

ReadDataFileLib Guide

This library provides one function that allows you to get information from the 'ippr' resource of an Upgrader data file.

ReadIPPR

You can use the ReadIPPR function to get a pointer to a buffer that contains the data from the 'ippr' resource of a specified data file.

```
OSErr ReadIPPR (FSSpec* inDataFileFSSpec,  
                Ptr outTheIPPRStream,  
                Size maximumSize,  
                Size* theSizeOfStream);
```

inDataFileFSSpec

A pointer to a FSSpec of a datafile.

outTheIPPRStream

A pointer to the buffer in which the return data is stored. If this parameter is NIL, this function will just return the size of the output stream, in the parameter theSizeOfStream.

maximumSize

The maximum length, in bytes, of the data to be returned. You must allocate at least this amount of storage for the buffer specified by the outTheIPPRStream parameter.

theSizeOfStream

The length, in bytes, of the data for the IPPR in the specified data file. If this value is larger than the value of the maximumSize parameter, not all of the data for the parameter was returned, and Result Code kNotAllReturned will be returned.

DESCRIPTION

The ReadIPPR function uses a buffer to return the data from the 'ippr' of a specified data file.

| Name of Variable | number of bytes | |
|--------------------------|-----------------|---|
| Format | 2 | |
| Revision number | 4 | |
| Count of Remap Pairs | 2 | |
| Unsupported Machine ID | 2 | Repeated for # of Remap pairs |
| Supported Machine ID | 2 | |
| Count of Software Items | 2 | |
| Name of Software Install | 1-255 | (Str255) Repeated for # of software items |
| Installation Flags | 4 | |

| | | |
|-----------------|-------|----------|
| Path to App | 1-255 | (Str255) |
| Name of App | 1-255 | (Str255) |
| Path to doc | 1-255 | (Str255) |
| Name of doc | 1-255 | (Str255) |
| Path to Aux doc | 1-255 | (Str255) |
| Name of Aux Doc | 1-255 | (Str255) |

RESULT CODES

| | | |
|--|------|---|
| noErr | 0 | No error |
| kCouldntGetIPPRHandle | 1502 | Could not get handle to 'ippr' |
| kCouldntGetInRSRCStream | 1503 | Could not create stream for 'ippr' |
| kCouldntGetOutRSRCStream | 1504 | Could not create stream for outTheIPPRStream |
| kUnknownIPPRFormat | 1505 | Unknown 'ippr' format |
| kCouldntGetSoftwareNamesListRSRCHandle | 1506 | Could not get handle to software names 'STR#' |
| kCouldntGetSoftwareNamesListRSRCStream | 1507 | Could not create stream for software names list |
| kCouldntGetInstallerAppflrfRSRCHandle | 1508 | Could not get app 'flrf' handle |
| kCouldntGetInstallerAppflrfRSRCStream | 1509 | Could not create stream for app 'flrf' |
| kUnknownFLRFFormat | 1510 | Unknown 'flrf' format |
| kCouldntGetInstallerDocflrfRSRCHandle | 1511 | Could not get doc 'flrf' handle |
| kCouldntGetInstallerDocflrfRSRCStream | 1512 | Could not create doc flrf stream |
| kCouldntGetInstallerAuxDocflrfRSRCHandle | 1513 | Could not get aux doc 'flrf' handle |
| kCouldntGetInstallerAuxDocflrfRSRCStream | 1514 | Could not create aux doc 'flrf' stream |
| kSizeStreamNull | 1515 | theSizeOfStream is NULL |
| kNotAllReturned | 1516 | Not all of the data was returned |

SEE ALSO

For an example of the use of ReadIPPR, see below.

```

theToolResult = ReadIPPR(&scriptFSSpec, NULL, theMaximumSize, &theStreamSize);
if (theToolResult == kToolSuccess)
{
    theIPPRStream = NewPtr(theStreamSize);
    if ((theErr = MemError()) == noErr)
    {
        theToolResult = ReadIPPR(&scriptFSSpec, theIPPRStream,
                                theStreamSize, &theStreamSize);
        if (theToolResult == kToolSuccess)
        {
            ;          // Perform some task
        }
    }
    else
    {
        theToolResult = kToolSystemErr;
    }
}

```