

Sante PACS Server PG

Creating Encrypted CD/DVD Media Guide

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Overview

The program can create encrypted (SHA256) CD/DVD media containing the patient's files, in order to protect personal, medical, and other sensitive data.

Enable Encryption

The user can enable this feature by selecting the “**Options** → **CD/DVD Encryption Setup**” menu command. Once enabled, all CD/DVD discs created by the program, regardless of the method used to create them, will be encrypted.

When encryption is enabled, the generated CD/DVD media are encrypted (SHA256) and password protected to ensure secure distribution of patient data. The program can store the generated passwords locally and optionally send them by email to an authorized recipient (for example, the hospital or clinic secretary), so the passwords can later be delivered to the patient using the most appropriate communication method.

Enable CD/DVD Encryption

Enables password protection for all newly created CD/DVD media. When this option is enabled, the exported media cannot be opened without the correct password.

Export CD/DVD Passwords To Shared Folder

Automatically exports the generated passwords to a local or shared folder. Use the **Browse...** button to select the destination folder. This feature is useful when passwords must be centrally collected, archived, or accessed by authorized personnel on the local network.

Send CD/DVD Passwords By Email

Automatically sends the generated passwords by email after the CD/DVD creation process is completed.

This option is typically used to send the passwords to the hospital or clinic secretary, who can then communicate the password to the patient separately.

Recipient's email Address

The email address that will receive the generated passwords.

Sender's email Address

The email address used as the sender of the outgoing message.

Outgoing Server

The SMTP server used for sending email messages.

Example:

smtp.gmail.com

mail.yourdomain.com

Use TLS

Enables secure encrypted communication with the SMTP server.

It is strongly recommended to keep this option enabled whenever the mail server supports TLS.

Username

The username used to authenticate with the SMTP server.

Password

The password associated with the SMTP account.

Notes

- The generated passwords can be stored in the internal database, in a local/shared folder, and/or sent by email.
- The recipient of the password should be informed through a communication channel different from the physical CD/DVD delivery whenever possible.
- If the email settings are incorrect, the password email delivery may fail even though the CD/DVD is successfully created.
- Some SMTP providers may require TLS/SSL enabled, authentication, application-specific passwords, or firewall/network permissions.

View the Database of the encrypted CD/DVD passwords

Use menu command **"Report → CD/DVD Passwords"** to view, search, manage, and export the passwords generated for encrypted CD/DVD media.

Each record in the database corresponds to one encrypted CD/DVD production and contains the associated patient information, production details, serial number, and generated password. This database allows authorized personnel to retrieve passwords later and securely communicate them to patients when needed.

#	Patient Name	Patient ID	Production Date	Production Time	Serial Number	Password
1	Anonymized	5685	05/24/2026	17:07:07	000001	iU3-m25bA%eA

Search Database

The left panel provides quick search options for locating password records.

Today

Displays all passwords generated today.

Yesterday

Displays all passwords generated yesterday.

Last 7 days

Displays all passwords generated during the last seven days.

Search All

Displays all records stored in the database.

Production date from

Specifies the start date of the search range.

Production date to

Specifies the end date of the search range.

Search Dates

Searches for records created within the selected date range.

Search Criteria (Optional)

Additional filters can be used to narrow the search results.

Patient Name

Searches records by patient name.

Patient ID

Searches records by patient ID.

CD/DVD Serial Number

Searches records by the serial number assigned to the CD/DVD media.

Clear Fields

Clears all search criteria fields.

Password Database Table

The table displays all matching password records.

Internal record number

The internal record number associated with the password record.

Patient Name

The patient name associated with the encrypted CD/DVD.

Patient ID

The patient identification number.

Production Date

The date the CD/DVD was created.

Production Time

The time the CD/DVD was created.

Serial Number

The serial number assigned to the produced CD/DVD.

Password

The generated encryption password required to access the CD/DVD contents.

Commands**Send By email**

Sends the selected password record(s) by email using the configured email settings. This function can be used to resend passwords to authorized personnel if necessary.

Copy To Clipboard

Copies the selected password(s) to the Windows clipboard.

Export To Text File...

Exports the selected password records to a text file.

This option is useful for archiving, printing, secure offline storage, or transferring records to another system.

Delete Password(s)

Deletes the selected password record(s) from the database.

Use this function carefully. Deleted records cannot be recovered.

Close

Closes the dialog.

Notes

- Access to this database should be restricted to authorized personnel only.
- Passwords should be communicated securely and according to the organization's privacy and security policies.
- It is recommended to avoid sending both the encrypted media and the password through the same communication channel whenever possible.
- The database may contain sensitive patient-related information and should be protected accordingly.