

# WMS RF3 – Installation

## Introduction

This document describes how to install the CRISTAL WMS RF application on a Windows Mobile device.

The CRISTAL WMS RF application can only be installed on Windows Mobile devices running either Windows Mobile 5.x or 6.x. It is not compatible with earlier versions (Pocket PC 2002/2003), nor with later versions (Windows Phone 7 and later). Although not officially supported, the WMS RF application can also run on Windows CE 5 devices.

This document assumes that the reader knows how to install Microsoft ActiveSync or Windows Mobile Device Center to synchronise the device with the desktop PC, configure the wi-fi network card, and to configure the device for barcode scanning. These topics are manufacturer and model specific, and beyond the scope of this document.

## Pre-Requisites

- Windows Mobile 5.x, 6.x, or Windows CE 5 device
- .NET Compact Framework 3.5 (NETCF35) installation CAB file
- SQLCE (SQLCE35) installation CAB file
- SQL Client driver (SQL20) installation CAB file
- CRISTAL WMS RF3 installation CAB file
- CRISTAL WMS database network connection information

Programs for Windows Mobile devices are installed via CAB (cabinet) files. These CAB files must first be transferred into the device. Then, each CAB file must be individually opened from the device's **File Explorer** program to install it.

There are several CAB files required by the WMS RF application. 6 of these are installation files for Microsoft drivers required by the WMS RF application. The final CAB file is the one for the WMS RF Setup.

All the CAB files can be downloaded from CRISTAL Solutions Support server:

[https://support.cristalsolutions.com.sg/instdisk/CRISTAL\\_WMS\\_RF/](https://support.cristalsolutions.com.sg/instdisk/CRISTAL_WMS_RF/)

The Microsoft CAB files (NETCF35, SQLCE35, SQL20) are located in this folder:

[https://support.cristalsolutions.com.sg/instdisk/CRISTAL\\_WMS\\_RF/CRISTAL\\_WMS\\_RF3\\_DRIVERS/Device/](https://support.cristalsolutions.com.sg/instdisk/CRISTAL_WMS_RF/CRISTAL_WMS_RF3_DRIVERS/Device/)

Typically, you will just need the “Windows Mobile 5” variants of the Microsoft drivers. The “Windows Mobile 5” files are located here:

[https://support.cristalsolutions.com.sg/instdisk/CRISTAL\\_WMS\\_RF/CRISTAL\\_WMS\\_RF3\\_DRIVERS/Device/Windows%20Mobile%205/](https://support.cristalsolutions.com.sg/instdisk/CRISTAL_WMS_RF/CRISTAL_WMS_RF3_DRIVERS/Device/Windows%20Mobile%205/)

The WMS RF3 Setup CAB file is located here:

[https://support.cristalsolutions.com.sg/instdisk/CRISTAL\\_WMS\\_RF/CRISTAL\\_WMS\\_RF3\\_Setup/](https://support.cristalsolutions.com.sg/instdisk/CRISTAL_WMS_RF/CRISTAL_WMS_RF3_Setup/)

I suggest downloading the latest version available.

For ease of download, all the Microsoft CAB files and the WMS RF Setup CAB file has been combined into a single “WMS\_RF3\_cabfiles.zip”:

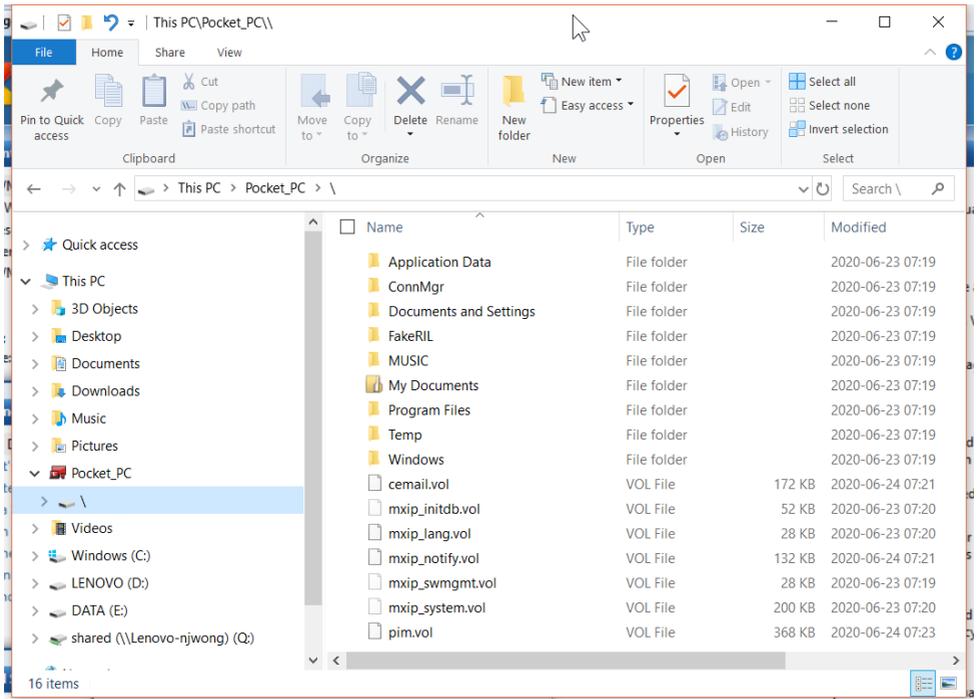
[https://support.cristalsolutions.com.sg/instdisk/CRISTAL\\_WMS\\_RF/CRISTAL\\_WMS\\_RF3\\_DRIVERS/Device/Windows%20Mobile%205/WMS\\_RF3\\_cabfiles.zip](https://support.cristalsolutions.com.sg/instdisk/CRISTAL_WMS_RF/CRISTAL_WMS_RF3_DRIVERS/Device/Windows%20Mobile%205/WMS_RF3_cabfiles.zip)

If you have ActiveSync / Windows Device Center installed on your PC, you can download the CAB files to your PC, and then use ActiveSync to transfer them to the device.

If you do not have ActiveSync, you will need to run the Internet Explorer web browser on the device to download the files into the device.

## Transferring the CAB Files (with ActiveSync)

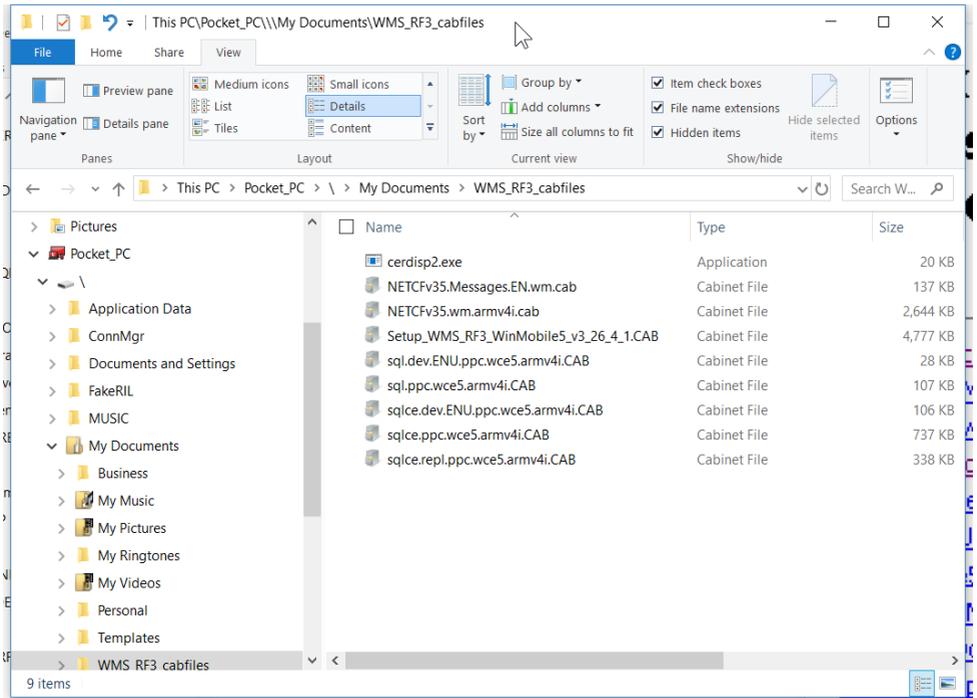
1. From the PC that has ActiveSync installed, run a web browser to download the CAB files from the CRISTAL Solutions support server. For convenience, you should save all the CAB files into the same folder on the PC.
2. Synchronise the device to the PC with ActiveSync (or Windows Device Center). Once synchronised, the device’s folders will appear in the **File Explorer** on the PC.



Use the PC's **File Explorer** program to copy all the CAB files into a single folder on the device. For convenience, I will create a subfolder called:

**\\My Documents\WMS\_RF3\_cabfiles**

and copy all the files to this folder.



## Transferring the CAB Files (without ActiveSync)

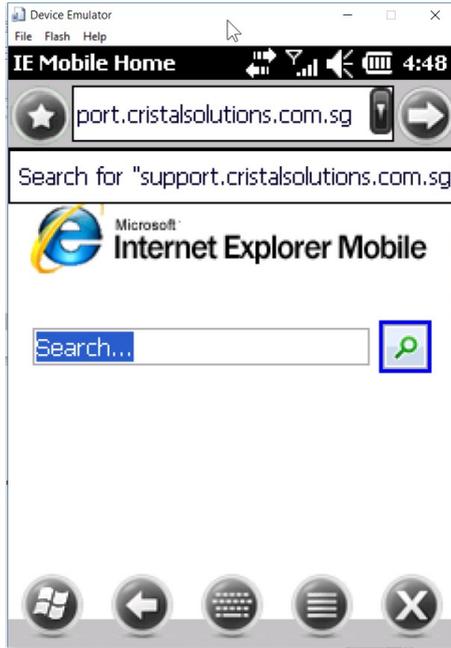
If you do not have ActiveSync, the CAB files must be downloaded directly into the device.

Run the **Internet Explorer** program on the device.

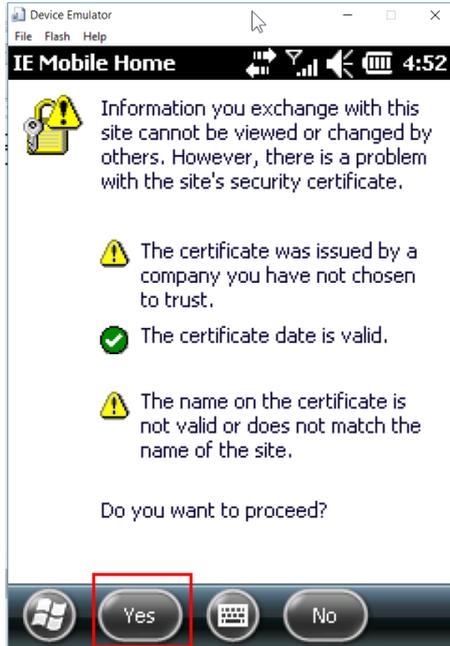


In the address box, type the address:

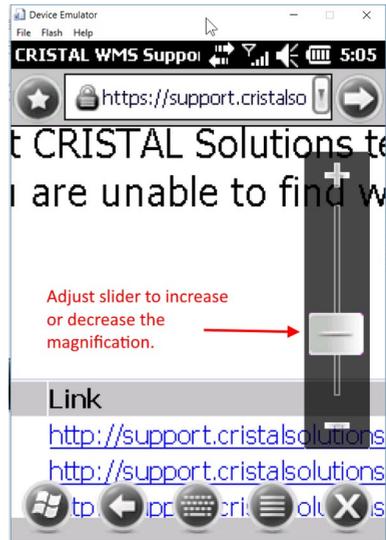
**[support.cristalsolutions.com.sg](http://support.cristalsolutions.com.sg)**

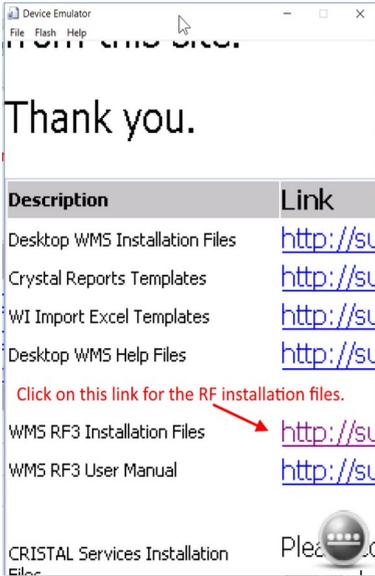


Answer “Yes” to the security question to proceed to the site.



If the text is too tiny to be legible, you can use the magnifier tool to magnify the text.





Now, navigate through the following hyperlinks:

> [CRISTAL\\_WMS\\_RF3\\_DRIVERS](#)

> [Device](#)

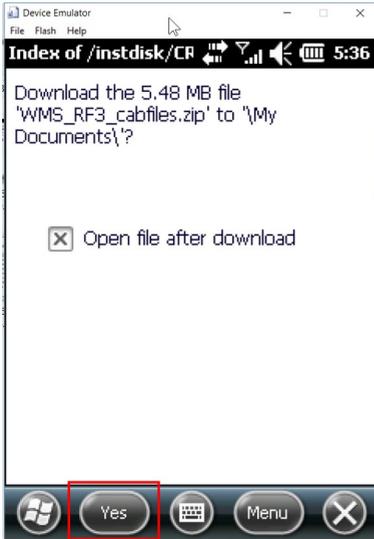
> [\\_Windows Mobile 5](#)

Look for the file:

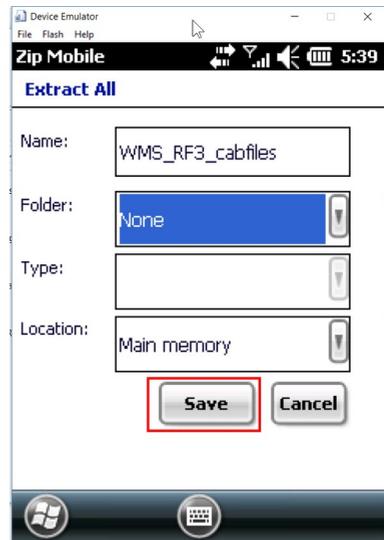
“[WMS\\_RF3\\_cabfiles.zip](#)”

To download the zip file, click and hold on the link. A small dotted circle will be dynamically drawn on the screen, and upon completion, the download menu will appear:



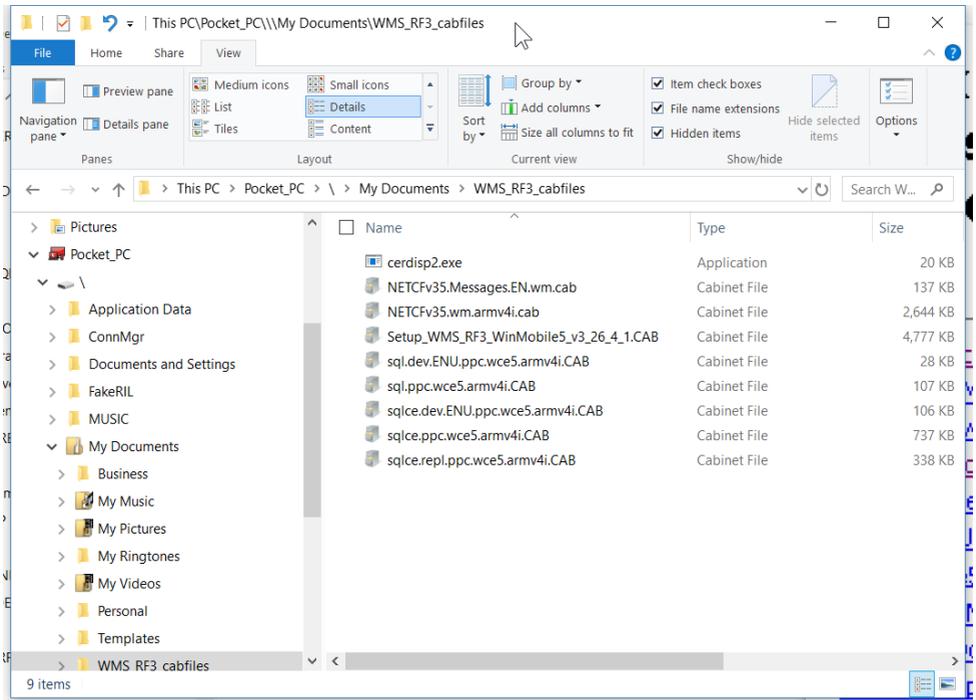


After the “WMS\_RF3\_cabfiles.zip” file has been downloaded, **Internet Explorer** will automatically run the **Zip Mobile** utility. You can use this utility to extract all the CAB files from this utility.



This will extract the zip file contents into the following folder:

**\\My Documents\WMS\_RF3\_cabfiles\**



## Installing the CAB Files

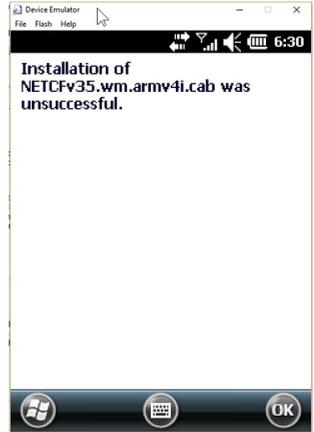
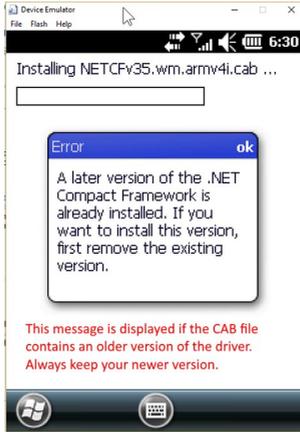
Once the CAB files have been transferred, you must use the **File Explorer** program on the device to open each CAB file individually to install it.



Double click on a CAB file to install it. Note that the CAB files must be installed in a certain order:

1. First install the files starting with “NETCF\*\*\*”

2. Then install the files starting with “sql.\*\*\*”
3. Then install the files starting with “sqlce.\*\*\*”
4. Finally, install the “Setup\_WMS\_RF3\_\*\*\*\*” file. The WMS RF Setup CAB file must always be installed last.





Note that it is critical that all the Microsoft CAB files be installed *before* installing the “Setup\_WMS\_RF3\_\*\*\*” CAB file.

Once the “Setup\_WMS\_RF3\_\*\*\*” CAB file is installed, a new icon will be created in the device’s **Start** screen.



In Windows Mobile, new icons are always placed at the bottom, which means that you must scroll to the bottom of the screen to click the icon. If the icon is to be frequently clicked, it is better to move the icon from the bottom to the top of the **Start** screen.

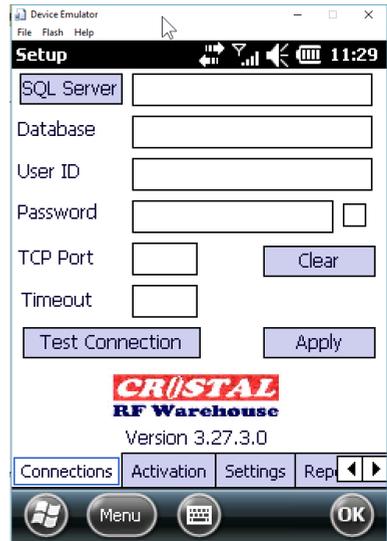
To do this, click and hold down on the **WMS** icon. A small dotted circle will be dynamically drawn over the icon. Continue holding down the icon. When the circle is completed, the icon can be dragged from the bottom of

the **Start** screen to the top of the screen. Once the icon has been placed at a suitable position, release the click to drop the icon in its new position.



## WMS RF Configuration

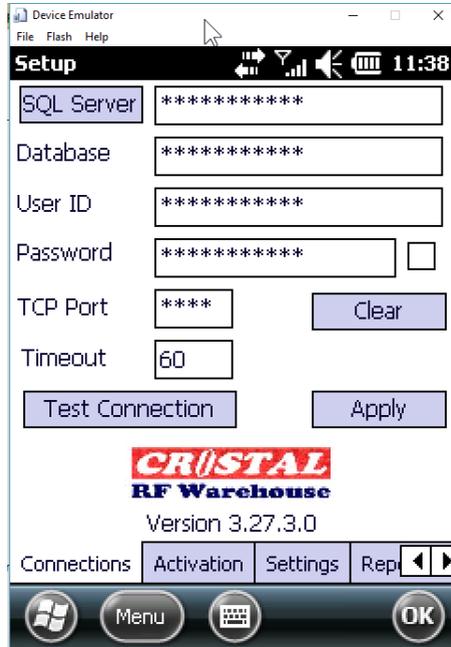
Click on the **WMS** icon to run the WMS RF application. The WMS RF application will try to login to the database previously configured. If no network/database connection settings have been set, the program will display the Setup module.



## “Connections” tab

This tab shows the connection information to the database.

To create a new connection, enter the connection information (this will be supplied separately) into the textboxes.



Click the **[Test Connection]** button to verify that the database can be connected.

If the connection test is successful, click the **[Apply]** button to save the connection information permanently.



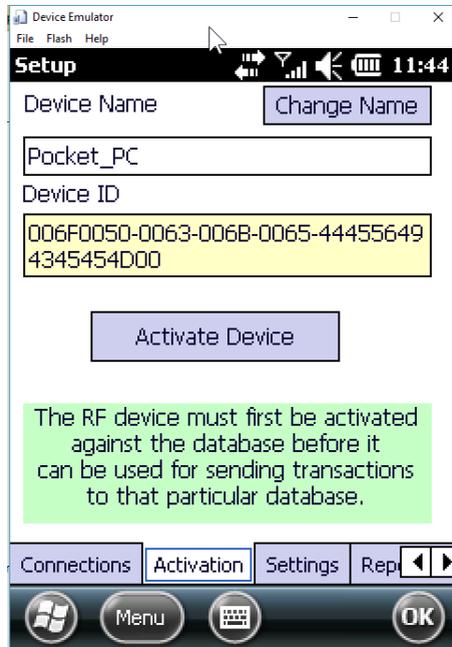
**[Test Connection]** button



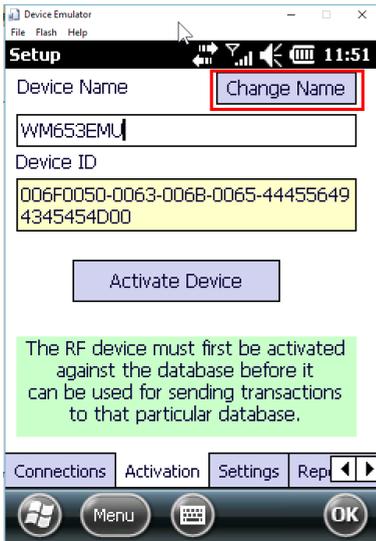
**[Apply]** button

## “Activation” tab

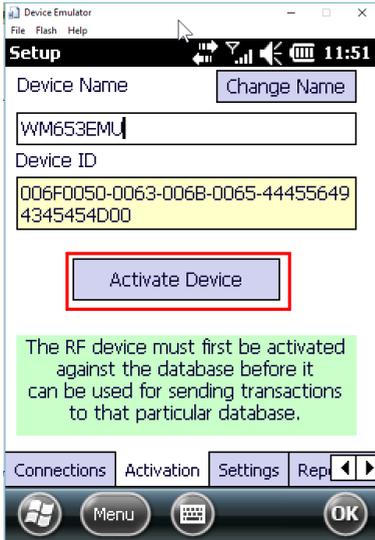
Before the RF device can access a specific database, the device must be activated against the database. This activation is performed from the “Activation” tab.



By default, Windows Mobile assigns the name “Pocket\_PC” to every Windows Mobile device. You can change the name by editing the Device Name textbox and clicking the **[Change Name]** button.



Every Windows Mobile has a unique Device ID. Only authorised Device IDs that have been activated against the database will be permitted to access the database.



The list of devices that have been activated can be viewed on the **WMS Desktop** program from the:

**Administration > SYSTEM > System Configuration > Devices Registry**

program:

CRISTAL WMS [5.401.908 build 080][Bizlink]

System Favorites Inquiry Operations Stock Management Reports Import / Export Services Billing Basic Accounting Transport / Freight Miscellaneous Administration

System Configuration

**Configuration Options**

- System Configuration
- UDF Parameters
- Product UOM
- Order Types
- Document Series
- UDF Caption Group
- UDF Fields Captions
- Whse Task Priority
- Calendar Workdays
- Devices Registry**

**Devices Registry**

Device ID	Device Name	Device Type	Assigned User	Create Date	Last Login
006F0050-0063-006B-0065-00	WMS_EMU_NIWONG	RF_PDA		2015-03-26 11:33:42	2017-03-14 05:17:07
006F0050-0063-006B-0065-443130482D3135303333	HONEYWELL01	RF_PDA		2015-03-26 02:15:26	2015-04-09 06:07:13
006F0050-0063-3531-3330-3135303333330333432	ID1503330342	RF_PDA		2015-04-08 03:15:44	2015-11-17 01:31:15
006F0050-0063-006B-0065-444556494345454D00	WM653EMU	RF_PDA		2017-02-19 06:59:25	2020-06-23 11:51:37
2F5B1900-07F6-0801-0A15-061A080E1804	WindowsCE	RF_PDA		2017-11-24 04:28:16	2019-06-14 03:10:40
00540042-002D-0057-0020-4D583736353333500	BT-W_Series	RF_PDA		2019-03-01 04:53:03	2020-01-29 01:57:13

Device Registry Maintenance

Device Type: RF\_PDA | Device ID: | Device Name: | Assigned User ID: |

Current: NI - Admin | System Configuration | CRISTAL | #refSystemConfig | Database: CRISTALWMS [Bizlink]

Each record in the Devices Registry consumes a device licence. If the number of records exceed the number of device licences, no new devices can be activated against the database. It is necessary to delete old records from the Devices Registry first before the new devices can be activated.