Installation

Server installation:

Check if the following Redistributable Packages are installed:

* Visual C++ 2008 Redistributable Package(x86, x64)
* Visual C++ 2010 Redistributable Package(x86, x64)
* Visual C++ 2012 Redistributable Package(x86, x64)
* Visual C++ 2015 Redistributable Package(x64)

Check if the following IIS services are set:

* IIS Admin Service
* WWW Publishing Service
* Web Management Service
* Application Host Helper Service
* Windows Process Activation Service

Install Neurotechnology SDK:

* Neurotec Biometric 9 0 SDK (2016-12-06)
* Set PATH environment variable to

C:\Program Files (x86)\  
Neurotechnology\Neurotec Biometric 9.0 SDK\Bin\Win64\_x64;

* Install the following biometric licenses:
  + FingerFastExtractor,
  + FingerFastSegmenter,
  + FingerFastMatcher,
* Remove all scanner folders, but NdmArhFps, NdmFutronic from C:\Program (x86)\Neurotechnology\Neurotec Biometric 9.0 SDK\Bin\Win64\_x64\FScanners

Using IIS management console, install the following WCF services:

* CommonService
* BiometricService
* MemoryCacheService

Client installation:

Check if the following Redistributable Packages are installed:

* Visual C++ 2005 Redistributable Package(x86, x64)
* Visual C++ 2008 Redistributable Package(x86, x64)
* Visual C++ 2010 Redistributable Package(x86, x64)
* Visual C++ 2015 Redistributable Package(x86, x64)

Install Neurotechnology SDK:

* Neurotec Biometric 9 0 SDK (2016-12-06)
* Set PATH environment variable to

C:\Program Files (x86)\  
Neurotechnology\Neurotec Biometric 9.0 SDK\Bin\Win64\_x64;

* Install the following biometric licenses:
  + FingerClient
* Remove all scanner folders, but NdmArhFps, NdmFutronic from C:\Program Files (x86)\Neurotechnology\Neurotec Biometric 9.0 SDK\Bin\Win64\_x64\FScanners

Install the scanner drivers:

* Futronic FS 50 (Futronic.zip)
* AFS 510 (pr-fps-2.1.5-26.zip)

Install the following Windows applications:

* PassportReader
* PSCBioIdentification

Windows Firewall:

* Set inbound rule of World Wide Web Services (HTTP Traffic-In) to  
   Allow Connection

Microsoft SQL Server:

Modify the Egy\_T\_FingerPrint table definition using the following ALTER TABLE Transact SQL statements:

USE [MCCS\_FP]

alter table [Egy\_T\_FingerPrint] add li varbinary(max) null

alter table [Egy\_T\_FingerPrint] add lm varbinary(max) null

alter table [Egy\_T\_FingerPrint] add lr varbinary(max) null

alter table [Egy\_T\_FingerPrint] add ll varbinary(max) null

alter table [Egy\_T\_FingerPrint] add ri varbinary(max) null

alter table [Egy\_T\_FingerPrint] add rm varbinary(max) null

alter table [Egy\_T\_FingerPrint] add rr varbinary(max) null

alter table [Egy\_T\_FingerPrint] add rl varbinary(max) null

alter table [Egy\_T\_FingerPrint] add lt varbinary(max) null

alter table [Egy\_T\_FingerPrint] add rt varbinary(max) null

Install ExtractFingerRecords console application on the server computer.  
The ExtractFingerRecords splits a WSQ image into 10 fingerprint templates,

it requires 2 parameters,  
the first one is an offset of a chunk from the beginning of Egy\_T\_FingerPrint table,  
the second is an number of chunks.  
One chunk is 10000 records. The splitting process is quite lengthy, so it is recommended to run the program with no more than two chunks.

To set a proper database connection string edit the ExtractFingerRecords.exe.config file.

Run Command prompt:

cd C:\Program Files\PSC\ExtractFingerRecords

ExtractFingerRecords 0 1