Disk Attribute Information Check

Summary

It is to check information on DISK, CD and USB that exist in a system.

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

Description

① Function to check the disk attribute information

Related Sources

Type	Corresponding Sources	Description	Remarks
Service	egovframework.com.utl.service.EgovSysInfo.java	An element technology class on checking system information	
JSP	WEB_INF/jsp/egovframework/cmm/utl/EgovDiskAttrb.jsp	A test page	

Method

Output	Method	Description	Details
ArrayList	getDiskAttribute()	Inquire the disk attribute information	It is to inquire the information on DISK, CD and USB. It returns information including the disk name, disk attribute, disk type, total size, used size and residual(free) size as string information stored in a LIST.

Input

N/A

Output

- ArrayList Type: Attribute information list {"hdisk1","disk_001","disk","2000000","1000000","1000000"}

Environmental Settings

The 'getDiskAttribute' method utilizes the shell script execution result to check the information. The shell script information used during the call process shall be registered in globals.properties.

- globals.properties

The shell script applied in the 'getDiskAttribute' method
SHELL.UNIX.getDiskAttrb=/product/jeus/egovProps/prg/getDiskAttrb.sh

- getDiskAttrb.sh (Unix disk attribute inquiry script)

```
#$A = lspv | awk '{print $1}'

#### DISK CHECK ####
#for A in `lspv | awk '{print $1}' `
for A in `lsdev - Cc disk | awk '{print $1}'`
do
    # NAME
    echo $A
```

```
    # ATTRIBUTE
    echo `lscfg - l $A   | awk - F $A '{print $2}'`
    # TYPE
    echo "disk"
    # AUTHORITY

    # SIZE
    isEq="FALSE"
    for B in `lspv | awk '{print $1}' `
    do
        if [ $A = $B ]
        then
            isEq="TRUE"
        fi
    done

    if [ $isEq = "TRUE" ]
    then
        # TOTAL SIZE
        lspv $A | grep "TOTAL PPs" | awk - F"(" '{print $2}' | awk '{print $1}'
        # USED SIZE
        lspv $A | grep "USED PPs" | awk - F"(" '{print $2}' | awk '{print $1}'
        # FREE SIZE
        lspv $A | grep "FREE PPs" | awk - F"(" '{print $2}' | awk '{print $1}'
    else
        echo ""
        echo ""
        echo ""
    fi

done

#### USB CHECK ####
for A in `lsdev - Cc usb | awk '{print $1}'`
do
# NAME
echo $A
# ATTRIBUTE
echo `lscfg - l $A   | awk - F $A '{print $2}'`
# TYPE
echo "usb"
# AUTHORITY

# SIZE
    isEq="FALSE"
    for B in `lspv | awk '{print $1}' `
    do
        if [ $A = $B ]
        then
            isEq="TRUE"
        fi
    done

    if [ $isEq = "TRUE" ]
    then
        # TOTAL SIZE
        lspv $A | grep "TOTAL PPs" | awk - F"(" '{print $2}' | awk '{print $1}'
        # USED SIZE
        lspv $A | grep "USED PPs" | awk - F"(" '{print $2}' | awk '{print $1}'
```

```
        # FREE SIZE
        lspv $A | grep "FREE PPs" | awk - F"(" '{print $2}' | awk '{print $1}'
    else
        echo ""
        echo ""
        echo ""
    fi

done


#### CDROM CHECK ####
for A in `lsdev - Cc cdrom | awk '{print $1}'`
do
# NAME
echo $A
# ATTRIBUTE
echo `lscfg - l $A   | awk - F $A '{print $2}'`
# TYPE
echo "cdrom"
# AUTHORITY

# SIZE
    isEq="FALSE"
    for B in `lspv | awk '{print $1}' `
    do
        if [  $A = $B ]
        then
            isEq="TRUE"
        fi
    done

    if [  $isEq = "TRUE" ]
    then
        # TOTAL SIZE
        lspv $A | grep "TOTAL PPs" | awk - F"(" '{print $2}' | awk '{print $1}'
        # USED SIZE
        lspv $A | grep "USED PPs" | awk - F"(" '{print $2}' | awk '{print $1}'
        # FREE SIZE
        lspv $A | grep "FREE PPs" | awk - F"(" '{print $2}' | awk '{print $1}'
    else
        echo ""
        echo ""
        echo ""
    fi
done
```

Manual

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

    //Following items are registered in order:
     Disk name, disk attribute, disk type, total size, used size and residual (free) size
    ArrayList result = EgovSysInfo.getDiskAttribute();
```

References

N/A