Package 'OhdsiSharing'

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Type Package

Title Package for sharing of the results of the OHDSI tools

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Description Package for sharing of the results of the OHDSI tools, with
functions for encrypting results and sending results through FTP to a central site.

Imports rJava

License Apache License

R topics documented:

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decryptFile	*Decrypt a data file*

Description

Decrypt a data file

Usage

```
decryptFile(sourceFileName, targetFileName, privateKeyFileName)
```

Arguments

sourceFileName Name of the file that must be decrypted.

targetFileName Name of the file that will hold the unencrypted data.

privateKeyFileName
Name of the file where the private key is stored.

Details

Decrypts the data using the provided private key.

Examples

```
## Not run:
generateKeyPair("public.key", "private.key")
data <- data.frame(x = runif(1000), y = 1:1000)
saveRDS(data, "data.rds")
encryptFile("data.rds", "data.rds.enc", "public.key")
decryptFile("data.rds.enc", "data2.rds", "private.key")

## End(Not run)
```

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encryptFile   *Encrypt a data file*

Description

Encrypt a data file

Usage

```
encryptFile(sourceFileName, targetFileName, publicKeyFileName)
```

Arguments

sourceFileName   Name of the file that must be encrypted.

targetFileName   Name of the file that will hold the encrypted data.

publicKeyFileName
                  Name of the file where the public key is stored.

Details

Encrypts the data using the provided public key.

Examples

```
## Not run:
generateKeyPair("public.key", "private.key")
data <- data.frame(x = runif(1000), y = 1:1000)
saveRDS(data, "data.rds")
encryptFile("data.rds", "data.rds.enc", "public.key")

## End(Not run)
```

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generateKeyPair   *Create a public-private key pair*

Description

Create a public-private key pair

Usage

```
generateKeyPair(publicKeyFileName, privateKeyFileName)
```

Arguments

publicKeyFileName
> Name of the file where the public key should be stored.

privateKeyFileName
> Name of the file where the private key should be stored.

Details

Creates an RSA 4096-bit public-private key pair. The public key can be used to encrypt data, and only with the private key can the data be decrypted.

Examples

```
## Not run:
generateKeyPair("public.key", "private.key")

## End(Not run)
```

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share   *share*

Description

share copies the results to a central site. By default, it is sent to the OHDSI coordinating center.

Usage

```
share(results, ...)
```

Arguments

results   an results object generated by one of the OHDSI tools

...   further arguments

Details

Copies the results to a central site. By default, it is sent to the OHDSI coordinating center.

Examples

```
## Not run:
  connectionDetails <- createConnectionDetails(dbms="sql server", server="RNDUSRDHIT07.jnj.com")
  oscarResults <- oscar(connectionDetails, "cdm4_sim", "scratch", "TestDB")
  share(oscarResults)

## End(Not run)
```

Index