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Pointsec Protector User Guide

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Overview

Pointsec Protector 4 is a unique corporate solution that provides a policy driven mechanism of securing an organization’s information and ensures data integrity. The following features have been put in place by your system administrator.

Removable Media/IO Device Manager

Pointsec Protector 4 ensures that all removable media/IO devices are authorized before use is granted.

Authorization is performed centrally by the administrator of the system. A unique Pointsec Protector 4 digital signature is written to a device to mark it as authorized. The digital signature is automatically updated during file modifications/transfers within the protected environment.

If changes to the media are made outside of the organization, the device will require re-authorization before it can be used again within the protected environment.
The system ensures that all devices are scanned for viruses using an Anti-Virus scanner. This prevents illegal importing of data and, more importantly, can prevent the unauthorized exporting of data.

**Unauthorized Software/File Protection**

Pointsec Protector 4 provides profile-based file management. Users can be prevented from creating defined file types on the local workstation and network drives. File types are specified by extension and can be used to prevent the introduction of unlicensed software (.exe, .com, .dll, etc.), potentially malicious file types (.vbs, .scr, etc.) or simply unwanted file types (.mpg, .mp3, .jpg, etc.). Protection is provided from any external source including e-mail attachments and web downloads.

**Device Manager**

Pointsec Protector 4 allows the administrator to control user access to devices accessed through all PC ports. Access to IrDA, COM, USB, Firewire, and LPT ports can be controlled.

By applying security permissions to devices, it is also possible to manage access to all removable media, CD/DVD drives, PDAs, Blackberries, Bluetooth and unauthorized hard disks. This feature prevents users from connecting unauthorized devices to the PC ports including hardware, such as a modem and provides On/Off/read-only protection as opposed to the more granular approach offered by the “Removable Media/IO Device Manager”.

**Centralized Auditing and Alerts**

Pointsec Protector 4 provides detailed auditing of attempted security breaches.

**Removable Media Encryption**

The Pointsec Protector Encryption Policy Manager provides transparent encryption of removable media storage devices. If this component is enabled by the administrator, all devices will be automatically encrypted and you may be required to enter a password to access your devices.
Chapter 2

Using Pointsec Protector

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Program Security Guard Alert

Figure 2-1

Pointsec Protector Program Security has blocked the introduction of an unapproved file type. The unapproved file types have been defined by the system administrator. If you have a genuine reason for using a particular type of unapproved file, please contact your system administrator for further information.

Removable Media Manager Alert

Figure 2-2
An unauthorized Removable Media Device has been detected. Pointsec Protector enforces that all removable media (floppy disks, zip drives, memory sticks, digital cameras, etc.) is authorized before access is granted.

- **Browse** button
  
  Allows you to browse the contents of the removable media device but no access to the files will be given. Files can also be deleted prior to authorization from the browse dialog.

- **Authorize** button
  
  If you are permitted to authorize removable media, you can click **Authorize** to invoke the authorization wizard.

- **Ignore** button
  
  By selecting this option you can close this dialog and leave the removable media as unauthorized.

**Automatic Media Authorization Dialog**

You have inserted an unauthorized removable media device. For access to be granted to a device the media must be authorized. The authorization process has failed due to unauthorized file types being detected on the media. For further information about media authorization, please contact the system administrator. Click **Next** to close this dialog.

**System Tray Menu**

The Pointsec Protector Client system tray menu can be accessed by clicking on the blue Pointsec icon displayed in the system tray:
Options Dialog

The options menu contains administration functions:

- **Force Profile Update**
  By clicking the **Update** button it is possible to update the Pointsec Protector profile. This option is generally only needed for administrative purposes or when requesting a new profile. Your administrator will guide you through this process.

- **Server Connection Test**
  This option is only available to users who are members of the administrator group. By clicking **Test** it is possible to test the Pointsec Protector client/server connection. This feature is useful for diagnosing client/server connection problems.

Removable Media Manager Scan

The media import wizard will guide you through the process of authorizing removable media. Click **Next** to continue:
Pointsec Protector automatically detects compatible scanners. This scan will ensure the removable media is virus-free and contains authorized file types. Click **Next** to continue:

**Figure 2-7**

The result of the scan is displayed in the following dialog:
If the scan is unsuccessful the media cannot be authorized and hence no access will be given. Click **Next** to continue.

For further information, please contact your system administrator.

**Encryption Policy Manager**

The encryption policy manager (EPM) transparently secures removable media storage devices using encryption. If this component has been configured by the system administrator, the following dialog will be shown when inserting and trying to access a removable storage device.
The wizard will guide you through the encryption process. Click Next to continue.

The import wizard will now complete four stages before encryption is completed, the four stages are described below.

**Warning** - Do not under any circumstances remove the storage device during this process.

**Create Encrypted Storage on Device**

This stage creates the encrypted storage area onto the device and may take some time depending on the size of device and type of device. By default you will no longer have access to the encrypted device when external to the organization’s network.

If the system administrator has permitted external access then a password must be selected for external access. The following dialog will be displayed:
The next stage of the encrypted device creation is to format the device ready for use.

**Restore Files Back to Encrypted Media**

If there were files already present on the removable storage device these files will now be transferred back onto the newly encrypted device. This is the final stage of the encryption process.

**Move Files from Media and Check Media**

The EPM client will take a backup copy of all existing files located on the removable storage device and store them locally on the workstation. This may take some time depending on the amount of data stored on the device.

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**Note** - For external access to encrypted media on non-protected machines you will require either the full Pointsec Protector Client software or the EPM Explorer. For further information about obtaining a copy of EPM Explorer software, please contact your system administrator.
Unapproved Devices

It is not advisable to encrypt removable media that may be used in other external non-PC devices like digital cameras. The EPM client software performs a check on importing media to ensure that the device is not a digital camera or similar. In this instance read-only access to the device will be permitted and the following message will be displayed.

Figure 2-11

Unapproved Devices

Figure 2-12
The **Do not display again for this drive until the media is changed** option can be selected to permit access to the device for this session only without further prompts from the EPM client import wizard. Click **Cancel** to abort the encryption process.

**Access Denied to Encrypted Media**

The following message will be displayed if access is not permitted to the current encrypted removable storage media.

![Access Denied to Encrypted Media](image)

This may have been specified by the administrator or because you have not been successfully authenticated onto the server. For further information, please contact the system administrator.

**Encryption Policy Manager Console**

The EPM client console can be accessed from the Pointsec Protector system tray if permitted by the system administrator. Right-click on the system tray and select **EPM Client > Open EPM Client**.

![Encryption Policy Manager Console](image)

The following dialog will be displayed:
By selecting a removable media device, the following information will be displayed:

- **EPM Status**
  The current status of the encrypted storage device (Locked/Unlocked)

- **Media Size**
  The size in MB of the selected device.

- **Date Created**
  The date the selected encrypted drive was created.

- **Date Accessed**
  The date the selected encrypted drive was last accessed.

- **Owner**
  The user ID of the user who created the encrypted device.

**Importing New Media**

New removable media can be encrypted by selecting the **Import** button and this automatically launches the wizard as described above.

If permitted by your system administrator, Pointsec Protector can encrypt CDs and DVDs with the following limitations:

- Encryption of CDs is supported on Windows XP and Windows Vista.
- Encryption of DVDs is supported on Windows Vista.
- Import will be accessible only for RW and blank R/RW discs.
- Nothing can be added to or removed from once burnt CD/DVDs. Such CD/DVDs can be erased only.
The process of importing and exporting files to CD/DVDs is similar to that of other removable media described here. Two differences are that you cannot encrypt only part of a CD/DVD and that it is not possible to add files to or remove files from the discs after they have been burnt. If you want to remove information on a burnt disc, you need to use the Export feature to erase the complete disc.

**Exporting Encrypted Media**

If permitted by the system administrator it is possible to export encrypted removable media back to clear text. This can be achieved by selecting the required storage device in the left pane and clicking Export. The following wizard will be displayed. Click Next to continue:

![Image](image.png)

The export wizard performs the reverse of the import wizard and will convert the device back to clear text. In the case of encrypted CD/DVDs, it will erase all information on the disc.

**Note** - Do not remove the device during this process.
Click Finish to complete the export process.

**Changing Encrypted Device Offline Password**

To change the offline access password on an encrypted device, select the required device in the left explorer pane and then click Set. The following dialog will be displayed:

**Figure 2-18**

![Dialog for changing offline password]

*Note - The password must meet the administrator defined criteria that can be accessed by clicking the Policy Note button.*
Enter your new password twice and click **OK** to complete the password change.
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