

# **Gentran Integration Suite**

---

## **Enabling Document Encryption**

**Version 4.2**





---

## Enabling Document Encryption

Gentran Integration Suite provides document encryption for documents stored in the file system and in the database. Document encryption options include, encrypting:

- ◆ Documents in the file system
- ◆ Documents in the database
- ◆ Both documents in the file system and database
- ◆ None - no encryption (default)

In order to enable document encryption, you will need to modify the `security.properties` file to set the security property settings for `ENC_DECR_DOCS`.

**Note:** These modifications may need to be redone after an upgrade or patch is applied. Although not possible in this case, you should use the `customer_overrides.properties` file whenever possible rather than editing the Gentran Integration Suite property files directly. The customer override property file is not changed during installation of Gentran Integration Suite upgrades or patches.

## Encrypting Documents Stored in the File System

To encrypt documents stored in the file system:

1. Create a system certificate to encrypt the keys used for the file encryption.

**Note:** The name of the system certificate can be `doccrypto`, but this is not required. Regardless, the `CERT_NAME` used in the properties files must match whatever name you use when creating the system certificate.

2. From the `install_dir/properties`, open the **`security.properties.in`** file in a text editor.
3. Modify the `security.properties.in` file as follows:

```
#Document encryption settings for file system
ENC_DECR_DOCS=ENC_FS
#ENC_DECR_DOCS=NONE
ENC_ALG=DESede
CERT_NAME=doccrypto
```

4. Save and close the **`security.properties.in`** file.
5. Stop Gentran Integration Suite.
6. Run the `setupfiles` script using one of the following steps:
  - ◆ (UNIX or Linux) - From the `install_dir/bin` directory, run the `setupfiles.sh` command.
  - ◆ (Windows) - From the `install_dir\bin` directory, run the `setupfiles.cmd` command.
7. Start Gentran Integration Suite.

## Encrypting Documents Stored in the Database

To encrypt documents stored in the database:

1. Create a system certificate to encrypt the keys used for the file encryption.
2. From the *install\_dir*/properties, open the **security.properties.in** file in a text editor.
3. Modify the security.properties.in file as follows:

```
#Document encryption settings for database
ENC_DECR_DOCS=ENC_DB
#ENC_DECR_DOCS=NONE
ENC_ALG=DESede
CERT_NAME=doccrypto
```

4. Save and close the **security.properties.in** file.
5. Stop Gentrans Integration Suite.
6. Run the setupfiles script using one of the following steps:
  - ◆ (UNIX or Linux) - From the *install\_dir*/bin directory, run the setupfiles.sh command.
  - ◆ (Windows) - From the *install\_dir*\bin directory, run the setupfiles.cmd command.
7. Start Gentrans Integration Suite.

## Encrypting Documents Stored in the File System and in the Database

To encrypt documents stored in the file system and in the database:

1. Create a system certificate to encrypt the keys used for the file encryption.
2. From the *install\_dir*/properties, open the **security.properties.in** file in a text editor.
3. Modify the security.properties.in file as follows:

```
#Document encryption settings for all
ENC_DECR_DOCS=ENC_ALL
#ENC_DECR_DOCS=NONE
ENC_ALG=DESede
CERT_NAME=doccrypto
```

4. Save and close the **security.properties.in** file.
5. Stop Gentrans Integration Suite.
6. Run the setupfiles script using one of the following steps:
  - ◆ (UNIX or Linux) - From the *install\_dir*/bin directory, run the setupfiles.sh command.
  - ◆ (Windows) - From the *install\_dir*\bin directory, run the setupfiles.cmd command.
7. Start Gentrans Integration Suite.