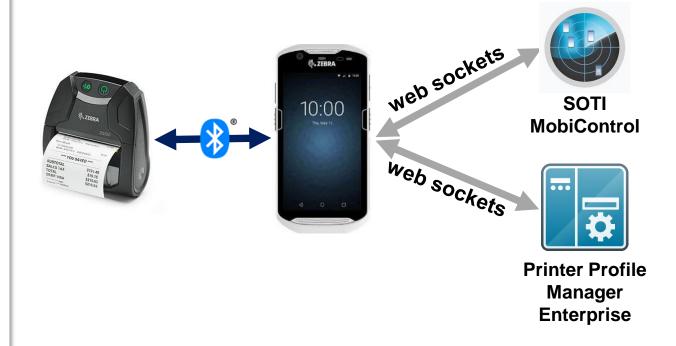
AGILITY VISIBILITY SECURITY



#### Why Bluetooth Printer Management

#### **Project Goals**

- Create an industry first solution that allows printers to be managed via Bluetooth, in or outside 4 walls.
- Enable management of the 40% of our Mobile printers that are connected to a handheld via Bluetooth (*Visibility, Management*).
- Users can view real-time printer status, download objects, retrieve content from printer, update printer OS as needed with Bluetooth connected Link-OS printers.
- Ability for IT staff to manage Bluetooth printers from SOTI MobiControl or Printer Profile Manager Enterprise by using an Android device as a gateway.
- Enhance the ZQ300 series printer release, by timing Bluetooth Printer Management to release in association with ZQ300 series.





#### **Bluetooth Printer Management – how it works**

## Install Applications





## 10:00 |

#### Connect

Printer → Android → MDM





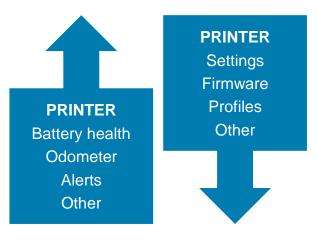






### Manage Printer settings, status, OS









#### Before you start ....

- Our Cloud based demo instances of SOTI MobiControl and Printer Profile Manger Enterprise (PPME) will be used in this demo.
  - Rules and profiles have been prepared in MobiControl for this demo.
  - Resources have been added to Printer Profile Manager Enterprise for this demo.
  - Demos on customer specific instances require the customer's weblink URL to be set in Bluetooth
     Connector and configuration of any specific network access requirements.
- It's recommended that firmware or large file downloads are not performed during the demo as they can take 15 minutes or longer.
- In Android 6.0 and later, you are requested to allow permissions at runtime rather than during installation as in previous versions of Android.
- Detailed usage of the SOTI MobiControl and Printer Profile Manager Enterprise features are beyond the scope of this demo.



#### Requirements for this demo

- Android device running Android 4.4 7.1
- Bluetooth capable Link-OS printer with firmware version x.19.13z or later.
  - Version x.20.01z or later is recommended.
- A WiFi or cellular data connection from the Android device to the MDM.
- Browser capable device to login to the MDM console.



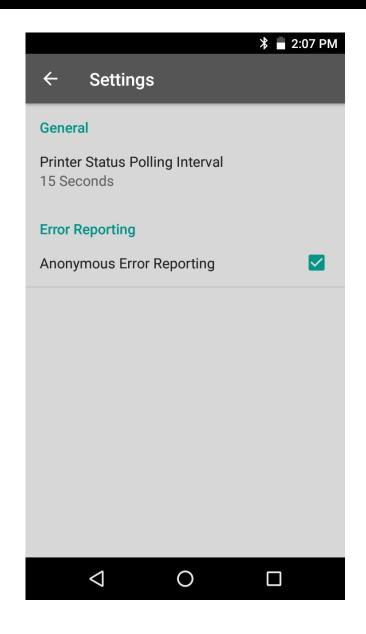
#### Prepare your Android device

- ✓ Install both the Bluetooth Connector and Connection Manager applications.
  - After release, both applications will be available from the following sources:
    - On Google Play
    - Zebra Technologies AppGallery
    - Zebra Technologies website: <a href="www.zebra.com/bluetoothprintermanagement">www.zebra.com/bluetoothprintermanagement</a>
- ✓ Install Zebra's Printer Setup app (available on Google Play or AppGallery).
- ✓ On your Android device, ensure Bluetooth is turned on.
- ✓ On your Android device, ensure NFC is enabled if your device supports it.
- ✓ On your Android device, ensure you have an active internet connection via WiFi or cellular data.
- ✓ On your printer, ensure Bluetooth is enabled.



#### **Configure Connection Manager**

- Launch Connection Manager.
- If prompted, allow all required permissions.
- Open Settings and change the Printer Status Polling Interval to the minimum 15 seconds.





#### **Configure Bluetooth Connector**

- Launch Bluetooth Connector
- Open Settings and tap Server URL. Tap Scan a Server QR Code.
- Choose your demo:
  - Scan a QR code below for either SOTI MobiControl or PPME.

#### **SOTI MobiControl**



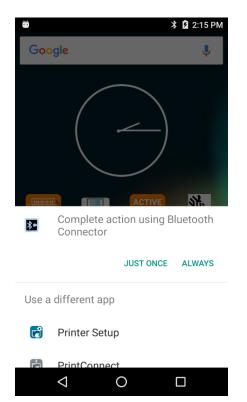
#### **PPME**

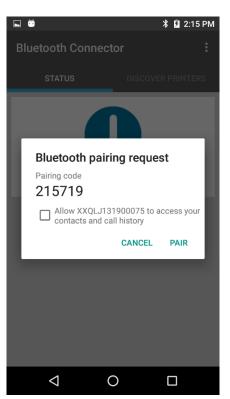


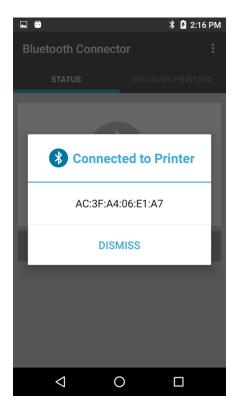


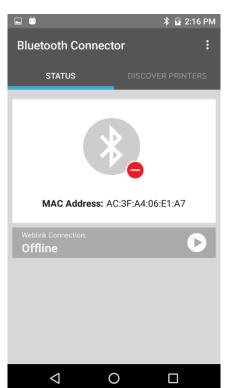
#### Connect the printer to the Android device

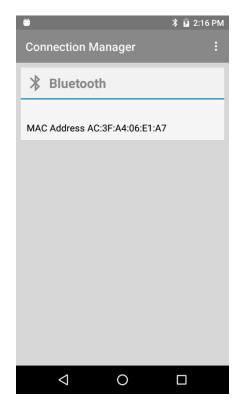
- Use the NFC Bump 'n' Pair method (aka Print Touch) to connect the printer to the Android device. If prompted, select Bluetooth Connector from the 'Complete action using ...' dialog.
- The printer's Bluetooth MAC address should be visible in both applications after successful pairing.













#### Connect the printer to the Android device

- Use one of the methods below when the NFC Bump 'n' Pair method is not available:
  - Discover printer
    - In Bluetooth Connector, tap the DISCOVER PRINTERS tab and select your printer from the list.
  - Manually add a printer
    - Open Bluetooth Connector settings and tap Selected Printer.
    - Enter the printer Bluetooth MAC address in the format AA:BB:CC:11:22:33



#### Connect to the MDM application

• If the connection is not made automatically, tap the icon on the **Bluetooth Connector** status tab to initiate the connection to the MDM.









#### **Choose your demo**

- <u>Demo with Printer Profile Manager Enterprise</u>
- Demo with SOTI MobiControl

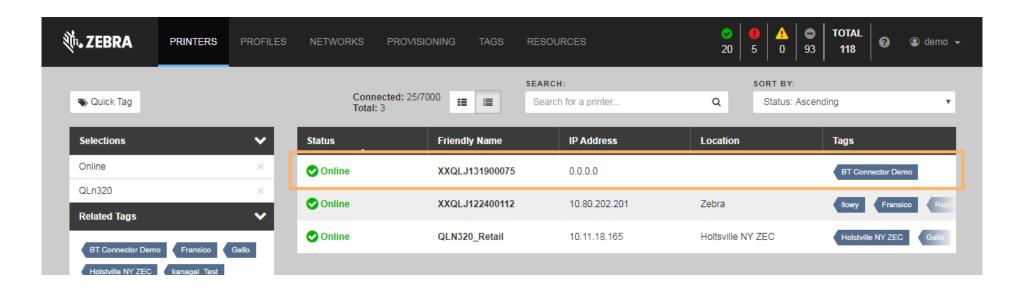


## DEMO WITH PRINTER PROFILE MANAGER ENTERPRISE



#### Demo with Printer Profile Manager Enterprise

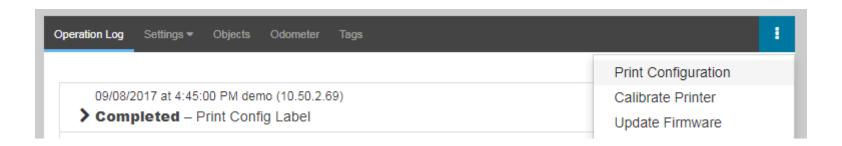
- Log in to the Printer Profile Manager Enterprise console:
  - <a href="https://demo-zebra.link-os.com/linkos/">https://demo-zebra.link-os.com/linkos/</a>
  - Username: demoPassword: Password1&
- Your printer should be visible and online in the console.





#### **Quick test**

- To confirm the connection, use the 'Print Configuration' option on the printer landing page.
  - The printer configuration page should print.

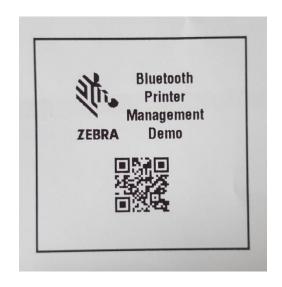




#### Send a resource

- Select the RESOURCES tab.
- Click the resource named bt-management-demo-label.zpl.
- Send the resource to your printer.
- The demo label will print.







#### Store & remove an object

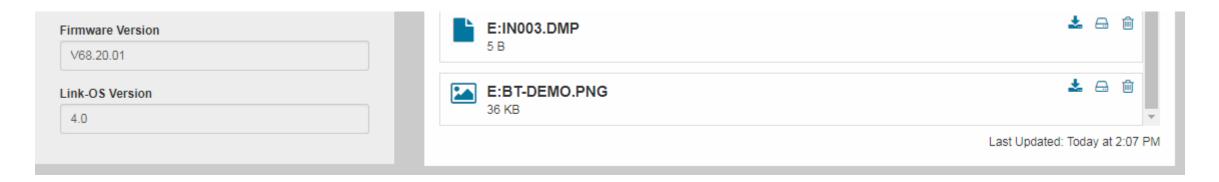
- Select the RESOURCES tab.
- Click the resource named **bt-management-demo-object.zpl**.
- Store the resource on your printer.





#### Store & remove an object

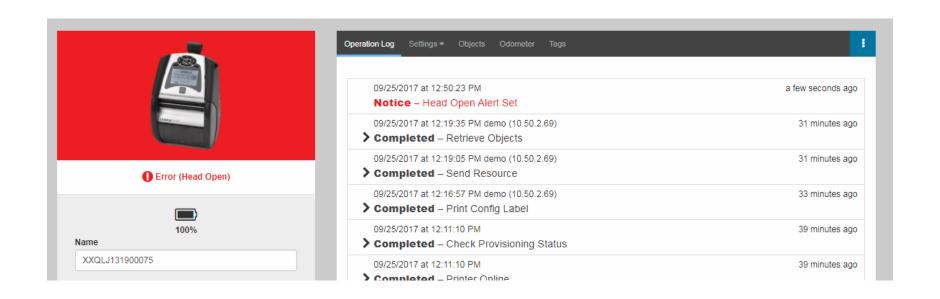
- Go to the Objects tab on the printer's landing page.
- Click Refresh Objects.
- Verify the BT-DEMO.PNG file is listed.
- From the objects listing, remove the object from the printer.
  - The object listing will be refreshed automatically.
  - Verify the BT-DEMO.PNG has been removed from the printer.





#### **Show an alert**

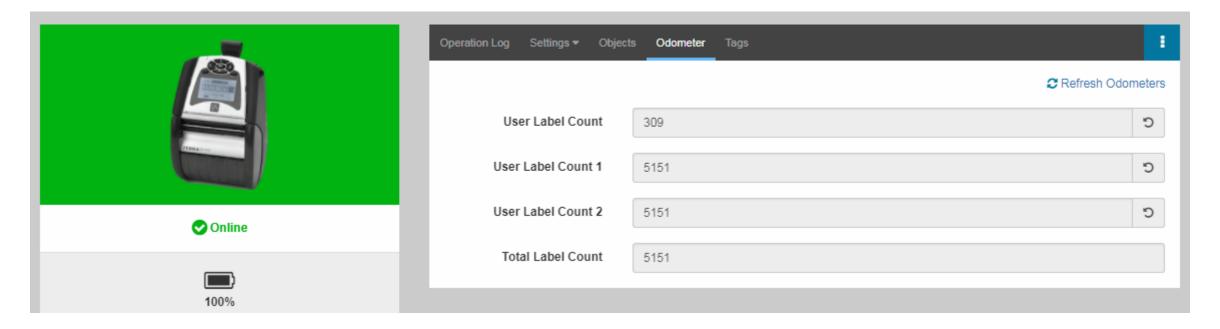
- Go to the printer landing page.
- Open the printhead and/or create an out of media condition.
- The status will change in the console within the 15 second polling interval.





#### **View printer information – Part 1**

- Click the Odometer tab on the printer landing page.
- Observe and note the Odometer values.
- You'll revisit this later.

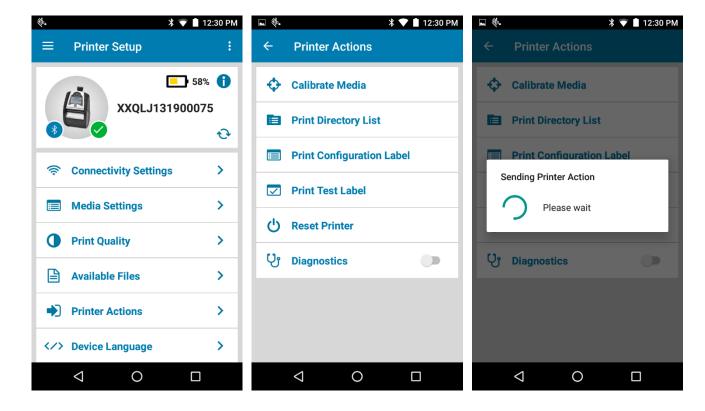




#### Print from an application

- Use Printer Setup to simulate a printing app and to increase the printer's Odometer values which can then be viewed in the console.
- Launch Printer Setup and use the NFC Bump 'n' Pair method to connect to the printer. If prompted, select Printer Setup from the 'Complete action using ...' dialog.
- Tap Printer Actions and then Print Test Label. A label should print.
  - Repeat if you wish to print multiple labels.

De-select the printer when finished.

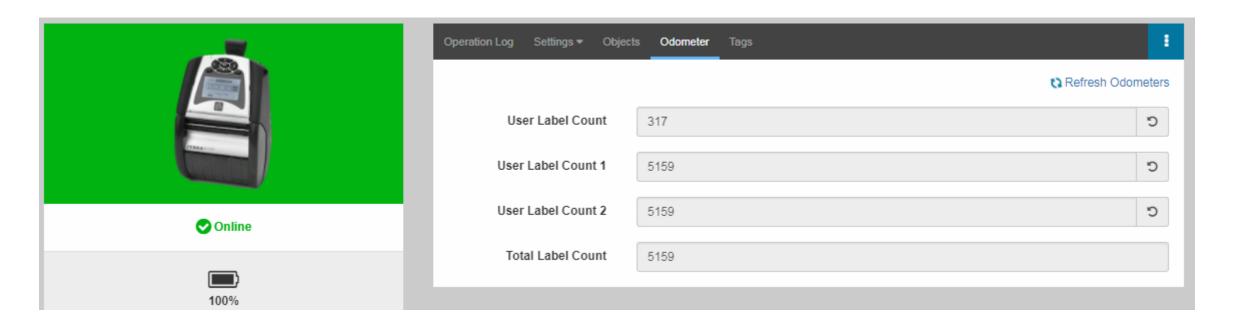


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#### **View printer information – Part 2**

- Click Refresh Odometers.
- Observe the label count values have increased.

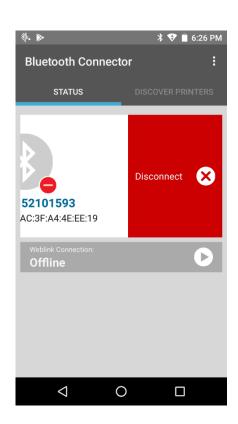




#### You're almost done!

- The feature demonstration is complete.
- Disconnect the printer from PPME by tapping the icon on the Bluetooth Connector STATUS tab.

- Disconnect the printer from the Android device by swiping the Bluetooth icon and tapping the icon.
- Continue to the next step 'housekeeping'.

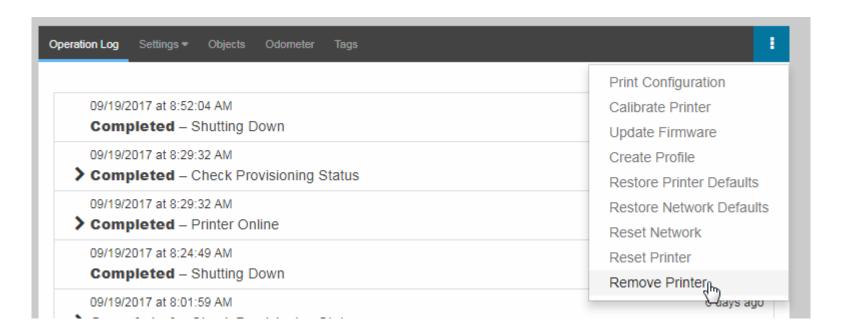




#### Some housekeeping ...

- We ask that you now remove your printer from PPME.
  - Use the remove printer option from the printer's landing page.

#### Thank You!





### YOU HAVE COMPLETED THE DEMO WITH PRINTER PROFILE MANAGER ENTERPRISE

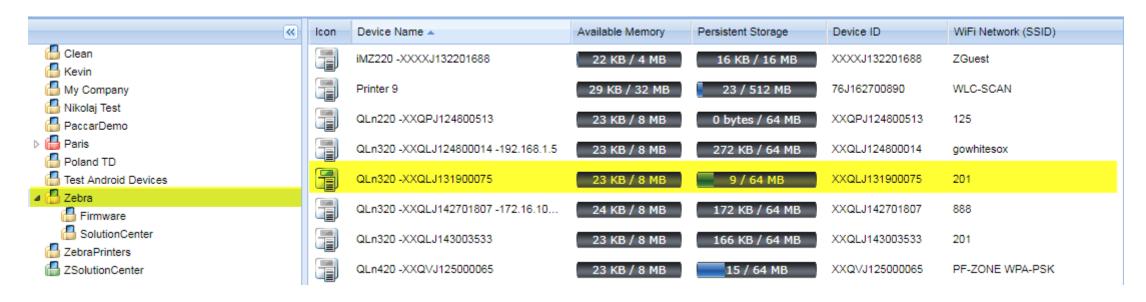


## DEMO WITH SOTI MOBICONTROL



#### **Demo with SOTI MobiControl**

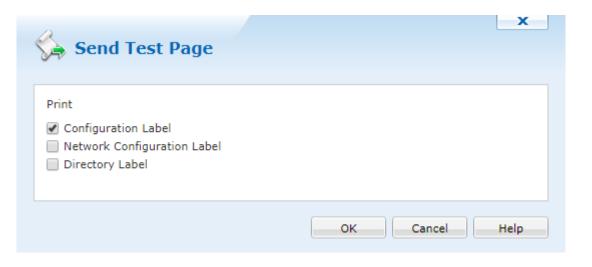
- Log in to the MobiControl console:
  - https://zebratest2.mobicontrolcloud.com/MobiControl/WebConsole/Home
  - Username: zebra Password: SOTIZEBRA
- Your printer should be visible and online under the Zebra section in the console.





#### **Quick test**

- To confirm the connection, use the 'Send Test Page' option in MobiControl
  - The printer configuration page should print within15 seconds.



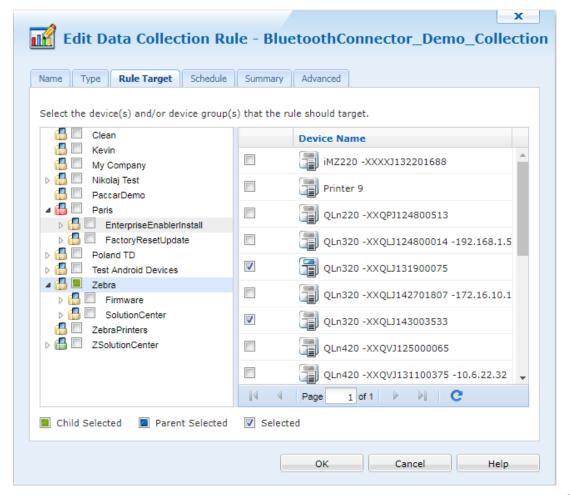


#### **Data collection – Part 1**

- In MobiControl, assign your printer to the rule named BluetoothConnector\_Demo\_Collection
- MobiControl will start collecting the following data from the printer every 2 minutes.



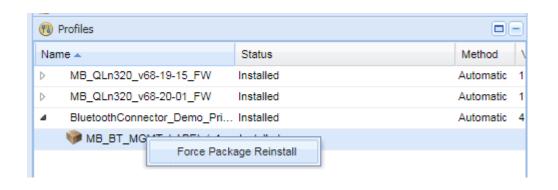
You'll revisit this later.

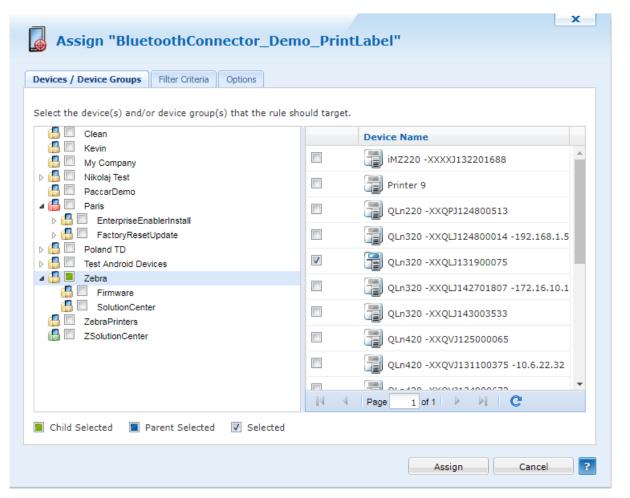




#### Send a resource

- In MobiControl, assign your printer to the profile named BluetoothConnector\_Demo\_PrintLabel
- The profile will be sent to your printer and a label should print.
- You can resend it using the 'Force Package Reinstall' option.

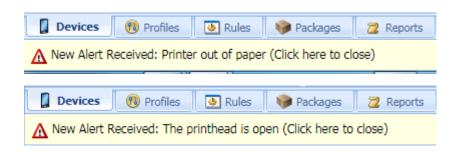


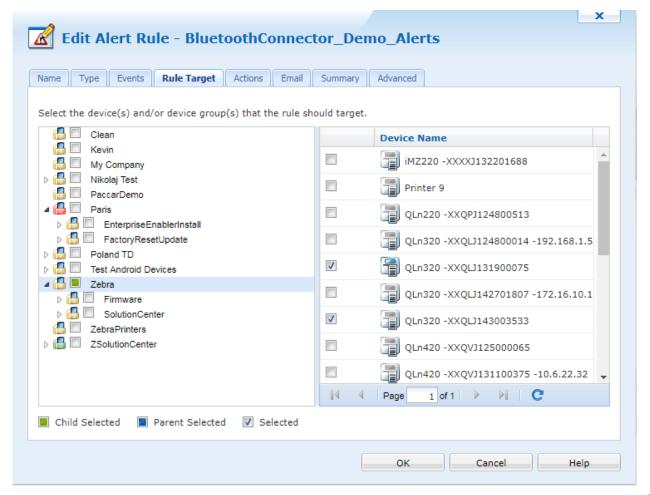




#### **Show an alert**

- In MobiControl, assign your printer to the rule named BluetoothConnector\_Demo\_Alerts
- Open the printhead and/or create an out of media condition.
- The alert will appear at the bottom of the console within the 15 second polling interval.

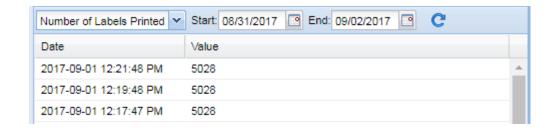






#### **Data collection – Part 2**

 In MobiControl, select your printer and view the 'number of labels printed' in the data collected area. Some data should have been collected.

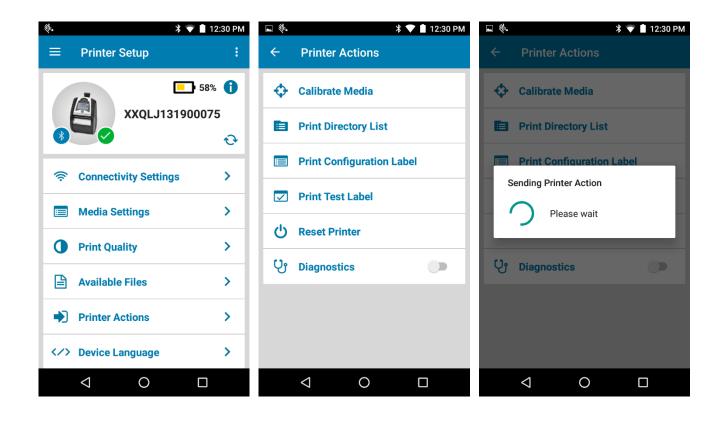


You'll revisit this again later.



#### Print from an application

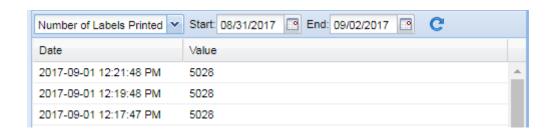
- Use Printer Setup to simulate a printing app and also to see the 'number of labels printed' value change in the collected data.
- Launch Printer Setup and use the NFC Bump 'n' Pair method to connect to the printer. If prompted, select Printer Setup from the 'Complete action using ...' dialog.
- Tap Printer Actions and then Print Test Label. A label should print.
  - Repeat if you wish to print multiple labels.
- De-select the printer when finished.





#### **Data collection – Part 3**

- Review the collected data again. The 'number of labels printed' value should have increased.
  - Review the time and ensure 2+ minutes have past since printing the label. Click refresh if necessary.
  - Values of all collected data may not change due to the short time taken to perform the demo.
  - Not all collected data items are supported on all printers.



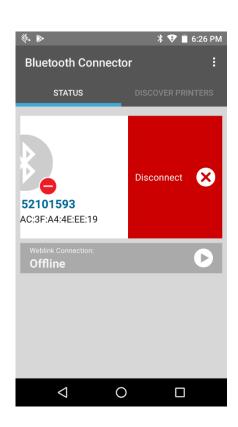
Number of Labels Printed 💌	Start: 08/31/2017	
Date	Value	
2017-09-01 12:33:55 PM	5029	_
2017-09-01 12:31:54 PM	5029	
2017-09-01 12:29:53 PM	5028	
2017-09-01 12:27:51 PM	5028	
2017-09-01 12:25:50 PM	5028	



#### You're almost done!

- The feature demonstration is complete.
- Disconnect the printer from MobiContol by tapping the icon on the Bluetooth Connector STATUS tab.

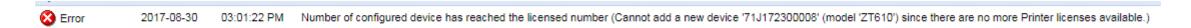
- Disconnect the printer from the Android device by swiping the Bluetooth icon and tapping the icon.
- Continue to the next step 'housekeeping'.





#### Some housekeeping ...

- This cloud instance of SOTI MobiControl has a limited number of device licenses.
- The maximum number of licenses will eventually be reached if devices are not removed.
  - This prevents other users connecting their devices to perform demos.



- We ask that you now remove your printer to ensure other users can continue to use this demo.
  - Please remove your printer assignments from the rules and profiles.
  - Please remove your printer from the list of devices.

#### Thank You!



# YOU HAVE COMPLETED THE DEMO WITH SOTI MOBICONTROL