Fingerex for Windows 3.8
Installation & Configuration Guide

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Before Begining

System Requirement

Fingerex requires following environment for server installation.

For server;

O/S:	Microsoft Windows 2000 Server or above
CPU:	Pentium4 1GHz or above
Memory:	1GB or above
HDD:	10GB
Application:	Microsoft IIS 5.0 or above
Database:	RDBMS with ADO support
	(Example: Microsoft SQL server, Oracle,
	Microsoft Access…etc.)

For client;

O/S:	Microsoft Windows XP or newer
CPU:	Pentium4 1GHz or above
Memory:	Minimum requirement of O/S
HDD:	20MB
Application:	Microsoft IE 5.0 or above
	(For web application logon)

Network Consideration

Fingerex requires certain network implementation. In a nutshell, Fingerex server should be able to communicate with

client and database system. Since Fingerex server does not communicate with legacy application system directly, no network connection between two system. This gives more secure networking design possibilities.
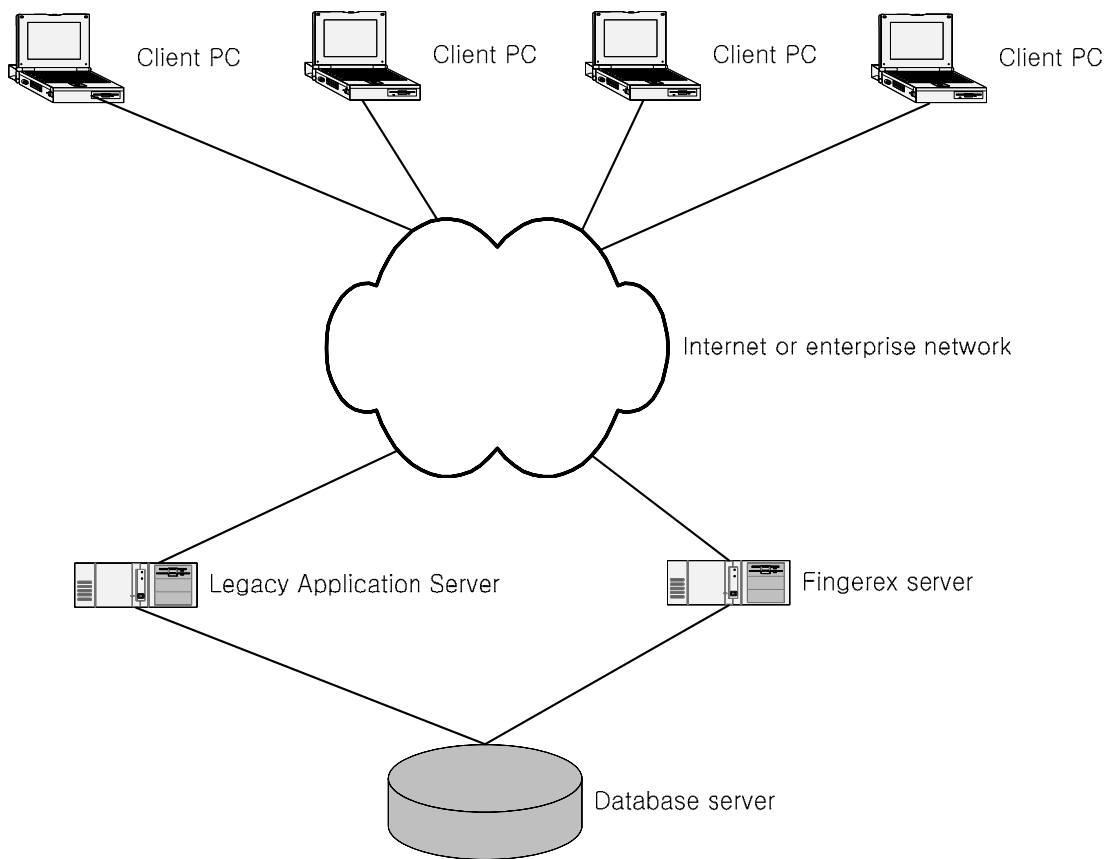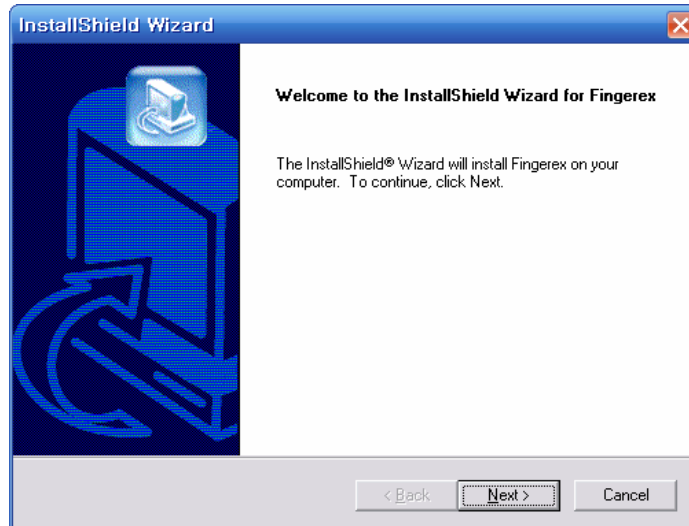

Fig 1 Typical Network Configuration

Server Installation
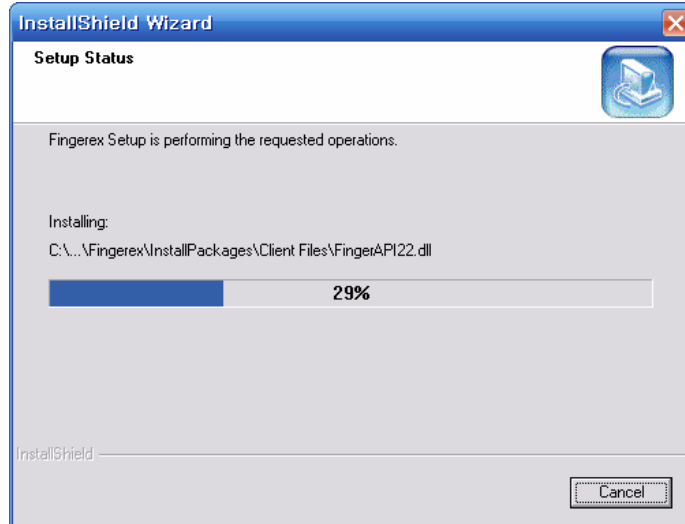
Install on Single Server

When you start installation, following dialog will appear.

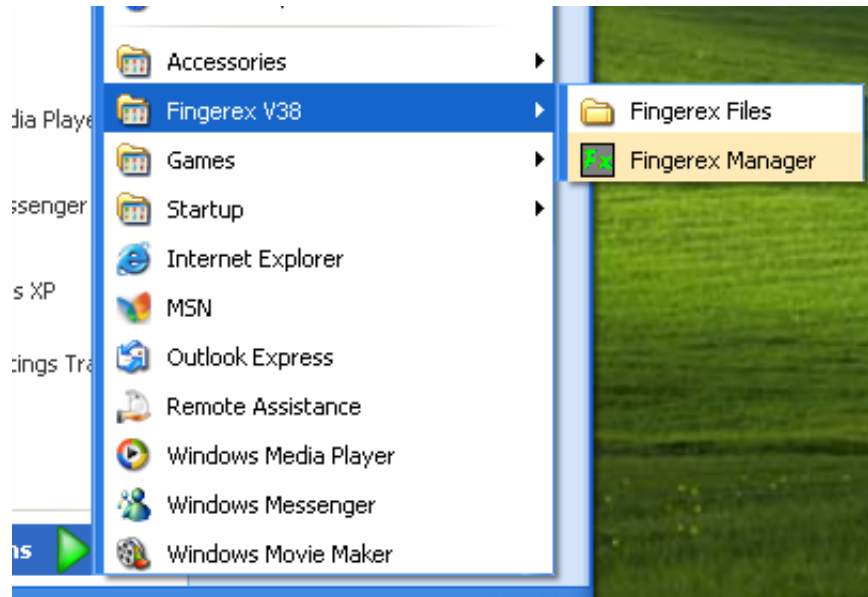After reading software license agreement, click "Yes"

Fingerex is being installed

After installation, you need reboot system.

After installation, you should be able to see following menu.

If you click "Fingerex Files", you should see following contents.

DBSample   Contains sample database files.
                  - dbFingerex.mdb
                  - TableScript.sql

Drivers	Contains FD/FM fingerprint scan device driver
InstallPackages	Contains three different packaged client application and fingerprint scan device driver auto installer.

- Client Files : File for include into your install package

- Normal : Self installation package

- WEB : For embedding inside web pages

Manual	Contains all manual for Fingerex
SDK Samples	Contains two samples.

- Microsoft .NET Sample (for Microsoft visual studio 2005 or new)

- WEB Sample

Server Configuration

Following picture shows Fingerex Manager, a configuration tool.
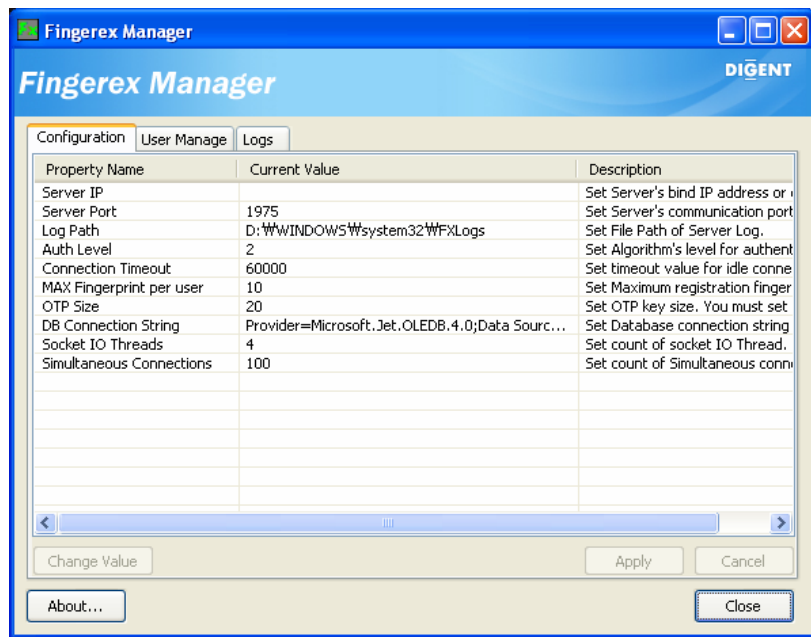
You can find general description on right side of panel.

Server IP   IP address of Fingerex server. If registered, Fingerex will only accept registered IP for connection. For example, if this IP has value of 127.0.0.1, only local connection is allowed. If server has multiple IP address and wants to accept

	with specific IP, write down in this field. Initial value is blank-which mean accepting all connections.
Server Port	TCP port for Fingerex service. Default is 1975.
Log Path	Location of Fingerex operation log. Default is Windows\System32\FXLogs
Auth Level	Strength of fingerprint authentication level. For current version, there are 3 options; 2 High Secure 1 Medium Secure 0 Lower Secure
Connection timeout	Timeout value for forced client hang-up by server. In milliseconds.
Max fingerprint per user	Maximum numbers of fingerprint per user on database
OTP Size	Length of onetime password for session identification. Default is 20.
DB Connection String	Database connection string. ADO connection needed.

|	
Socket IO Threads	Number of thread for communication handling.
Simultaneous Connections	Number of maximum concurrent user connection to Fingerex server.

Following picture shows user list of Fingerex server.
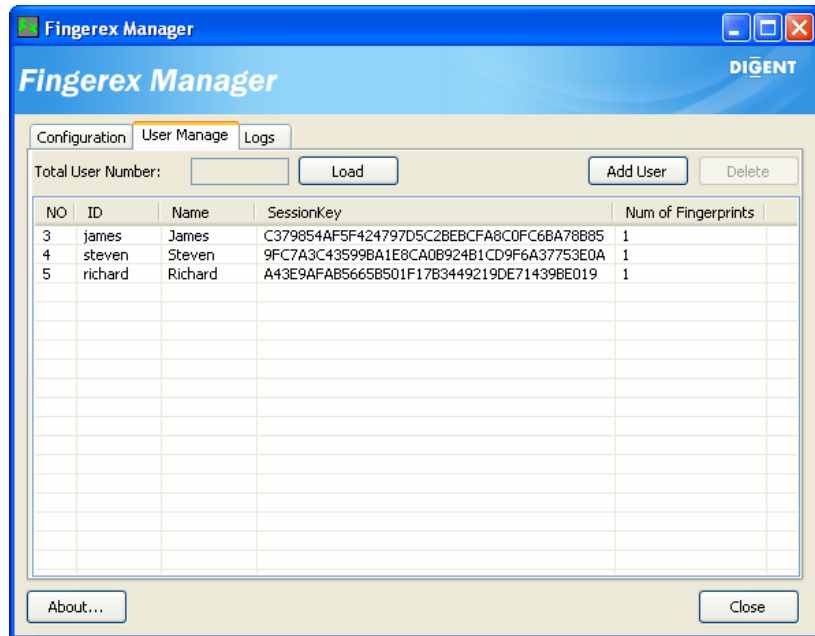
Please note that SessionKey is not a permanent value but changing every fingerprint authentication. It is session based value.

Following picture shows log-managing panel. If you double-click on entry, a notepad will open with corresponding log.

Start & Stop Service

You can start & stop Fingerex service with Windows service called "Fingerex V38 NT Service".

Client Installation

Device Driver Installation

Client PC needs to install device driver for FD or FM

fingerprint reader. When you executing device driver install program, following dialog will be display.

After click "Install" Button, following screen will display.
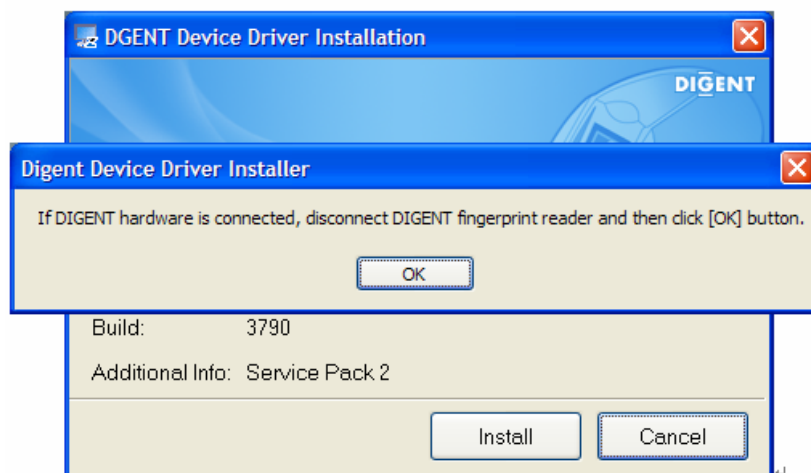
Be sure disconnecting FD or FM before clicking "OK"

Device driver installation is successful.

Three Types of Installation

There are three ways to install client module of Fingerex on individual PC;

● Web .CAB installation

> Web installation happens automatically when a client first opens logon page. No additional installation required.

● Individual install program comes from Digent

> There are client install package on Fingerex client CD. You can distribute among client to install.

● Module for integrating into your install program

You can locate Fingerex client module on CD. You can include this module inside your install package for singular installation of all application for client PC.

Following is step by step procedure for individual install program from Digent.
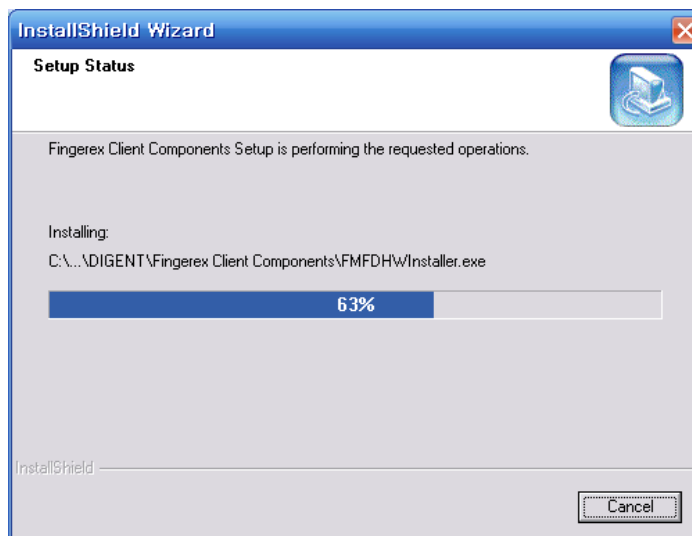
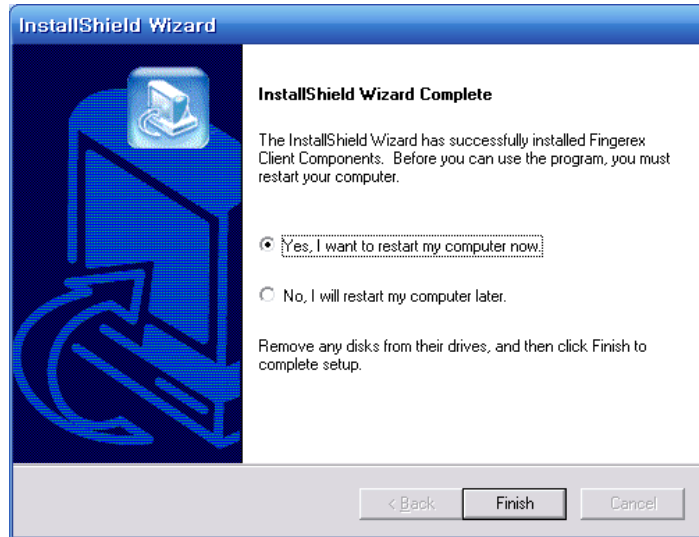Installation package can be found at C:\Program Files\Digent\Fingerex\InstallPackages\Normal\FXClientComponent.exe
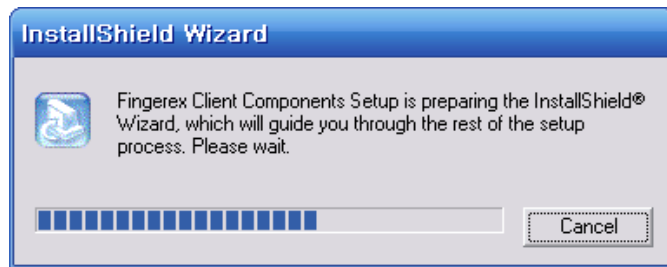
Installshield is preparing install.
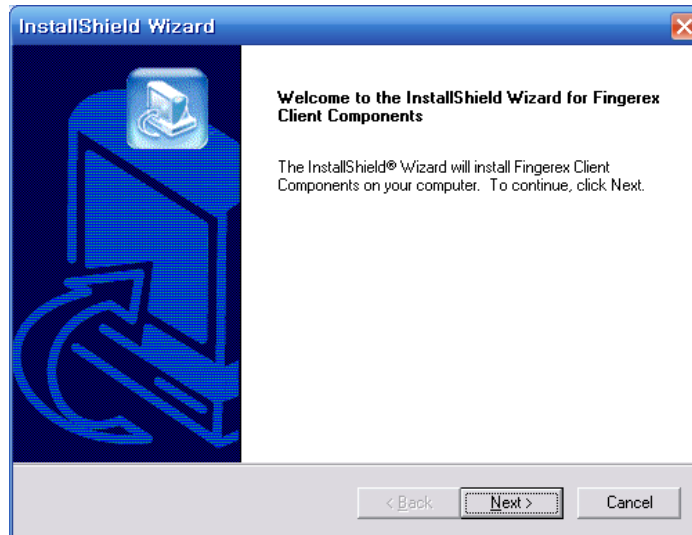
Click "Next" to start installation.

Installation in progress.

Reboot after installation.

Sanity Check

To ensure its installation, you can check functionality with simple web based check.

You can find web pages on installed files.