Until recently two-factor authentication has been synonymous with the requirement for costly user token devices.

Today’s advances in mobile device technology and widespread availability of high speed networks means that the argument for choosing a token-based solution is no longer sustainable. Swivel’s award winning technology enables you to leverage existing mobile device functionality to support two-factor authentication across the full range of remote access environments including VPNs, Web sites, Cloud, and real/virtual desktops.

The Swivel authentication platform works by sending one-time codes (OTCs) to you via SMS. Your OTC is presented to you in a different channel from where you enter it as part of your normal application login process.

Swivel provides you with a range of configurable SMS-based options, giving you maximum deployment flexibility. The format and content of these messages can be customised to suit your needs.

**Advance SMS (single)**

The SMS containing the OTC for your next login is sent immediately after an authentication attempt, meaning you always have a security string ready for your next authentication attempt.

**Advance SMS (multiple)**

The SMS contains multiple OTCs which remain valid until used. You are prompted by the login-form as to which string to use. The SMS is auto-refreshed after the last security string has been used. This has the benefit of reducing SMS costs and also means you have a number of security strings available to you even when you are out of coverage.
**SMS on-demand**

You are sent an SMS containing your OTC at the time of authentication.

**SMS in-bound**

You text your OTC to a known SMS number to complete the authentication challenge. This option ensures that the whole authentication process can be completed out-of-band for maximum protection from phishing, key-logging and man-in-the-middle attacks.

**PINsafe: Additional security at your finger tips**

If you are concerned about the security risk of sending OTCs in the clear via SMS then our patented OTC extraction protocol PINsafe provides you with the additional security you are looking for. PINsafe combines the use of registered PINs with random 10 digit security strings; you combine these in your head to work out your unique OTC, putting you at the heart of the strong multi-factor authentication process. The PINsafe protocol provides you with an additional level of security, should a phone be lost or stolen.

**Support providers**

Swivel operates several SMS technology partnerships with negotiated pricing. We support a large array of providers, however if your SMS provider of choice is not available, it is simple and easy to add support using their API and the Swivel platform.