

# PassGen for Windows

Protecting systems using One-Time Passwords

## PassGen for Windows

PassGen is a toolkit to generate one-time passwords.

PassGen provides two one-time password systems in one convenient Windows application:

The IETF One Time Password Standard - S/KEY (RFC 1760). Most UNIX and Firewall systems provide support for this standard.

IBM Security Server ( RACF™ ) Passticket algorithm available in RACF, CA-ACF2 and CA Top-Secret. This provides secure logon to IBM Mainframe systems. The Passticket can be used as a direct replacement for static Passwords; no changes are required to your existing applications.

### One-Time Password:

A One-Time Password is a password that is used only once.

It can be used to authenticate users in a secure manner across insecure networks as once the password is used it can never be used again.

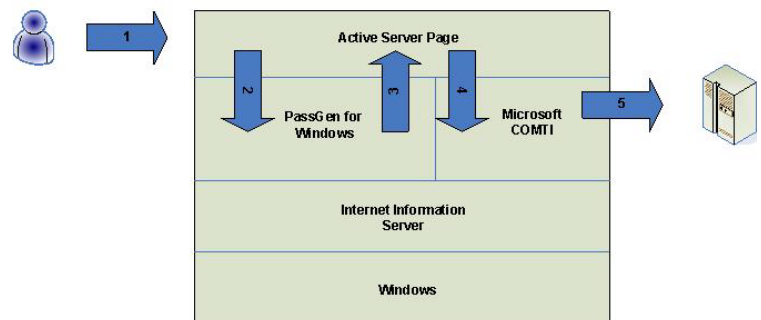
### What does this toolkit consist of?

- \* C++ Classes to help you use the IBM Security Server (RACF) Passticket interface
- \* C++ Classes to help you use the S/Key interface
- \* Visual Basic interface to help you use the IBM Security Server Passticket interface
- \* Visual Basic interface to help you use the S/Key interface
- \* C interface to help you use the IBM Security Server Passticket Interface
- \* C interface to help you use the S/Key Passticket Interface
- \* A key storage facility (The Keystore) that stores your keys in an encrypted manner.
- \* Sample Visual Basic Application
- \* Sample C++ Application
- \* User Interface Applications

**The Keystore:** To provide secure storage PassGen provides an encrypted database called a Keystore. A Password is required to encrypt and decrypt data in this database.

**User Interface application:** This application provides users immediate access to the toolkit with an application that can be used to store keys and generate One-Time Passwords. Users can try this technology easily and quickly by generating a password and then using cut-and-paste to input it into an application.

**Platforms Supported:** Windows 95/98, 2000, 2003



### Key Benefits:

- \* Easily generate single use IBM Security Server Passtickets in your applications.
- \* Easily generate S/Key one time passwords.
- \* Prevents Passwords from being intercepted on LAN and WAN.
- \* Provides secure storage for One-Time Password keys.
- \* Quick start with a supplied sample Passticket application

### Programming Interfaces:

- \* ActiveX for use with Visual Basic, Delphi.
- \* COM for use with IIS and user applications.
- \* C/C++ interfaces for user applications.
- \* Java Native Interface (JNI) under Windows: Allows systems such as WebSphere and Tomcat to access the PassTicket algorithm.

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