

Check File Existence

Summary

It is a function to check whether a file exists in a directory. It can even check whether the file exists in specific directories and lower directories. It also checks the existence of files by extension, update period, size and owner. This service component can be applied to the Server/Client applications, when checking the existence of files.

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

Description

- ① Function to check whether a file exists in a directory
- ② Function to check whether a file exists in a specific directory and a lower directory
- ③ Function to check whether a file exists by file extension
- ④ Function to check whether a file exists by file update period
- ⑤ Function to check whether a file exists by file size
- ⑥ Function to check whether a file exists by file owner

Related Sources

Type	Corresponding Sources	Description	Remarks
Service	egovframework.com.utl.service.EgovFileTool.java	An element technology class on the file management	
JSP	WEB_INF/jsp/egovframework/cmm/utl/EgovFileExst.jsp	A test page	

Method

Output	Method	Description	Details
Boolean	checkFileExstByName(String dir, String file)	Checking file existence	Check whether a file exists in a directory
Boolean	checkFileExstByExtnt(String dir, String eventn)	Checking file existence by extension	Check whether a file exists in a directory by extension
Boolean	checkFileExstByOwner(String dir, String owner)	Checking file existence by owner	Check whether a file exists in a directory by owner
Boolean	checkFileExstByUpdtPd(String dir, String updtFrom, String updtTo)	Checking file existence by update period	Check whether a file exists in a directory by update period
boolean	checkFileExstBySize(String dir, long sizeFrom, long sizeTo)	Checking file existence by size	Check whether a file exists in a directory by size

Input

- Path: Directory that includes a string- type absolute path (ex. /user/com/test)
- File: File name that includes a string- type absolute path (ex. /user/com/test/file1.txt)
- Extension: String- type extension (ex. txt)
- Update period From: String- type date (ex. 20090501)
- Update period To: String- type date (ex. 20090531)
- Size From: Integer- type size (ex. 100)
- Size To: Integer- type size (ex. 2000)
- Owner: String -type file owner (ex. com)
- Validation Check: [Element technology validation check](#)

Output

- Boolean- type true / false

Environmental Settings

N/A

Manual

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

// 1. Checking file existence
String drctry = request.getParameter("drctry");
String file = request.getParameter("file");
boolean result = false;
if (drctry != null && drctry.length() > 0
    && file != null && file.length() > 0) {
    result = EgovFileTool.checkFileExstByName(drctry, file);
}

// 2. Checking file existence by extension
String drctry = request.getParameter("drctry");
String eventn = request.getParameter("eventn");
boolean result = false;
if (drctry != null && drctry.length() > 0
    && eventn != null && eventn.length() > 0) {
    result = EgovFileTool.checkFileExstByExtnt(drctry, eventn);
}

// 3. Checking file existence by update period
String drctry = request.getParameter("drctry");
String fromDate = request.getParameter("fromDate");
String toDate = request.getParameter("toDate");
boolean result = false;
if (drctry != null && drctry.length() > 0
    && fromDate != null && fromDate.length() > 0
    && toDate != null && toDate.length() > 0) {
    result = EgovFileTool.checkFileExstByUpdtPd(drctry, fromDate, toDate);
}

// 4. Checking file existence by size
String drctry = request.getParameter("drctry");
String fromSize = request.getParameter("fromSize");
String toSize = request.getParameter("toSize");
boolean result = false;
if (drctry != null && drctry.length() > 0
    && fromSize != null && fromSize.length() > 0
    && toSize != null && toSize.length() > 0) {
    result = EgovFileTool.checkFileExstBySize(drctry, Long.parseLong(fromSize),
Long.parseLong(toSize));
}
}
```

References

N/A