

File Security

Summary

It is a function to encrypt files using the encryption algorithm or to decrypt files using the decryption algorithm. It shall be able to encrypt and decrypt wide range of file formats. This service component can be applied in the Server/Client applications during the file security process.

This function is included in the Egovframework common component element technology.

Description

- ① Function to encrypt files using the encryption algorithm
- ② Function to decrypt files using the decryption algorithm

Related Sources

Type	Corresponding Sources	Description	Remarks
Service	egovframework.com.utl.service.EgovFileScrty.java	An element technology class on encryption/decryption	
JSP	WEB_INF/jsp/egovframework/cmm/utl/EgovFileScrty.jsp	A test page	

Method

Output	Method	Description	Details
boolean	encryptFile(String source, String target)	File Encryption	Encrypting files
boolean	decryptFile(String source, String target)	File Decryption	Decrypting files
String	encode(String data)	Data Encryption	Encrypting string data
String	decode(String data)	Data Decryption	Decrypting string data
String	encryptPassword(String data)	Password Encryption	Password data is encrypted, which cannot be decrypted

Input

- Encryption File Path: File name that includes a string- type absolute path (ex. /user/com/test/file1.txt)
- Encryption Result File: File name that includes a string- type absolute path (ex. /user/com/test/encodeFile1.txt)
- Decryption File Path: File name that includes a string- type absolute path (ex. /user/com/test/encodeFile1.txt)
- Decryption Result File: File name that includes a string- type absolute path (ex. /user/com/test/decodeFile1.txt)
- Validation Check: [Element technology validation check](#)

Output

- Boolean- type true / false

Environmental Settings

N/A

Manual

```
import egovframework.com.utl.sim.service.EgovFileScrty;

// 1. File Encryption
String source = request.getParameter("file1");
String target = request.getParameter("file2");
boolean result = false;
if (source != null && source.length() > 0
    && target != null && target.length() > 0) {
    result = EgovFileScrty.encryptFile(source, target);
}

// 2. File Decryption
String source = request.getParameter("file1");
String target = request.getParameter("file2");
boolean result = false;
if (source != null && source.length() > 0
    && target != null && target.length() > 0) {
    result = EgovFileScrty.decryptFile(source, target);
}
```

References

N/A