

## File Attribute Information Check

### Summary

It is to get the unique file attribute information. Such attribute information includes the disk name, directory name, file name, update date, owner, file access authorization (Write/Read), file size and file format. This service component can be applied to the Server/Client applications, when checking the file attribute information.

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

### Description

- ① Function to get the disk name where a file is located
- ② Function to get the directory where a file is located
- ③ Function to get the file name after checking whether a file exists
- ④ Function to get the file update date
- ⑤ Function to get the file owner
- ⑥ Function to get the file access authorization (write/read)
- ⑦ Function to get the file size
- ⑧ Function to get the file format

### 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/EgovFileInfo.jsp	A test page	

### Method

Output	Method	Description	Details
String	getMountLc(String file)	Disk name inquiry	Inquire a file system(mounted position) where a file(directory) exists
String	getDrctryName(String file)	Directory name inquiry	Inquire a directory(Parent) where a file(directory) exists
String	getFileName(String file)	File name inquiry	Inquire a file name where a file(directory) exists
String	getUpdtDate(String file)	Update date inquiry	Inquire the final file(directory) update date
String	getOwner(String file)	Owner inquiry	Inquire the file(directory) owner
String	getAccess(String file)	Access authorization inquiry	Inquire the file(directory) access authorization
long	getSize(String file)	Size inquiry	Inquire the file(directory) size
String	getFormat(String file)	Format inquiry	Inquire the file(directory) format

### Input

- File: File name that includes a string- type absolute path (ex. /product/jeus/test/samples/common.xml)
- Validation Check: [Element technology validation check](#)

### Output

- String- type disk name (ex. /product)
- String- type directory (ex. /product/jeus/test/samples)

- String- type file name (ex. /product/jeus/test/samples/common.xml)
- String- type final update date (ex. 20090422)
- String- type owner (ex. jeus)
- String- type access authorization (ex. - rw- r-r-)
- String- type size (ex. 1198)
- String- type format (ex. application/xml)

### **Environmental Settings**

- format.properties

# Definition of format by extension

avi=video/x-msvideo

css=text/css

gif=image/gif

jar=application/java-archive

java=text/plain

jpg=image/jpeg

mpeg=video/mpeg

xml=application/xml

...(skip)...

### **Manual**

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

```
String file = request.getParameter("file");
if (file != null && file.length() > 0) {
    // 1. Disk name
    disk = EgovFileTool.getMountLc(file);
    // 2. Directory name
    drctry = EgovFileTool.getDrctryName(file);
    // 3. File name
    name = EgovFileTool.getFileName(file);
    // 4. Update date
    date = EgovFileTool.getUpdtDate(file);
    // 5. Owner
    owner = EgovFileTool.getOwner(file);
    // 6. Access authorization
    access = EgovFileTool.getAccess(file);
    // 7. Size
    size = EgovFileTool.getSize(file);
    // 8. Format
    format = EgovFileTool.getFormat(file);
}
```

### **References**

N/A