



Soft Tokens

STRONG AUTHENTICATION THAT MAXIMIZES USER CONVENIENCE AND STREAMLINES DEPLOYMENT

HID Global's Soft Tokens provide strong authentication, while simplifying token deployment and activation. Using Soft Tokens, end users can conveniently access one-time-passwords (OTPs) on devices that they already carry with them, including smartphones, personal digital assistants (PDAs), Internet browsers and laptops.



A simple provisioning process eliminates the logistic hurdles associated with hardware tokens and allows organizations to deploy strong authentication securely and cost effectively. Soft Token licenses are based on activations and they can be re-assigned as needs change. Because Soft Tokens do not contain digital keys, organizations can let end users safely download tokens from a public website. IT administrators can use HID Global's Soft Token Management Console to manage these activations through a separate notification process.

HID Global's Soft Token family consists of three products: HID Global's Mobile Soft Tokens, HID Global's Web Soft Tokens and HID Global's PC Soft Tokens. All Soft Tokens support the Initiative for the Open Authentication (OATH) HMAC-Based One-Time Password (HOTP) algorithm.

Mobile Soft Tokens

HID Global's Mobile Soft Tokens are available on leading handset operating systems, including BlackBerry®, Apple® iPhone®, Windows® Mobile®, and many other Java™ 2 Platform, Micro Edition (J2ME™) enabled devices.

Web Soft Tokens

HID Global's Web Soft Tokens deliver strong authentication without requiring organizations to distribute software to end users. Because Web Soft Tokens support roaming, users can register several machines and then use any leading web browser for Microsoft® Windows or Apple® Macintosh® to perform strong authentication from those machines.

PC Soft Tokens

HID Global's PC Soft Tokens can be distributed easily on a public website or as part of a standard in-house machine build. Users can access their token from the Windows system tray or launch the application from the Windows Start menu.

USB TOKEN FEATURES AND BENEFITS

SOFT TOKENS SUPPORT THE FOLLOWING FEATURES AND CAPABILITIES:

- Revocation and re-use
- Re-use Soft Token licenses when partners or customers no longer require access or when employees leave the organization
- Revoke and re-activate Soft Tokens using the same simple activation process
- Roaming
- Allow end users to securely access the token key from machines registered to them
- Enable users to roam between registered machines and use a simple activation process to add new machines as required
- Support roaming for Windows and Mac OS® X

SOFT TOKENS OFFER THE FOLLOWING BENEFITS:

- Significantly lower total cost of ownership (TCO): Soft Tokens eliminate the cost of physical fulfillment and the cost of token replacement necessitated by battery exhaustion. Soft Token licenses can be re-assigned when users no longer need their token, allowing organizations to respond flexibly to changing needs and maximize the usefulness of their investment.
- Efficient deployment and management: The Soft Token Management Console, which is part of HID Global's 4TRESS AAA Server for Remote Access and HID Global's 4TRESS Authentication Appliance, enables IT administrators to easily assign tokens and notify end users of activation codes.
- User convenience: Soft Tokens enable strong authentication on devices users already carry. Broad platform support for Internet browsers, smartphones, PDAs and PCs ensures that organizations can deploy tokens to a user's preferred devices.
- Mobile Soft Tokens generate OTPs on the end user's device, eliminating data charges and latency or delivery issues associated with sending OTP via Short Message Service (SMS).

SPECIFICATIONS

Mobile Soft Tokens	Web Soft Tokens	4TRESS AAA Server for Remote Access Soft Token Manager	4TRESS Authentication Appliance Soft Token Manager
<p>OATH HOTP compliant one-time password generator supported on the following platforms:</p> <ul style="list-style-type: none"> ▪ Blackberry (Firmware 3.6 and higher) ▪ J2ME MIDP 1.0 and higher (also runs on Symbian® and Palm® OS handsets) ▪ Windows Mobile 5.0 (.NET CF 2.0 upgrade), Windows Mobile 6.0 	<p>OATH HOTP compliant one-time password generator supported on the following web browsers and operating systems:</p> <ul style="list-style-type: none"> ▪ Web browsers <ul style="list-style-type: none"> – Firefox® 1.5.x, 2.0.x, 3.0 – Internet Explorer® 6, 7, 8 – Opera 9.x – Safari® 2.x, 3.x ▪ Operating systems* <ul style="list-style-type: none"> – Windows XP (Home Edition, Professional) – Windows Vista (Home Edition, Ultimate, Professional) – Mac OS X (10.4.10, 10.5) – Windows 2000 Professional, Windows 2003 Server 	<ul style="list-style-type: none"> ▪ Updates existing installation of AAA Server for Remote Access 6.5 or 6.6 <p>Supports the following operating system</p> <ul style="list-style-type: none"> ▪ Windows 2003 Server SP1, SP2 R2 <p>Installation pre-requisite</p> <ul style="list-style-type: none"> ▪ AAA 6.5 or higher ▪ ASP.NET 2.0 (Installer prompts for installation or upgrade option) ▪ JRE 1.5 (Installer auto-installs JRE if not detected) 	<ul style="list-style-type: none"> ▪ Updates existing installation of Authentication Server <p>Supports the following operating system</p> <ul style="list-style-type: none"> ▪ RedHat Enterprise Linux v5 <p>Database management systems</p> <ul style="list-style-type: none"> ▪ Oracle 10g ▪ Oracle 10g Express <p>Installation pre-requisite</p> <ul style="list-style-type: none"> ▪ Authentication Server 4.1
	<p>OATH HOTP compliant one-time password generator supported on the following platforms:</p> <ul style="list-style-type: none"> ▪ Windows 2000 SP4 ▪ Windows XP Professional SP1, SP2 ▪ Windows Vista (all 32-bit editions) ▪ Windows Server 2003 (SP1, R2, SP2) ▪ Windows Server 2003 SP2 x64 ▪ Windows XP Home Edition SP2 		

* Requires JRE 1.4 or above



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