

# Security string

## Contents

- [1 Overview](#)
- [2 Key points of the security string](#)
- [3 Prerequisites](#)
- [4 Using Security Strings](#)
  - ◆ [4.1 Known Problems](#)
  - ◆ [4.2 Troubleshooting](#)

## Overview

Security String is the term used to describe a PIN protected [One Time Code](#) (OTC) and used as a password or passcode that can only be used a single time. Once it has been used, successfully or unsuccessfully, then it becomes invalid. The Swivel Authentication platform provide an security to a user in a number of ways:

- [SMS Text message](#)
- [Single channel image](#) such as [TURing](#) or [Pinpad](#)
- [Mobile Phone Client](#) application
- [Email](#)
- [Taskbar](#)

Instead of a PIN protected security string, the user can be sent an unprotected OTC, the term used to send an unprotected OTC is PINless, see [PINless How To Guide](#).

The Swivel authentication platform supports the use of both PINless and PIN protected users.

## Key points of the security string

- User never enters their PIN
- PIN stays the same for each authentication
- User receives a new security string for each authentication
- User can change their PIN, see [ChangePIN User Guide](#)

## Prerequisites

Swivel All versions

Swivel 3.1.4 onwards for PINless

## Using Security Strings

A user guide for using security strings is described here: [PINsafe User Guide](#).

## Known Problems

## Troubleshooting