

UNIOTP SDK GUIDE

VERSION 1.1

SecuTech

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Contact Information

HTTP: www.eSecuTech.com

E-Mail: Sales@eSecuTech.com

Please Email any comments, suggestions or questions regarding this document or our products to us at: Sales@eSecuTech.com

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CE Attestation of Conformity



UniOTP is in conformity with the protection requirements of CE Directives 89/336/EEC Amending Directive 92/31/EEC. UniOTP satisfies the limits and verifying methods: EN55022/CISPR 22 Class B, EN55024: 1998.

FCC Standard



This device is in conformance with Part 15 of the FCC Rules and Regulation for Information Technology Equipment.

Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Conformity to ISO 9001:2000



The Quality System of SecuTech Solution Inc., including its implementation, meets the requirements of the standard ISO 9001:2000

ROHS



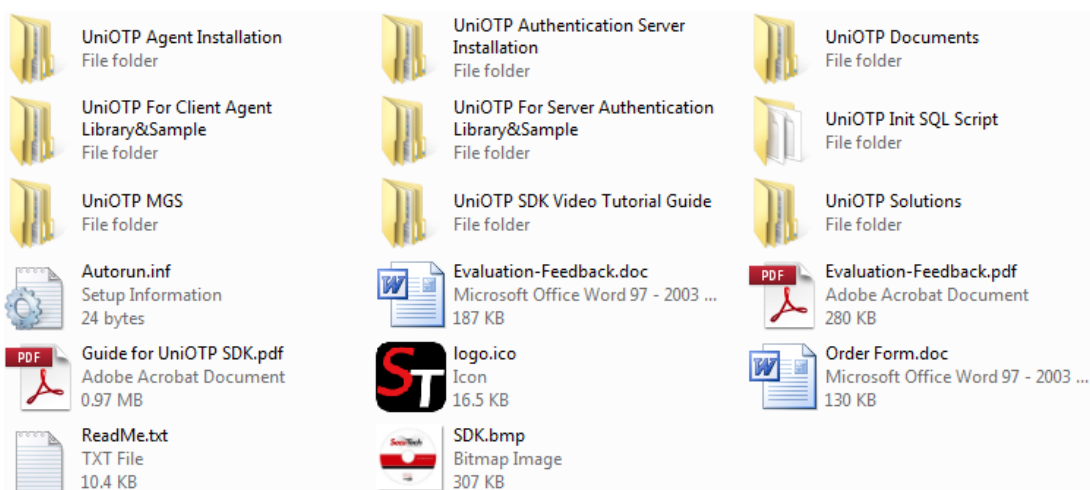
All UniOTP products are environmental friendly with ROHS certificates.

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About this guide

UniOTP SDK is the distributable package for UniOTP dynamic password authentication. This document is intended to be used as an introduction to the SDK and it's contents. It contains the following files and folders:



Chapter 1: UniOTP Server Installation

UniOTP Authentication Server Installation contains Authentication Server components for the UniOTP dynamic password authentication system, including both Linux and Windows versions.

For the Windows version, you can directly execute the installation software to install the Authentication server, however for the Linux version, you need to first uncompress the corresponding archive and execute 'install' in order to complete the installation.

Once UniOTP Authentication Server installation has finished, you need to modify UniOTP Authentication Server configurations. Under Windows, you can use Service management tools or directly edit the configuration file. Under Linux, you need to manually edit the configuration file in order to perform configuration changes.

Please see the Readme document inside the corresponding installation package for further details. Before deploying UniOTP Authentication Server, You must prepare the database environment used by UniOTP.

1.1 Create a database for UniOTP Dynamic password authentication system

The character set used by UniOTP system is UTF-8

You can use your current database system, or you can create a database using the User Interface provided by your database type. Please use the SQL statements inside UniOTP Init SQL Script to initialize database tables.

For the ODBC driver for the database you have pre installed and are using, add the UniOTP data source (DSN, Data Source Name), related to the database created in step I.

1.2 UniOTP MGS

UniOTP Management System is a web based management system for the UniOTP dynamic password authentication system, providing a convenient way to manage users. Before deploying UniOTP, you need to complete the following preparation steps:

1.2.1 Pre installation

UniOTP MGS is developed in PHP, before deploying UniOTP MGS, you need to of already installed Web Server Software, PHP and database products and configured them.

1.2.2 Configuration

Complete database preparation for UniOTP authentication system (Please refer to explanation about database creation in the UniOTP Authentication Server Installation folder). Once the above preparation work is complete, you can deploy UniOTP MGS. You can directly execute installation software or installation script to complete the installation. Before using UniOTP MGS, you must adjust the parameters inside the configuration file: "WWWROOT/UniOTPMGS/otp_config.php".

1.2.3 Configuring opt_config.php

Default port
for mySQL is
3306

Default port
for SQL
Server is
1433

\$mydbhost	Database server address (IP address or URL)
\$port	Port used by the database
\$mydbuser	Username used to connect to the database
\$mydbpw	Password for the user defined as \$mydbuser
\$mydbname	The database name for UniOTP Dynamic Password Authentication system.
\$dbtype	Database type (1 Mysql 2 Postgresql 3 SQL Server 4 Oracle)
\$userconf['lang']	Language used by UniOTP MGS "en" for English, "fr" for French. At this step, you can already access to UniOTP MGS in your web browser (IE7+/Firefox/Opera/Safari, etc.). For details about operations, please see UniOTP Management System Guide.pdf.

In order to be able to use UniOTP MGS normally, please make sure you activated the corresponding PHP module.

To active the PHP module for MySQL, you just need to delete the ';' at the beginning of the line "; extension=php_mysql.dll" (or ; extension=php_mysql.so) and restart the Web server.

1.3 UniOTP Init SQL Script

UniOTP Init SQL Script contains the UniOTP dynamic password authentication system database initialization SQL script.

1.4 UniOTP Agent Installation

Inside 'UniOTP Agent Installation' you can find UniOTP PAM Agent, UniOTP WinLogon Agent (for XP /2000 /2003) and UniOTP WinLogon Agent (for Vista /Win7 /Win2008). Please refer to the corresponding guides for Installation and usage.

1.5 UniOTP for Client Agent Library & Sample

UniOTP for Client Agent Library & Sample contains UniOTP Agent programming libraries and samples, the user can use UniOTP for Client Agent Library to perform secondary development, and integrate application systems with UniOTP Authentication system. Please refer to the UniOTP Agent Manual.pdf for usage.

1.6 UniOTP for Server Authentication Library & Sample

UniOTP for Server Authentication Library & Sample contains UniOTP Server programming libraries and samples, the user can use 'UniOTP For Server Authentication Library' to add dynamic password features and dynamic password system management features to an application. For further details about API features and usage, please refer to UniOTP Server Manual.pdf.

1.7 UniOTP Solutions

UniOTP Solutions contains several examples of how to use UniOTP Authentication system.

1.8 UniOTP Documents

UniOTP Documents contain several documents concerning UniOTP.

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www.eSecuTech.com SecuTech Solution Inc.

North America

1250 Boulevard René-
Lévesque Ouest, #2200,
Montreal, QC, H3B 4W8,
Canada
T: +1 -888-259-5825
F: +1 -888-259-5825 ext.0
E: INFO@eSecuTech.com

China

Level 12, #67 Bei Si Huan
Xi Lu,
Beijing, China, 100080
T: +8610-8288 8834
F: + 8610-8288 8834
E: CN@eSecuTech.com

APAC

Suite 5.14, 32 Delhi Rd,
North Ryde,
NSW, 2113, Australia
T: 00612-9888 6185
F: 00612-9888 6185
E: AUS@eSecuTech.com

EMEA

4 Cours Bayard 69002
Lyon, France
T: +33-042-600-2810
F: +33-042-600-2810
M: +33-060-939 6463
E: Europe@eSecuTech.com

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