Directory Monitoring Function

Summary

It is to monitor the files in a system within a specific directory and the history of directory changes. When monitoring for the specific directory starts, a log file is automatically generated in the directory at a designated location and the monitoring history is logged. (Refer to the Environmental Settings item for further details on log file setting)

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

Description

① Function to start monitoring changes in the directory
② Function to inquire changes in the directory
③ Function to stop monitoring changes in the directory

Related Sources

Type	Corresponding Sources	Description	Remarks
Service	egovframework.com.utl.service.EgovFileTool.java	An element technology class on checking the system information	
Service	egovframework.com.utl.service.EgovFileMntrg.java	An element technology class on monitoring the directory	
JSP	WEB_INF/jsp/egovframework/cmm/utl/EgovDrctryMntrg.jsp	A test page	

Method

Output	Method	Description	Details
Boolean	startDirectoryMonitering(String targetDirPath)	Directory Monitoring	It starts monitoring changes in the given directory. It creates a file containing log information in a log folder with the given directory name (If it already exists, log is continuously recorded). It returns to true when monitoring starts and to false when it fails.
StringBuffer	getDirectoryMoniteringInfo(String targetDirPath)	Directory Monitoring	It inquires monitoring log information in the given directory. It reads the log file of the given directory in the log folder, and then returns.
Boolean	stopDirectoryMonitering(String targetDirPath)	Directory Monitoring	It stops monitoring changes in the given directory. The monitoring function is suspended. It returns to true when monitoring stops and to false when it fails.

Input

- targetDirPath : The directory name of the monitoring (start) target that includes a string- type absolute path (ex. /product/jeus/egovProps/tmp)

Output

- boolean type: Executed or not: true / false
- StringBuffer type: Log information

Environmental Settings

When the directory monitoring function is running, the log file path setting is registered in globals.properties.

- globals.properties

```
# Log fie path
Globals.ConfPath = /product/jeus/egovProps/conf
```

Manual

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

String dirTargetPath1      = "/product/jeus/egovProps/tmp";
boolean result1            = EgovFileTool.startDirectoryMonitering(dirTargetPath1);

String dirTargetPath2      = "/product/jeus/egovProps/tmp";
StringBuffer logInfo2      = EgovFileTool.getDirectoryMoniteringInfo(dirTargetPath2);

String dirTargetPath3      = "/product/jeus/egovProps/tmp";
boolean result3            = EgovFileTool.stopDirectoryMonitering(dirTargetPath3);
```

References

N/A