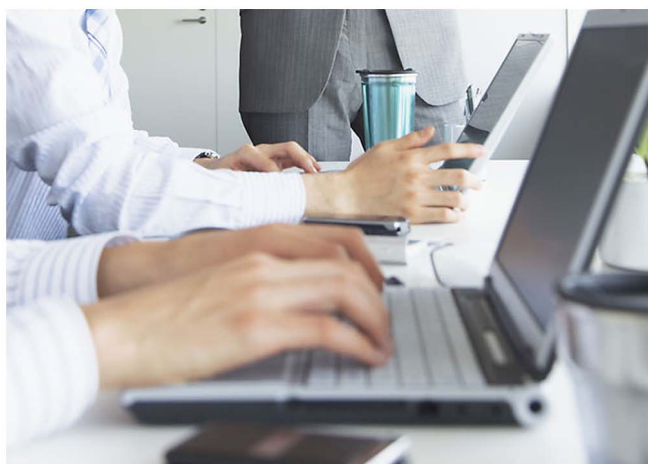


## UniOTP Server Product Overview



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## **1. Introduction**

UniOTP authentication system is a strong authentication system that makes use of dynamic passwords. This system is designed to provide to user application systems more secure authentication service and improve the security of user accounts

UniOTP Authentication server uses a scientific software structure, advanced and mature software technologies, that have some advantages such as being highly reliable, easy to implement and easy to maintain. It supports Radius Authentication protocol, providing seamless authentication integration and flexible authentication solutions compatible with any device supporting the Radius Protocol or any system based on the C/S and B/S models, in order to satisfy any user's authentication needs.

## **2. Product particularities**

### **2.1 Platform particularities**

UniOTP Authentication Platform has the following particularities:

1. Supports many operating systems
2. ODBC database connection and database special connection support a

wide range of database or its combination.

3. Provide a web based management system
4. Provides authentication Agent and authentication Server software development kit in many programming languages.
5. Support Radius authentication protocol, providing convenience for centralized authentication.
6. High reliability and support massive concurrency certification
7. Authentication service particular flexible settings

## **2.2 Security Particularities**

1. Password dynamism provides a protection against peeking, brute force attack and all sorts of attacks.
2. Password generation is made without pattern, making it unpredictable.
3. Each dynamic password is only valid once, after usage, it becomes invalid. It can efficiently protect from Trojans, network interception, and all these kind of attacks stealing the password.
4. Dynamic password and static password can be used together for authentication, providing 2 elements of authentication and in this way, strengthen user information safety.
5. Software layer perform user account risks prevention

## **2.3 Other advantages**

1. With more security, reduce potential economic loss
2. Provide continual service for the whole process presale, sales, after sales.
3. Provide many administration tools and efficiently reduce system maintenance cost for the user
4. Provide many kinds of second development samples, making shorter development cycles for the user and reducing cost.
5. All kinds of directly usable system integration solutions, reducing implementation cost.

## **3. Product characteristics**

### **3.1 Features**

Many platforms : supports Windows、Linux and other operating systems.

Many databases: supports Oracle, SQL Server, MySQL , PostgreSQL

Administration: Provide a Web based information management system and a desktop service management tool.

Conformed to standard: Radius authentication protocol, HOTP/TOTP

OATH standard algorithm,

ODBC database connection, LDAP User integration

Second development SDK: provide samples for C/C++/Java/C#/PHP, etc.

making simpler authentication agent and authentication server development for the user.

Token type: time based, event based, challenge/response

### **3.2 Integration methods**

1. Supports Radius protocol to perform system seamless integration.
2. Perform integration through the agent installation.
3. Use the SDK for application post development and integration

### **3.3 Application domains**

1. Used in finance, e-commerce, telecommunications, education, entertainment domains.
2. Used in computer networks, smart home, smart security domains
3. Used for intranet application systems, company office automation, and company mail systems.
4. Used to protect operating system logon and assure other basic software security