

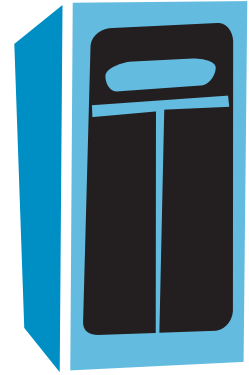
# HP security and manageability

For HP business desktops, notebooks, and workstations





You want your IT staff focusing on business-critical projects, not touching every PC when enabling security. HP collaborates with security software market leaders to extend HP ProtectTools features to businesses, adding manageability, remote configuration and serviceability.



## SECURITY CHALLENGES

### Protecting your business

As a midsize business owner, you may be faced with many security threats to your computer systems. Think about your own computing environment. Are policies in place to prevent someone from removing critical information from your systems on a USB drive, CD/DVD or personal music player and to enforce password management? Beyond just passwords, would you like to enhance security as your employees access important data on their PCs? Does your IT staff have to touch every PC when security policies are implemented or software is deployed? HP security solutions for midsize businesses let you protect your business against security threats—quickly, easily and affordably.

### The real cost of security breakdowns

Security problems with your computing environment can affect more than just revenue and the ability to continue daily operations.

The obvious impact of a theft or security breach can include:

- Loss of assets
- System downtime
- Loss of critical customer, financial or intellectual information

The less obvious impact of a theft or security breach can be more severe and unpredictable than the direct financial one and can include:

- Impaired customer relationship
- Damaged business' market reputation
- Failure to meet regulatory performance specifications

Any of these consequences can result in catastrophic loss of revenue and profitability, particularly for businesses based on 24x7 service models. The challenge is how to deal sensibly and proactively with the security threats you potentially face, at a low cost, and without burdening your business and your IT staff with unnecessary administrative tasks and expenditures.

### Security challenges

Even with increasing media attention given to information losses and financial disasters sustained from security breaches, you may still be reluctant to proactively seek security products and services, believing that:

- Security solutions will cost too much and take too much time away from running your business.
- Implementing ad hoc security solutions can result in conflicting applications and complex solutions that can impact system performance and cause additional expense.
- Creating and implementing security solutions and policies will burden your already overworked IT staff and keep them from focusing on business-critical projects.



## SECURITY IMPLEMENTATION

### Security made easy

To address your security needs, HP has developed the HP ProtectTools security software suite that has independent modules to help protect your business and confidential data on your PC.

Providing protection for your business that is easy to use and easy to implement is highly important as we design our products. Beyond developing the HP ProtectTools solutions, we collaborate with security software market leaders to deliver security faster and more efficiently. All security software offered within the HP ProtectTools suite has been extensively tested so you can be sure that each module will function seamlessly and effortlessly.

You want your IT staff focusing on business-critical projects, not touching every PC when enabling security. To simplify the implementation and enforcement of security processes, HP collaborates with security software market leaders to extend HP ProtectTools features to businesses adding manageability, remote configuration and serviceability. The security vendors HP collaborates with have independently tested their remote manageability software on both HP and non-HP platforms, which can provide you with consistent protection in your mixed computing environment.

### Protecting your identity

Are passwords sometimes haphazardly guarded by your employees? Are your help-desk costs increasing because employees forget their passwords? To more efficiently and securely access your computer systems, HP offers an automated password vault that stores usernames and passwords for your applications, network resources and websites in a protected location and automatically enters them to log you on. You can also use smart cards or your fingerprint to access your applications, network resources and websites. Credential Manager for HP ProtectTools security solutions software provides these benefits through single sign-on capability and, in

addition, provides multifactor authentication (combination of smart card, Trusted Platform Module (TPM) or fingerprint) for another layer of protection.

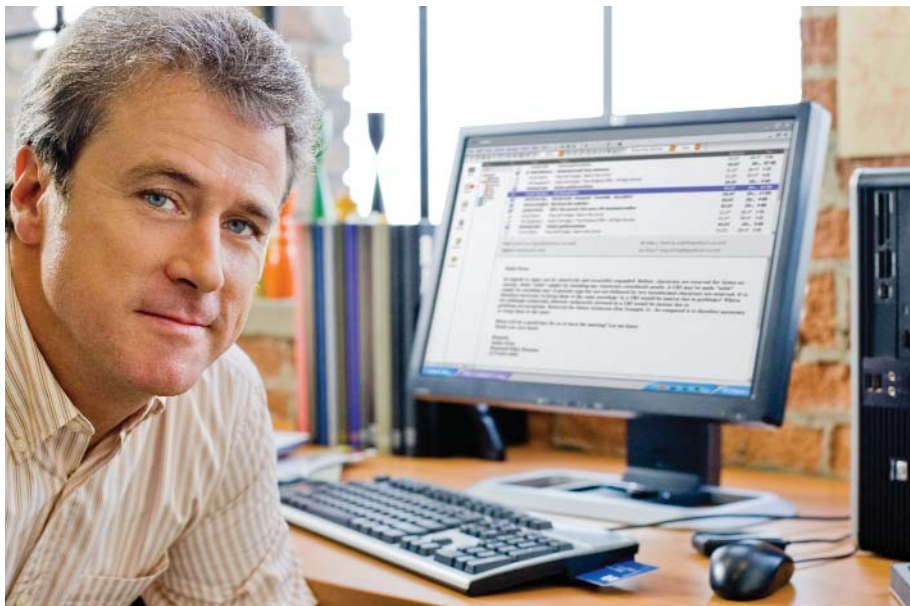
**Remote management for protecting your identity** – To help your IT staff provide centralized management control of single sign-on to all of the PCs in your environment, HP highly recommends Bioscrypt's award-winning\* Verisoft Single Sign On. HP and Bioscrypt collaborated to develop Credential Manager for HP ProtectTools so Verisoft Single Sign On integrates seamlessly. Verisoft Single Sign On reduces password management costs, enforces security policies, and provides single sign-on capabilities for HP and non-HP platforms.

Learn more: <http://www.bioscrypt.com>

### Securing your data

The reality is that in today's world, a PC belonging to you or anyone on your staff could be stolen, and critical information about your company could be seriously compromised. Encrypting everything on your PC hard drive makes it unreadable and inaccessible to any unauthorized person who might try to access it even if the drive has been removed from the PC or sent to a data recovery service. Drive Encryption for HP ProtectTools software is the industry's first full volume encryption capability to be provided out-of-the-box, and is a standard feature on most HP commercial desktops, notebooks and workstations. Drive Encryption for HP ProtectTools allows you to encrypt everything on your internal hard drives, and gives you easy password access. It supports both Microsoft® Windows® XP and Vista, and makes use of the Trusted Platform Module embedded security chip which comes standard in HP business notebooks, desktops and workstations.

\*Bioscrypt VeriSoft v2.0 – awarded Best Buy for Biometric Tools by SC Magazine, October 1, 2007



The embedded security chip provides hardware security for accessing the PC and protecting sensitive data. You can also enhance your authentication for drive encryption with the HP Java™ Smart Card.

**Remote management for securing your data** – To help your IT staff provide centralized management control of encryption to all of the PCs in your environment, HP highly recommends McAfee Endpoint Encryption software for management of full volume encryption on all of the PCs in your environment. One of the reasons HP chose to collaborate with McAfee is because its offering is scalable to meet the needs of midsize and enterprise customers. This software integrates seamlessly with Drive Encryption for HP ProtectTools software, eliminating the need to purchase a client version of the McAfee Endpoint Encryption software for HP platforms.

**Password and key recovery 24x7** – If you forget your Drive Encryption password, you can have continuous peace of mind even if you are traveling or out of the office. With Drive Encryption key recovery service through HP and McAfee, you will be able to access your system and the data you need to run your business. The cost of this service is extremely affordable and is perfect for businesses with limited IT resources.

Learn more: [www.safeboot.com](http://www.safeboot.com)

#### **Controlling data availability**

In today's open office environments, anyone can walk up to a PC, insert a USB drive or other removable media, and copy any information they want from the PC or the company network it is connected to. To protect your data and your business, you can selectively control the use of writable storage devices like USB drive keys, personal music players, CD or DVD writers, and other devices that

connect to PCs and notebooks throughout your computing environment. Device Access Manager for HP ProtectTools software is an HP solution that lets you make sure only authorized users are able to freely copy and store data.

**Remote management of data availability** – To help your IT staff provide centralized management control of encryption to all of the PCs in your environment, HP developed Device Access Manager and its enterprise counterpart—HP Enterprise Device Manager—which will function on all of the PCs in your environment. HP ProtectTools Enterprise Device Access Manager stores and propagates device access permissions throughout the Microsoft Windows domain, removing the overhead of additional server hardware, relational database systems, and the maintenance that may be required by other device access control product. Currently, the enterprise solution is delivered by the HP Consulting & Integration group.\*

Learn more: [www.hp.com/hps/security/products](http://www.hp.com/hps/security/products)

#### **Take your security to the next level**

How can you help ensure only your employees have access to the data they need? Answer: Use more than one means of identifying the user. Strengthening the security level on your PC and its data can be as easy as using your bank card.

With a bank card you are required to enter a PIN to gain access to your account. This same approach can be applied to substantially strengthen access protection to your PC by combining an HP Java Smart Card with your password. This method is referred to as “two means of authentication,” offering the user double protection or “multifactor authentication,” and creating strong access control to the critical data stored on the PC.

**Remote management of Java Card Security** – With Java Card Security for HP ProtectTools software, your IT team can initialize and configure HP ProtectTools Java Cards, set and change PINs and credentials, and support different levels of authorization for various groups of your employees to access their computing systems. HP recommends ActivIdentity for management of Java Card Security on all of the PCs in your environment. ActivIdentity was the collaborator for development of the HP ProtectTools Java Card and the Java Card Security for HP ProtectTools software. The HP ProtectTools Java Card is ActivIdentity's standard smart card. Its enterprise software version, Enterprise Access Card Solution, integrates seamlessly with Java Card Security for HP ProtectTools software, eliminating the need to purchase a client version of the enterprise software for HP platforms.

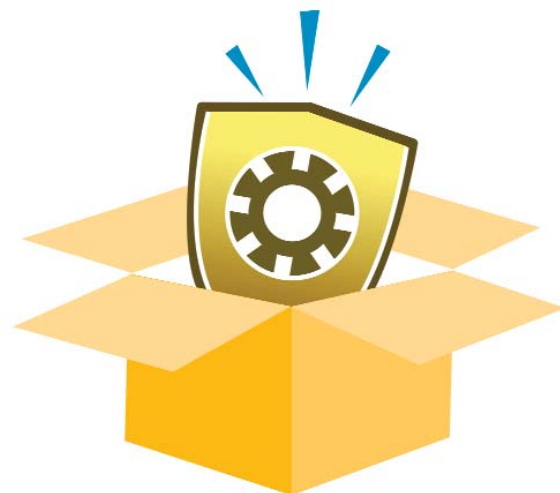
Learn more: [www.actividentity.com](http://www.actividentity.com)

\*Availability may vary by region



The HP ProtectTools security software suite offers a full range of client security capabilities designed specifically for midsize businesses.





## SECURITY SOLUTION

### The HP ProtectTools security software suite

HP security solutions have been developed to protect your identity and secure and control your data, thereby enabling you to take the security protection of your business to the next level. The HP ProtectTools security software suite offers a full range of client security capabilities designed specifically for midsize businesses. As your business and security needs grow and change, you can add and remove modules to meet your specific needs. In addition to the modules discussed previously, the software suite also includes:

- **HP ProtectTools Security Manager** – A simple way of accessing, viewing and managing the client security modules of HP ProtectTools software. Security Manager provides a single console that gives you easy-to-use access to modules so you can customize the appropriate level of security for your PC.
- **Embedded Security for HP ProtectTools software** – With this HP ProtectTools module, you can take advantage of the embedded security chip installed in most HP business notebooks, desktops and workstations. Using the power of the embedded security chip is another way to strengthen your access control by tying it to your password for stronger authentication. Remote manageability is available using HP Client Automation Software, as well as Altiris and Wave software.
- **BIOS Configuration for HP ProtectTools software** – This module provides an authorized user with a convenient way to interactively access system security features that are managed by the system BIOS.

### HP ProtectTools security – the tools you need to protect your business

We live in a dangerous world where unforeseen security breaches not only cost you time and money, but can hurt your customer and business relations too. HP ProtectTools security solutions offer you a complete toolset to protect your key business data and assets worldwide.

Think about your own office environment. Perhaps your most immediate need is to prevent data theft. The time may be right to protect your most valuable information with full volume encryption for individual and networked PCs. You may also need to upgrade to stronger and simpler password protection. HP ProtectTools software lets you get started with the exact level of computing security you need today, and then add stronger protection as your requirements expand. This means you can take advantage of emerging technologies like biometrics and data encryption—if and when you need to.

If data theft, protection of critical information and regulatory issues are important to you, you know who to turn to—HP. We focus on the need to protect your data and your network by building security into our business notebooks, desktops and workstations. HP ProtectTools software is pre-installed in most business notebooks, and is either pre-installed or offered as an after-market option on most business desktops and workstations.

HP.COM

Learn more at [www.hp.com/products/security](http://www.hp.com/products/security)

© Copyright 2008 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation. Java is a U.S. trademark of Sun Microsystems, Inc.

4AA1-8475ENW, March 2008

