# Gemalto Bluetooth Device Manager

Version 3.0.X - Windows Single-Host

Integration Guide



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# CHAPTER 1 Overview

The Gemalto Bluetooth Device Manager (GBDM) application for Windows 7, 8.1 and 10, and the Bluetooth Smart Card Reader Manager use the standard PCSC interface to communicate transparently with SafeNet Reader CT1100, SafeNet Reader K1100, Ezio Bluetooth Reader and Ezio Flex Token.

The GBDM for Window (7, 8.1 and 10) provides a PC/SC compliant way to operate with Gemalto Bluetooth smart readers. Any application using the Microsoft Windows native PC/SC layer can communicate with a smart card via the Gemalto Bluetooth reader as easily as a USB reader.

A corporate application will provide smart card logon, email signature & encryption, SSL authentication and more.

An eBanking application will provide transaction signing operations between the reader and an online eBanking server.

### Prerequisites

- .Net Framework 4.5.1 must be installed on Windows 7 only.
- Update your operating system with the latest Microsoft updates.



**NOTE:** For more details on Microsoft updates, refer to the Gemalto Bluetooth Device Manager Customer Release Notes.

#### Audience

This document is intended for Administrators and Integrators.

### Supported Operating Systems

The following Windows operating systems are supported:

- Windows 7 SP1 (32-bit, 64-bit)
- Windows 8.1 (32-bit, 64-bit)
- Windows 10 (32-bit, 64-bit)



**NOTE:** Windows 7 and 8.1 must be used with a Bluegiga dongle.

### Supported Gemalto Bluetooth Smart Readers/Tokens

The Gemalto Bluetooth Device Manager (GBDM) operates with the following readers:

- SafeNet Reader CT1100 (Smart Card badge holder)
- SafeNet Reader K1100 (Smart Card Token)
- Ezio Bluetooth Reader
- Ezio Flex Token

# CHAPTER 2 Installing Windows Components

This chapter contains information about how to install the Gemalto Bluetooth Device Manager (GBDM) on Windows 7, Windows 8.1 and Windows 10 operating systems.

### Installation File Names and Product Version Numbers

The installation package can be accessed from the following link: http://support.gemalto.com/index.php?id=download\_driver\_bluetooth\_reader

Operating System	Installation File Name	Product Version Number
Windows 7 and 8.1	Gemalto_Bluetooth_Device_Manager_Win7_Win8_3.0.X.msi (This installation can be used on Windows 10 with a dongle)	3.0.X
Windows 10	Gemalto_Bluetooth_Device_Manager_Win10_3.0.X.msi (This installation is to be used with a built-in Bluetooth LE)	3.0.X

### Installing the GBDM on Windows Operating Systems

The GBDM is a middleware service, which brings the Gemalto Bluetooth smart card connectivity to the PC/SC applications.

The GBDM provides the link & the logic between the Gemalto PC/SC driver & the Gemalto Bluetooth smart reader. The GBDM is launched automatically when the operating system is started and runs in the background as long as Windows is running. It is visible in your system Services, and on the system tray bar.

Installing the GBDM will also install the Bluegiga Bluetooth Low Energy dongle driver (with Windows version 7 and 8.1) as well as the Gemalto PC/SC Virtual reader driver (V1.1.8).

It is recommended that you enable the USB Wake Support feature by installing the ControlVault driver and firmware on your DELL laptop (The relevant links are available in the Gemalto Bluetooth Device Manager Customer Release Notes), or by using the system BIOS on DELL laptops.

For more intomation, see the Gemalto Bluetooth Device Manager Customer Release Notes.



NOTE: The installation requires administrative rights.

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**NOTE:** The Bluegiga dongle is always used on Windows 7 and 8.1 (It may also be used on Windows 10).

During the GBDM installation, ensure that the Bluegiga Bluetooth Low Energy dongle is disconnected. After the GBDM has been installed, perform the following:

1. Connect the Bluetooth Low Energy dongle. The Device Setup window opens.

Installing B	luegiga Bluetooth Low Energy (COM3)
0	Please wait while Setup installs necessary files on your system. This may take several minutes.
$\sim$	

2. Let the installation run and complete automatically.

#### To install the Gemalto Bluetooth Device Manager:

This installation will install the Gemalto Bluetooth Device Manager (GBDM).

- 1. From the files provided by Gemalto, double-click either one of the following file names:
  - On Windows 7 and 8.1, double-click: Gemalto\_Bluetooth\_Device\_Manager\_Win7\_Win8\_3.0.X.msi.
  - On Windows 10, double-click: Gemalto\_Bluetooth\_Device\_Manager\_Win10\_3.0.msi.

The Welcome to the Gemalto Bluetooth Device Manager Installation Wizard window opens.

Gemalto Bluetooth Device N	Nanager - InstallShield Wizard
gemalto <sup>*</sup>	Welcome to the InstallShield Wizard for Gemalto Bluetooth Device Manager
	The InstallShield(R) Wizard will install Gemalto Bluetooth Device Manager on your computer. To continue, click Next.
	WARNING: This program is protected by copyright law and international treaties.
	< Back Next > Cancel

#### 2. Click Next.

The License Agreement window opens.

Gemalto Bluetooth Device Manager - InstallShield Wizard	X
License Agreement Gem	alto
Please read the following license agreement carefully.	y to be free
END USER LICENSE AGREEMENT	<b>*</b>
TMPORTANT-READ CAREFULLY	=
This End-User License Agreement for Gemalta software ("EULA") is a legal and binding agreement between You and Gemalto SA, a company organized and existing under the laws of France, registered under number 562 113 530 RCS Nanterre, having its registered office at 6 rue de la Verrerie, 92190 Meudon, France ("Gemalto"). "You" are a person of	o t d r s 0 r
I accept the terms in the license agreement     Print	
○ I do not accept the terms in the license agreement	
InstallShield	
< Back Next > Cancel	

3. Select I accept the terms in the license agreement and click Next. The Ready to Install the Program window opens.

🕼 Gemalto Bluetooth Device Manager - InstallShield Wizard	×
Ready to Install the Program The wizard is ready to begin installation.	gemalto
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. Click t the wizard.	Cancel to exit
InstallShield < Back Install	Cancel

4. Click Install.

The Installing Gemalto Bluetooth Device Manager window opens and the installation begins.

During the installation process, a security window opens asking if you would like to install the Bluegiga device software. This window is relevant only to Windows 7 and 8.1.

E Windows Security	
Would you like to install this device software?	
Name: Bluegiga Ports (COM & LPT)	
Always trust software from "Bluegiga Technologies Oy".	Install Don't Install
You should only install driver software from publishers you trus device software is safe to install?	st. <u>How can I decide which</u>

**NOTE:** Ensure that the **Always trust software from "Bluegiga Technologies Oy**" check box is selected.

When running the Gemalto\_Bluetooth\_Device\_Manager.msi installation in silent mode, the system requests that you confirm whether or not you trust the Bluegiga software.

Selecting the check box, followed by clicking **Install** confirms this.

This process is performed only once. If the Gemalto\_Bluetooth\_Device\_Manager software is upgraded, or uninstalled and then re-installed, the user will not be prompted with the **Always trust software from "Bluegiga Technologies Oy"** check box again.

To work around this, the IT division can trust the Bluegiga certificate via the Group Policy Object (before the Gemalto\_Bluetooth\_Device\_Manager is installed) using the Trusted Publishers certificate store.

#### 5. Click Install. The InstallShield Wizard (

Ø

The InstallShield Wizard Complete window opens.

Gemalto Bluetooth Device N	Nanager - InstallShield Wizard
gemalto	InstallShield Wizard Completed
	The InstallShield Wizard has successfully installed Gemalto Bluetooth Device Manager. Click Finish to exit the wizard.
	Show the Windows Installer log
	< Back Finish Cancel

6. Click Finish.

The Gemalto Bluetooth Device Manager appears in the system tray.

Depending on how your system is set up, the icon may also appear in your hidden system tray notification

area. Click to open the hidden icons.



The Gemalto Bluetooth Device Manager can be found under Programs and Features.

Control Panel Home View installed updates Turn Windows features on or	Uninstall or change a program To uninstall a program, select it from the list and then click	k Uninstall, Change, or Repair.				
off	Organize - Uninstall Repair				- EE	6
Install a program from the	Name	Publisher	Installed On	Size	Version	
HEWOIK	Adobe Technical Communication Suite 2015.0.1	Adobe Systems Incorporated	19-Jul-16	9.34 GB	6.0.1.37	
	a Babylon	Babylon Software Ltd.	17-Jul-16	14.1 MB	10.03.0006	
	Certificate Lifecycle Manager Client	Microsoft Corporation	17-Jul-16	3.14 MB	3.3.118.0	
	😚 Check Point VPN	Check Point Software Technologies Ltd.	14-Jul-16		98.60.276	
	Citrix Online Launcher	Citrix	11-Aug-16	296 KB	1.0.408	
	S Connected Backup/PC Agent	Autonomy Corporation plc	17-Jul-16	106 MB	8.8.0.2	
	Dell Touchpad	ALPS ELECTRIC CO., LTD.	14-Jul-16		10.1207.101.110	
	Dell WLAN HotKey Driver	Dell Inc.	18-Oct-16	3.68 MB	1.0.0.4	
	Gemalto Bluetooth Device Manager	Gemalto	27-Nov-16	2.50 MB	3.0.69	

The Bccid Service runs in the Task Manager window.

Status Running Stopped Running Running Running Running Running Running Running	Group LocalService AxInstSVGroup N/A netsvcs LocalService netsvcs bthsvcs	
Status Running Stopped Running Running Running Running Running Running	Group LocalService AxInstSVGroup N/A netsvcs LocalService netsvcs netsvcs bthsvcs	
Running Stopped Running Running Running Running Running Running Running	LocalService AxInstSVGroup N/A netsvcs LocalService netsvcs netsvcs bthsvcs	
Stopped Running Running Running Running Running Running Running	AxInstSVGroup N/A netsvcs LocalService netsvcs netsvcs bthsvcs	
Running Running Running Running Running Running Running	N/A netsvcs LocalService netsvcs netsvcs bthsvcs	
Running Running Running Running Running Running	netsvcs LocalService netsvcs netsvcs bthsvcs	
Running Running Running Running Running	LocalService netsvcs netsvcs bthsvcs	
Running Running Running Running	netsvcs netsvcs bthsvcs	
Running Running Running	netsvcs bthsvcs	
Running Running	bthsvcs	
Running		
	N/A	
. Running	netsvcs	
Stopped	N/A	
. Stopped	N/A	
Running	NetworkServ	
Running	LocalSystem	-
-	Stopped Stopped Stopped Stopped Stopped Running Running	Stopped N/A Stopped N/A Stopped N/A Stopped N/A Stopped N/A Running NetworkServ Running LocalSystem

The Gemalto Bluetooth Device Manager (e.g. COM3) can also be found under Computer Management>Device manager>Ports (COM & LPT).

**NOTE:** This window is relevant only to Windows 7 and 8.1.

The Gemalto Virtual PC/SC Multi-slots Reader is installed under the Smart card readers node.

The Bluegiga Bluetooth Low Energy dongle appears under the Ports (COM &LPT) node only if the Bluegiga dongle is connected.

🚔 Device Manager	_ 🗆 🗙	
File Action View Help		٦
⊳ Supple Computer		-
ControlVault Device		
Disk drives		
🕨 📲 Display adapters		
👂 🧤 Human Interface Devices		
Imaging devices		
Intel(R) Dynamic Platform and Thermal Framework		
Keyboards		
Memory technology driver		
Mice and other pointing devices		
Modems		
Monitors	=	
Network adapters		
Ports (COM & LPI)		
Filegiga Bluetooth Low Energy (COM8)		
Tetel(D) Active Management Technology SOL (COM2)		
Finiel(R) Active Management Technology - SOL (COM3)		
Security Devices		
Aladdin IFD Handler		1
Aladdin IFD Handler		
Aladdin VR Handler		
Broadcom Usbccid Smartcard Reader (WUDF)		
- so Gemalto Virtual PCSC Multi-slots Reader		
Smartcard Reader (WUDF)	-	
		-

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B

**NOTE:** Ensure the latest version of Gemalto Virtual PC/SC Multi-slots Reader is V1.1.8 by right-clicking **Gemalto Virtual PC/SC Multi-slots Reader>Properties>Driver**.

Your readers and tokens are now ready to work with the operating system.

### Uninstalling the GBDM from a Windows Operating Systems

The GBDM can be uninstalled by removing the **Gemalto Bluetooth Device Manager** from Add Remove Programs.

1. Go to Control Panel>Programs>Programs and Features, right-click Gemalto Bluetooth Device Manager and select Uninstall.

Control Panel Home View installed updates Turn Windows features on or	Uninstall or change a program To uninstall a program, select it from the list and then click	c Uninstall, Change, or Repair.				
off	Organize * Uninstall Repair				381 <b>•</b>	
Install a program from the	Name	Publisher	Installed On	Size	Version	
DEWOIN	Adobe Technical Communication Suite 2015.0.1	Adobe Systems Incorporated	19-Jul-16	9.34 GB	6.0.1.37	
	a Babylon	Babylon Software Ltd.	17-Jul-16	14.1 MB	10.03.0006	
	Certificate Lifecycle Manager Client	Microsoft Corporation	17-Jul-16	3.14 MB	3.3.118.0	
	😚 Check Point VPN	Check Point Software Technologies Ltd.	14-Jul-16		98.60.276	
	Citrix Online Launcher	Citrix	11-Aug-16	296 KB	1.0.408	
	Store Connected Backup/PC Agent	Autonomy Corporation plc	17-Jul-16	106 MB	8.8.0.2	
	Dell Touchpad	ALPS ELECTRIC CO., LTD.	14-Jul-16		10.1207.101.110	
	-Dell WLAN HotKey Driver	Dell Inc.	18-Oct-16	3.68 MB	1.0.0.4	
	Gemalto Bluetooth Device Manager	Gemalto	27-Nov-16	2.50 MB	3.0.69	
	a				1	

The Bluegiga Driver files are uninstalled (on Windows 7 and 8.1), followed by the GBDM files.

Gemalto Bluetooth Device Manager
Please wait while Windows configures Gemalto Bluetooth Device Manager
Time remaining: 8 seconds
Cancel

# CHAPTER 3 The Pairing Process

Use the Gemalto Bluetooth Device Manager application to manage and configure paired readers.

The following may be performed using the Gemalto Bluetooth Device Manager:

- Detect & pair new readers
- List already paired readers
- Connect & disconnect manually to paired reader
- Configure the settings on a paired reader
- Remove a paired reader

The tool is available as an icon interface of the system tray. Click on the icon to display the main interface of the application. When the tool opens, and a device was already paired, the list of available paired devices is displayed.



**NOTE:** Only one reader can be connected at a time. To switch between smart card readers, be sure to disconnect the one that's connected before connecting a new one. For details on how to disconnect the smart card reader, see the section: Connecting/Disconnecting the Smart Card Reader on page 26

### Connecting the Dongle

Connect the relevant dongle to the USB Port as follows:

- Window 7 and 8.1 Dongle Bluegiga BLED112 USB.
- Windows 10 If Bluetooth Low Energy is not supported by your computer/device, connect Dongle Bluegiga BLED112 USB

### Hardware Pairing on Windows 10

Ensure that your Windows 10 PC has native built-in Bluetooth hardware. Hardware pairing must be performed on Windows 10 systems before software pairing.

Hardware pairing is performed only once.

Follow the procedure below to establish a connection between the computer and the relevant reader.

#### To perform hardware pairing on Windows 10:

- 1. Turn the reader/token on.
  - a. On a SafeNet Reader CT1100 or SafeNet Reader K1100 device:

The red and blue lights are turned on for a second. Thereafter the red light turns off, while the blue light continues to flicker slowly.

b. On the Ezio Bluetooth Reader:

Press **OK** and ensure the device is set in Bluetooth mode (i.e. the Bluetooth switch is in the upper position).

c. On the Ezio Flex Token:

Press **OK** and ensure the device is set in Bluetooth mode (See Pairing the Ezio Flex Token on page 21).

2. Open the Gemalto Bluetooth Device Manager application by clicking the icon in the system tray

The Gemalto Bluetooth Device Manager window opens.



3. Click

The Devices ready to be paired window opens.



4. Click the device you want to pair.

The Progess bar is displayed indicating the progression of the hardware pairing.



The Device Successfully Connected window is displayed.



5. Your device appears as connected and is now paired with the GBDM.

### Pairing SafeNet Reader CT1100

**NOTE:** The SafeNet Reader K1100 is paired the same way as the SafeNet Reader CT1100, except that no smart card is inserted into the SafeNet Reader K1100.

Follow the procedures below to pair your device.

#### To pair the SafeNet Reader CT1100:

- 1. Insert the smart card into the SafeNet Reader CT1100.
- 2. Press the button on the SafeNet Reader CT1100.

The red and blue lights are turned on for a second. Thereafter the red light turns off, while the blue light continues to flicker slowly.

3. Open the Gemalto Bluetooth Device Manager by clicking the icon in the system tray.



The Gemalto Bluetooth Device Manager window opens.



Move the device to software pairing mode, by pressing the button on the device continuously (long press). The blue light begins to flicker fast and the paired smart card appears in the Ready to be paired window.



<sup>¥</sup> 

The Devices ready to be paired window opens.

Bevices ready to be paired	×
Ready to be paired: Safenet Reader CT1100 0132	C
If your device does not appear make sure it's switched on and pairing mode is activated. Read more.	

5. Click the device name (Safenet Reader CT1100 0132).

The Device Successfully Connected window opens.

(3)	Safenet Reader CT1100 0132	×
	Device Successfully Connected!	₩
	Device name Safenet Reader CT1100 0132 (i) 🛛 AutoConnect	ОК
	Unpair device Cance	l connection

- 6. The AutoConnect checkbox is enabled by default. If you do not want the smart card reader to connect automatically next time, then be sure to uncheck this option.
- 7. Click OK.

The device will now appear as connected.

Gemalto Bluetooth Device Ma	anager X
Paired Devices:	+ 0
Safenet Reader CT1100 0132 CONNECTED	PROPERTIES

### Pairing the Ezio Bluetooth Reader

Follow the procedures below to pair your device.

#### To pair the Ezio Bluetooth Reader:

1. Open the Gemalto Bluetooth Device Manager by clicking the icon in the system tray, or open your hidden

notification area by clicking in the system tray.



The Gemalto Bluetooth Device Manager window opens.

🔞 Gemalto B	Bluetooth Device Manager	×
Paired Devices:		+ 0

- 1. Click
- 2. Start the Ezio Bluetooth Reader by pressing **OK**. Ensure the device is set in Bluetooth mode (i.e. the Bluetooth switch is in the upper position).

A message is displayed: Waiting for connection.

- 3. Press Menu. The LCD displays: 1=Enable pairing.
- 4. Press 1.

The LCD displays: Waiting for connection. The letter 'P' is displayed at the top of the LCD.



The Devices ready to be paired window opens.



6. Select the reader displayed in the list.

The Ezio Bluetooth Reader – Pairing code window opens.

	~
Pairing code:	
•••••• SEND	

7. Enter the pairing code displayed on your Ezio Bluetooth Reader and click Send.

The Device Successfully Connected window opens.

Ezio Bluetooth Reader 0102	×
Device Successfully Connected! 🛛 🗙	
100%	
Device name	
Mark's Ezio Reader	
<ul><li>(i) ✓ AutoConnect</li></ul>	
Unpair device Cancel connection	
	+

- 8. Enter a **Device name**.
- 9. The AutoConnect check box is enabled by default. If you do not want the smart card reader to connect automatically next time, then be sure to uncheck this option.
- 10. Click **OK**.

Your device has been successfully connected.

Gemalto Bluetooth Device Manager	×
Paired Devices:	+ 0
Mark's Ezio Reader CONNECTED	PROPERTIES

### Pairing the Ezio Flex Token

Follow the procedures below to pair your device.

#### To pair the Ezio Flex Token:

1. Open the Gemalto Bluetooth Device Manager by clicking the icon in the system tray, or open your hidden

notification area by clicking in the system tray.



The Gemalto Bluetooth Device Manager window opens.

🛞 Gen	nalto Bluetooth Device M	lanager	×
Paired De	vices:	<b>(</b>	2



- 3. Turn the Ezio Flex Token on by pressing **OK**.
- 4. Press 9. The LCD displays: Set Parameters? Press OK.
- 5. Press 2 to select Bluetooth from the menu.
- 6. The LCD displays: Pair The Device? Press OK to activate Pairing mode.
- 7. The LCD displays: Pairing In Progress.

The Devices ready to be paired window opens.



Select the token displayed in the list. (Ezio Signer 0019)
 The Ezio Flex Token – Pairing code window opens.

(8)		$\times$
	Pairing code:	
		<b>_</b>

Enter the code displayed on your Ezio Flex Token and click Send.
 The Device Successfully Connected window opens.

At this point, the device is paired.

(8)	Ezio Signer 0019	$\times$
	Device Successfully Connected! 🔆	
	Device name Ezio Signer 0019	
	Unpair device Cancel connection	+

- 10. The AutoConnect check box is enabled by default. If you do not want the token to connect automatically next time, then do not select this option.
- 11. Click OK.

Your device has been paired successfully.

() Gemalto	Bluetooth Device Manager	×
Paired Device Ezio Signer 0019	S:	CLICK TO UNPAIR

### Unpairing the Ezio Flex Token

Follow the procedures below to unpair your device.

#### To unpair the Ezio Flex Token:

1. Click the Gemalto Bluetooth Device Manager icon.

The Paired Devices window opens.



#### 2. Click CLICK TO UNPAIR

The Unpair Device Confirmation window opens.

(3)	Confirma	ation	×
		VICE	
	(	Do you want to unpair your Bluetooth device?	
	В		

3. Click Confirm.

Your device is unpaired.

### **Unpairing SafeNet Reader CT1100**

Ø

**NOTE:** The information in this section is relevant to both the SafeNet Reader K1100 and the SafeNet Reader CT1100.

Follow the procedures below to unpair your device.

#### To unpair the SafeNet Reader CT1100:

1. Click the Gemalto Bluetooth Device Manager icon.

The paired device window opens.

Gemalto Bluetooth Device Manager	×
Paired Devices	(+) (O)
Sarah's Smart Card CONNECTED	PROPERTIES

 Select the device, which you want to unpair from the list by clicking the device name. The Unpair device window opens.

(3) Sarah's Smart Card	×
60%	(îr.
Device name	
i 🗹 AutoConnect	<u>ok</u>
Unpair device	Cancel connection

3. Click **Unpair the device**.

The **Confirmation** window opens.

(B) Confirmation	×
UNPAIR DEVICE	
Do you want to unpair your Blueto	noth device?
BACK	CONFIRM

- 4. Click Confirm. The device will be removed from the list.
- 5. If you do not want to unpair the device, click **Back**.

### Working with more than one Smart Card Reader

Two Smart Card readers cannot be used at the same time. To be able to work with one reader, disconnect the reader that is not going to be used.

Gemalto Bluetooth Device Manage	er 🗡
Paired Devices:	+0
Sarah's Smart Card (CT1100) CONNECTED	PROPERTIES
	UNPAIR

This may be performed using either one of the following methods:

- Right-click the Gemalto Bluetooth Device Manager icon and select Disconnect.
- Open the **Gemalto Bluetooth Device Manager** by double-clicking the icon. Select the relevant reader and click **Cancel connection**.

### Connecting/Disconnecting the Smart Card Reader

Follow the procedures below to connect and disconnect your smart card reader.

#### To connect a Smart Card reader:

Right-click the Gemalto Bluetooth Device Manager icon and select Connect.

Or,

1. Press the button on the SafeNet Reader CT1100.

The red and blue lights are turned on for a second. Thereafter the red light turns off, while the blue light continues to flicker slowly.

- 2. Open the Gemalto Bluetooth Device Manager.
- 3. Select the device that appears under Paired Devices.

#### To disconnect a Smart Card reader:

A Smart Card Reader can be disconnected by using either one of the following methods:

- Left-click the Gemalto Bluetooth Device Manager icon.
- Disconnecting via the Gemalto Bluetooth Device Manager.

#### To disconnect the Smart Card Reader via the Gemalto Bluetooth Device Manager icon:

- 1. Right-click the Gemalto Bluetooth Device Manager icon.
- 2. Select **Disconnect**.
- 3. Select the relevant reader name.

# CHAPTER 4 BCCIDService Settings

This chapter describes the registry key settings that are written to **HKEY\_LOCAL \_MACHINE\SOFTWARE\Gemalto\BCCIDService** when installing GBDM.

BCCID settings are policy settings that are stored in a Windows Administrative Template (ADM) file, and can be edited using Windows tools. When edited on the server, the settings can be propagated to client computers. All properties used by the BCCIDService are configurable using the registry keys. The BCCID Service reads the registry key configurations after launching the service.

When configured on a client, BCCID settings apply to the local computer only. When configured on a server, BCCID settings can be set to be propagated to the entire domain, or to apply to the domain controllers only.



NOTE: The BCCID service must be restarted in order for the configuration changes to be saved.

- For 32-bit systems, go to: HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Gemalto\BCCIDService
- For 64-bit systems, go to: HKEY LOCAL MACHINE\Wow6432Node\Policies\Gemalto\BCCIDService.

The BCCIDService contains the following registry key settings:

- APDUTimerTimeInterval
- CardCheckTimeInterval
- GraceConnectInterval
- GracePeriodMaxTimeIntrval
- GracePeriodMinTimeInterval
- GracePeriodMinTimeInterval
- LongRangeConnection
- MH\_APDUTimerTimeInterval
- MultiHostModeEnabled
- ShortRangeConnection
- StatusScantimeInterval

#### NOTE:

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It is recommended that the default settings installed with the GBDM installation are not tampered with. Changing the default settings is for advanced users only.

The image below displays the BCCIDService settings after installing GBDM.

e Edit	View	Favorites Help				
		Dell Computer Corporation Gemalto Dell CCIDService Coogle IM Providers InstallShield Intel JavaSoft JreMetrics Khronos Macromedia Macrovision McAfee Microsoft Microsoft Corporation MimarSinan	er T	Name CDefault) APDUTimerTimeInterval CardCheckTimeInterval GraceConnectInterval GracePeriodMaxTimeInterval GracePeriodMinTimeInterval CongRangeConnection MH_APDUTimerTimeInterval MultiHostModeEnable ShortRangeConnection StatusScanTimeInterval	Type REG_SZ REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD	Data           (value not set)           0x000000b4 (180)           0x0000000f (15)           0x00000005 (5)           0x00000003c (60)           0x00000000 (10)           0x00000000 (127)           0x00000000 (0)           0x00000000 (0)           0x0000000 (15)
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#### **APDUTimerTimeInterval**

Used specifically for single host mode, the APDUTimerTimeInterval registry key enables the reader to power off a card automatically after a predefined period of time. By defining this registry key, you can save a reader's (SafeNet Reader CT1100, SafeNet Reader K1100, Ezio Bluetooth Reader) power consumption. By default, the APDUTimerTimeInterval registry key is set to power off the device when idle for 180 seconds (3 minutes).

To disable the APDUTimerTimeInterval registry key, enter 0 (zero) in the Value data field and click OK.

#### **StatusScantimeInterval**

Smart Card Status Scan Time Interval defines how often the scan runs to check if the card is in the reader.

Value: in Seconds

Default:15 seconds

# **CHAPTER 5 Device Information**

This chapter contains information about how to view device information.

### **Viewing Device Information**

The Device Information option allows you to view the smart card readers that support the Bluetooth pairing feature as well as provides instructions on how to pair each device.

#### To open the Device Information window:

1. Open the **Gemalto Bluetooth Device Manager**, and click **•** 



The Devices ready to be paired window opens.

Oevices ready to be paired	×
Ready to be paired:	Q
If your device does not appear make sure it's switched or and pairing mode is activated. Read more.	

2. Click Read more.



The Select your device window opens.

(i) Select	your device		×
		=	
Ezio Bluetooth Reader	Safenet Reader CT1100	Safenet Reader K1100	Ezio Flex Token

- 3. Click one of the following readers:
  - Ezio Bluetooth Reader

The Info window opens with instructions on how to pair the device.



• SafeNet Reader CT1100



#### • SafeNet Reader K1100



• Ezio Flex Token

