

Hewlett-Packard ProtectTools

Authentication Services



HP ProtectTools Authentication Services features Password Hashing, Password Generation and Password Management which can be utilised to prevent unauthorised access and can be deployed with minimal impact on users.

If you want to toughen up your security systems HP ProtectTools Authentication Services can provide the help you need. HP ProtectTools Authentication Services features include:

- *Password Hashing
- *Password Management
- *Login Auditing
- *Auto-logoff Screensaver

Password Hashing

HP ProtectTools Authentication Services algorithms are UK Government approved (CESG), NATO approved and recommended by SECAN (Security and Evaluation Agency for NATO). The HMAC algorithm is the Commercial Variant and is not CESG approved. Windows passwords are "salted" with the username and a once only value to produce a unique password hash.

Password Management

All HP ProtectTools Authentication Services generated passwords are produced with approved algorithms in three configurable formats: Sentences (Pass Phrases), Random Words and Clearview. These are designed to be pronounceable and easy to

remember. HP ProtectTools Authentication Services can provide a service that is installed on workstations and ensures local account passwords are changed automatically at regular intervals. The password is created using a hashing algorithm fed with the Username, Workstation Name, Date and a Shared Secret.

Login Auditing

Last Logon Information is the first line of detection of unauthorised access attempts. The system presents the user with the date, time and workstation of the last successful logon and unsuccessful attempt along with the number of failed logons, since last logon. If the user notices that this information does not match what they expect, they can alert the system administrator to a potential security breach.

Also available is a feature to restrict a user to a predetermined number of simultaneous domain logons.

Auto-logoff Screensaver

Auto-logoff provides an Auto logout Meta Screensaver that can be configured to automatically log the user out after a predetermined duration of inactivity. This Meta Screensaver allows other normal screensavers to run and lock the workstation.

HP ProtectTools Authentication Services

HP ProtectTools Authentication Services provides configurable components designed to mitigate security risks. Designed to enhance the authentication by using a customer unique password hashing system, ensuring managed change of administration passwords, providing last successful and unsuccessful login information, and enabling multiple login denial and timed auto log-out.



Hardware Platforms HP ProtectTools Authentication Services is currently available for the Intel 32 and 64 bit platforms that are capable of Supporting Microsoft Windows XP, Windows Vista and Windows Server 2003.

Software Platforms HP ProtectTools Authentication Services requires any edition of Microsoft Windows XP, Windows Vista or Windows Server 2003..

Installation Planning - HP ProtectTools Authentication Services is supplied as a configurable installation kit. Operational parameters such as seed values and password options need to be set and HP ProtectTools Authentication Services features need to be enabled or disabled. It is recommended that all required configuration information is gathered in advance of the set-up process.

HP ProtectTools Authentication Services provides security features as additions to Microsoft Windows XP/Vista/Server 2003, including approved password hashing and generation algorithms. The Communications-Electronics Security Group (CESG) has approved these security enhancements for use in authorised UK Government environments and most commercial organisations.

System Pre-requisites

Pre-requisites

HP ProtectTools Authentication Services requires the following to be installed on your target system:

- Microsoft Windows 2000 SP1 or later, Windows Server 2003 or Windows XP for Authentication Services V4.0
- Microsoft Windows XP, Server 2003 or Windows Vista for Authentication Services V4.1

For security reasons, HP ProtectTools Authentication Services is supplied in a non-configured form. This enables customers to configure and create their own distribution kit, customised for their particular site requirements.

HP ProtectTools Authentication Services is just one of a range of security solutions, for further information

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