



## DynaPass – Wireless Secure Access

### The Problem

Most user accounts on computer systems are susceptible to hacker intrusion at all times. To protect these accounts, users are encouraged to have a password that is difficult to guess and to change it frequently. But this not only makes it difficult for the user themselves to remember, it also increases the cost of user maintenance, since forgotten passwords result in calls to their help desk for costly password resets.

### The DynaPass Solution

DynaPass offers the perfect solution that offers increased security and ease of use. Accounts are disabled when the user is not present and no passwords are necessary. DynaPass opens the account for a short time, at the user's request, and sends a One-Time-Password (OTP). Accounts are then protected and users don't have to remember a strange password. Nothing needs to be installed on the user's computer, and the user needs only a phone or other compatible device.

### How It Works

When it's time to log in to the corporate server, the user requests a password from DynaPass. This can be done in different ways. If the user has a cell phone with SMS (Short Message Services) they can send a message to DynaPass. If the cell phone (or any phone) has Caller ID, the user can simply call DynaPass and hang up. There is an optional secret prefix that's easy to remember, but gives extra security in the event that the phone is lost.

Authorized users can log in to your DynaPass web page and request a password. After a few seconds, the One-Time-Password comes back as a text message on the phone or in an E-mail. At the same time the password is sent, the account will be enabled for a short time so the user can log on.

Then the account is disabled again. For a normal user, accounts are closed 99.8% of the time.

### Three Simple Steps

1. Use your mobile phone to dial DynaPass
2. Get new password from DynaPass
3. Log in to system



1.



2.



3.

### Log in to system

- To request a password, the user calls the DynaPass server via cellular phone, or sends a message from the DynaPass web page.
- DynaPass then generates a random password and sends it back to the user in a text message to the phone, or in an E-mail, enabling the user's account for a few minutes.
- The user then has a few minutes to log in with the new password, in combination with the secret optional personal prefix, before the account is disabled again.

### Easy Administration - Return On Investment

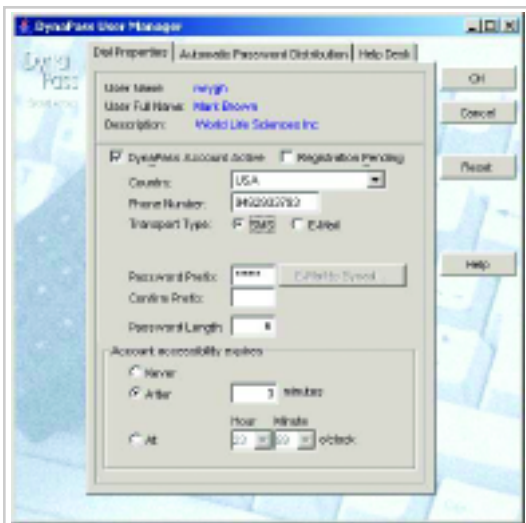
DynaPass can save a substantial amount of money with its easy administration. Password maintenance is a difficult task for system administrators who must also maintain security. Telephone support for users who have forgotten their passwords is one of the greatest expenses of help desks, accounting for up to 30 percent of the work cost in help desks (Gartner).



DynaPass User Manager is the tool used by administrators to maintain users. It allows for maintenance of mobile phone numbers for users, while the DynaPass database consists of rules and objects on different DynaPass users such as conditions for logging on, secret parts of passwords, time limits etc.

## Features & Functions of DynaPass:

- *Creation and distribution of One-Time-Passwords (OTP)*
- *On-request distribution of OTP to mobile phones and other devices*
- *Automatic enabling and disabling of user accounts*
- *Secret individual part of password (prefix)*
- *Automatic registration of mobile phone*
- *Different length of passwords*
- *Automatic distribution of dynamic passwords can be set on day and time*
- *Templates for defined rules in DynaPass*
- *Event logs*
- *Supports fault-tolerance and load balancing*
- *Sends OTP (SMS or E-mail) through a phone connected to DynaPass*
- *Sends and receives SMS through SMS center in an Operator's network via IP*



## System Requirements

### DynaPass platforms

- MS NT/WIN 2000/XP Domains
- MS Active Directory
- Novell eDirectory (NDS)
- LDAP compatible

### DynaPass server

- Pentium processor with at least one serial port available
- Microsoft NT4 Service Pack 4 or later
- Microsoft Windows 2000 / XP
- Microsoft SQL Server depending on selection of database

### Mobile phone server side

- SMS send and receive capabilities
- Asynchronous serial interface compliant with:
  - ETSI GSM 07.05
  - ETSI TS 100 916 V7.5.0 (GSM 07.07)
- Serial cable to connect to DynaPass Server

### DynaPass User Manager

- Pentium processor
- Microsoft NT4 Service Pack 4 or later
- Microsoft Windows 2000 / XP
- JAVA Virtual Machine version 1.3 or later
- SVGA Resolution

### DynaPass User devices

- Any device capable of receiving SMS or email messages



## Headquarters

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Patent Pending