Infor Factory Track Biometrics Configuration Guide

Copyright © 2018 Infor

Important Notices

The material contained in this publication (including any supplementary information) constitutes and contains confidential and proprietary information of Infor.

By gaining access to the attached, you acknowledge and agree that the material (including any modification, translation or adaptation of the material) and all copyright, trade secrets and all other right, title and interest therein, are the sole property of Infor and that you shall not gain right, title or interest in the material (including any modification, translation or adaptation of the material) by virtue of your review thereof other than the non-exclusive right to use the material solely in connection with and the furtherance of your license and use of software made available to your company from Infor pursuant to a separate agreement, the terms of which separate agreement shall govern your use of this material and all supplemental related materials ("Purpose").

In addition, by accessing the enclosed material, you acknowledge and agree that you are required to maintain such material in strict confidence and that your use of such material is limited to the Purpose described above. Although Infor has taken due care to ensure that the material included in this publication is accurate and complete, Infor cannot warrant that the information contained in this publication is complete, does not contain typographical or other errors, or will meet your specific requirements. As such, Infor does not assume and hereby disclaims all liability, consequential or otherwise, for any loss or damage to any person or entity which is caused by or relates to errors or omissions in this publication (including any supplementary information), whether such errors or omissions result from negligence, accident or any other cause.

Without limitation, U.S. export control laws and other applicable export and import laws govern your use of this material and you will neither export or re-export, directly or indirectly, this material nor any related materials or supplemental information in violation of such laws, or use such materials for any purpose prohibited by such laws.

Trademark Acknowledgements

The word and design marks set forth herein are trademarks and/or registered trademarks of Infor and/or related affiliates and subsidiaries. All rights reserved. All other company, product, trade or service names referenced may be registered trademarks or trademarks of their respective owners.

Publication Information

Release: Infor Factory Track Release level 6.01.10

Publication date: February 23, 2018

Contents

About this guide 5

Contacting Infor 5

Introduction 7

Biometric System Architecture 7

The Configuration Process 9

- Configuration prerequisites 9
- Biometric Configuration Utility 9
  - Biometric Data tab 10
  - FT Connection Data tab 11
  - Database Connection Data 12
  - Device Configuration Data tab 13

Factory Track Biometrics Utility Service 15

- Windows Service Control Panel 15

About this guide

This guide provides information for the configuration of the biometrics capability in the Factory Track application.

Contacting Infor

If you have questions about Infor products, go to the Infor Xtreme Support portal.

If we update this document after the product release, we will post the new version on this website. We recommend that you check this website periodically for updated documentation.

If you have comments about Infor documentation, contact documentation@infor.com.

Introduction

The biometric system comprises of a biometric device that is connected to the Factory Track Shared Client Terminal. The components installed on FT Shared Client Terminal for accessing the biometrics data:

- Biometric device drivers and Device SDK along with the runtime files.
- Factory Track Interface Service (Biometric Utility).

The **FT Interface Service** supports two operational modes:

- Administrator mode for the enrollment process of the employee.
- Shop Floor mode for the matching process of the employee's biometric data.

The processes required to scan, save and match the employee data in the Shared Client Terminal:

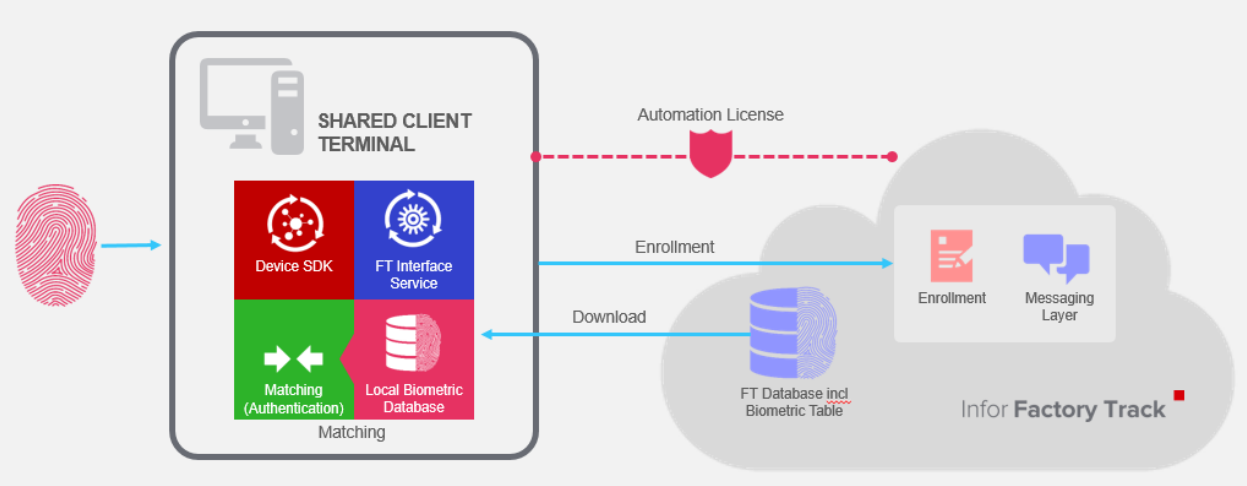
- Enrollment: The process to scan the employee biometric data which is stored in the local database.
- Matching: The matching process that verifies the employee fingerprints with the employee biometric data.

Biometric System Architecture

The architecture of the biometric system comprises of these components:

- Shared Client Terminal: The PC/tablet used by the employees. Each terminal must have a separate biometric device.
- Device SDK – The device driver provided by the device vendor. This device is installed on the Shared Client Terminal. The device is used to match biometric information of the employee.
- FT Interface Service: This service is installed on the Shared Client Terminal and provides a configuration tool to configure the .NET program running on the terminal. The service requires a local SQL Server database to store employee biometric information, downloaded automatically from the Factory Track database.
- Automation License: The FT license module that enables external applications to communicate with the Factory Track IDOs.
- Biometric Data: The local SQL Server database in which employee biometric data is stored.

Messaging Layer: The Factory Track messaging layer is developed to send messages to the FT user (administrator/supervisor).


SHARED CLIENT TERMINAL
Device SDK
FT Interface Service
Matching (Authentication)
Local Biometric Database
Matching
Automation License
Enrollment
Download
Enrollment
Messaging Layer
FT Database incl Biometric Table
Infor Factory Track

The Configuration Process

This chapter explains the process to configure the .NET program (utility) running in the Shared Client Terminal.

Configuration prerequisites

- SQL Server access
  - Server details
  - Database Name
  - Authentication type to use (Windows or SQL Server)
  - Username, if using SQL Server Authentication Type
  - Password, if using SQL Server Authentication Type
- Factory Track Server access (username/password etc.)
  - Factory Track URL
  - Factory Track Configuration
  - Username
  - Password
- Type of Biometric Device attached to the FT Shared Client Terminal

  Note: See the *Biometrics Installation Guide* for the list of currently supported devices.

Biometric Configuration Utility

The **Biometric Configuration** screen comprises of four tabs:

- Biometric Data tab
- FT Connection Data tab
- Database Connection tab
- Device Configuration Data tab

Note: The **Save Configuration** option saves the configured data in the local database, to be processed by the biometric service.

Biometric Data tab

Use this tab to specify the information related to the Factory Track user and the data required to configure the utility for specific modes.

Specify this information:

PCUser
The user accessing the Factory Track application on the PC or Tablet.

Note: If this user ID does not match the logged-in user, the application stops working, as messages are sent to the wrong user.

Mode

The mode utilized to capture and save the data:

- Enrollment/Download: Use this option to capture and save the biometric data of the employee. The data is saved on the local SQL Server database and the Factory Track database.

  Note: Only one PC must run in this mode, at a given point of time.
- Enrollment: Use this option to capture and save the data when another user is running the Enrollment/Download mode.
- Matching: Use this option to match the scanned biometric information with the data saved in the local database.
- Download: Use this option to synchronize Factory Track database with the local database.

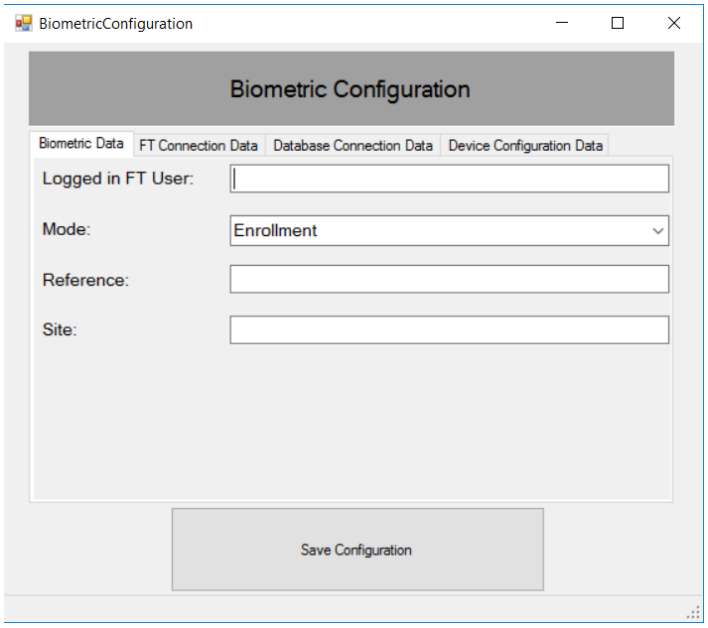
  Note: This option is run periodically to ensure that the databases are synchronized.

Reference

The reference used to record the origin of the message.

Site

The FactoryTrack site of the Biomteric reader. This value needs to match the value on the FactoryTrack Site Parameters page.



FT Connection Data tab

Use this tab to specify the data required for the Factory Track application:

URL

The address of the Factory Track instance.

Configuration

The configuration of the Factory Track instance.

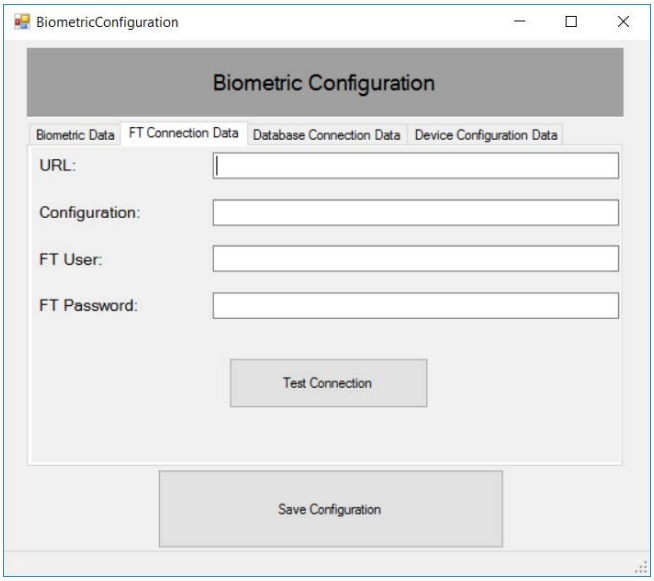
FT User

The name of the authorized FT user.

FT Password

The password of the FT user.

Use the **Test Connection** option, to validate the configuration data for the specified Factory Track instance. The (red cross image) indicates that the configuration data is not valid. The (green tick image) indicates that the configuration data is valid.



Database Connection Data

Use this tab to specify the data required to connect to the local SQL Server.

Specify this information:

Server

The server to link the .net program to the address of the local SQL Server database.

Database

The database to link the .net program to the correct database on the local SQL Server.

Authentication Type

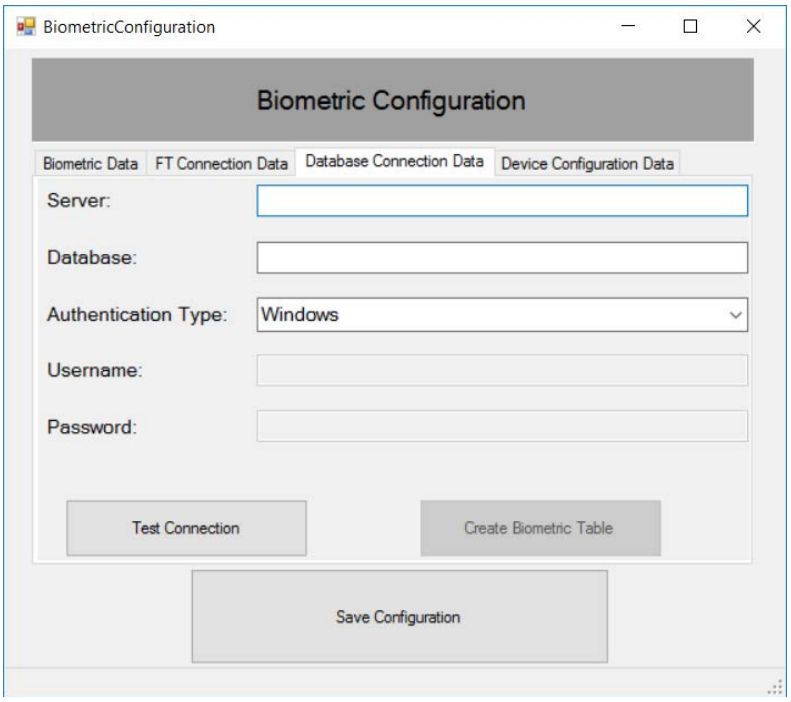
The authentication type to access the local SQL Server database.

Username

The username for the local SQL Server database.

Password

The password for the local SQL Server database.



Use the Test Connection option to validate the specified information and enable access to the local SQL Server database. The (red cross image) indicates that the configuration data is not valid. The (green tick image) indicates that the configuration data is valid.

Use Create Database Table option to create the biometric table in the local SQL Server database. The (red cross image) indicates that the table is not created. The (green tick image) indicates that the table is successfully created.

Device Configuration Data tab

Use this tab to specify the information related to the configuration of the Biometric Device.

Specify this information:

Device Vendor

The name of the biometric device vendor. The possible values are:

- SecuGen
- DigitalPersona

Interface DLL

The .NET DLL that implements the biometric device.

Interface Class

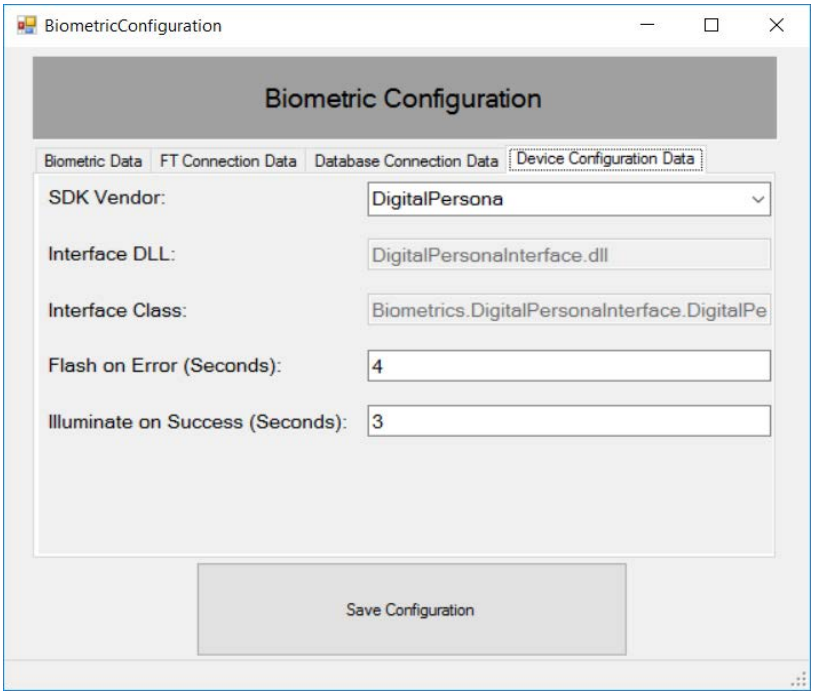
The .NET Class, including namespace, of the object that implements the Biometric interface.

Flash on Error (Seconds)

The seconds for which the LED light must flash on the biometric device in case of an error during the validation

Seconds to illuminate

The seconds for which the LED light must flash on the biometric device when the validation is successful.



Click **Save Configuration**.

Factory Track Biometrics Utility Service

You must start the biometric service after the configuration of the utility is complete.

Windows Service Control Panel

To start the biometric service on the shared client terminal:

1. Click **Start** Menu and enter services.
2. Select Services. The Services screen is displayed.
3. Right click **Infor FactoryTrack Biometrics Service**.
4. Select the **Start** option. The biometric utility service is initiated.
5. Ensure that **Infor FactoryTrack Biometrics Service** is running.