active data protection

enforced security policy

easy to manage

HP ProtectTools for PDAs

active data protection

HP ProtectTools provides configurable active protection of the data in the PDA (Personal Digital Assistant). When an intruder tries to use the PDA, the system can be configured to lock the PDA or securely erase all the memory, thereby protecting the confidentiality of the data.

- The administrator configures the PDA to take specific action after a pre-determined number of wrong passwords are entered.
- The user with his own password can fully use the PDA, except for changing the security policy.

enforced security policy

The administrator manages the security policy. It is possible to have different security policies for the user and the administrator.

The main features of the security policy are:

- Password characteristics can be set (size, content, different from previous ones, validity periods).
- User's level of control of the password can be set (non-modifiable password, change-request at next logon).
- Reminder password can be defined.
- Active data protection actions can be set.

easy to manage

HP ProtectTools provides a two-level login (administrator and user). It allows easy manageability of the PDA in a corporate environment. Moreover, the security policy can be enforced to the user.

platform requirements

HP ProtectTools for PDA runs on any HP PDA devices.

tested Platforms	
HP iPaq	series 3800 and 3900
HP Jornada	series 560 and 920[1]
	series 720[2]

operating system	
Microsoft	Microsoft Pocket PC 2002

[1] These products are discontinued.
[2] The HP Jornada serie 720 will be supported in a future release.

technical specification

Features

management and deployment	
two-level login	The two-level login (user and administrator) provides easy manageability of the security in a corporate environment.
administrator control	The administrator sets up the security policy for the PDA. He can enforce security policy for the user. He can unlock the user if needed without the loss of the data.
customizable software	The software can be customized to embed automatically with a default corporate security policy.
security	
password policy	The password policy is set by configuring the following password characteristics: • Minimum number of characters for a password (can be set from 0 to 40). • Mix of digits and letters (yes or no). • Mix of upper and lower cases (yes or no). • Expiration of the password (can be set in days from 0 up to 3 years). • Validity period of a password (can be set in minutes from 0 up to several days). • Size of the password history: the password cannot be identical to the specified previous number of previous passwords (can be set from 0 to 6). • The maximum number of retries for the password (can be set from 1 to 200 or unlimited) • The maximum number of retries for the reminder password (can be set from 1 to 200 or unlimited) • The user cannot change his password (yes or no). • The user has to change his password next time (yes or no).
policy enforcement	The administrator enforces the policy by setting the password policy, the reminder password and the active data protection.
active data protection	When the maximum number of incorrect password entries is completed, several actions can be taken by the system: • Lock the account for a configurable amount of time. • Lock forever. • Erase memory. All the memory is erased even the permanent store[3].
reminder password	The administrator may activate a reminder password option for the user. It allows the user to configure a question and the associated answer in order to recover the login and change the user password. As the option slightly reduces the security but dramatically reduces the cost associated with a lost password, it may be a good choice accordingly to the business environment.
encryption on memory cards[4]	In order to protect the data in external memory, the data can be encrypted in the memory cards. HP ProtectTools allows transparent access to the encrypted data.
complementary products	
Software	RSA Soft ID.
Smart Card	For the PDA, with a smart card reader, you can use ProtectTools smart cards with EZOS suite. The EZOS software includes a wap browser, a RSA Soft ID and a smart connect tool.

[3] The permanent store deletion will be added in a future release.
[4] The encryption support will be supported in a future release.

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