Archived:Displaying image information using Symbian C++

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Overview

This code snippet demonstrates how to obtain and display the following information about an image:

- Decoder
- Format
- Dimensions
- Color depth
- Details

MMP file

The following libraries are required:

```
LIBRARY imageconversion.lib
```

Header file

```
/**
 * Obtains the image info
 * @param aFs a reference to the file server session
 * @param aFilename the filename of the image
 * @return image info as CFrameInfoStrings*
 */
CFrameInfoStrings* CApp::GetImageInfoL(RFs& aFs, const HBufC& aFilename);
```

Source file

```
#include <ImageConversion.h>

const TInt KMaxInfoDescriptorLength = 80;
```

```
// Obtains the image info from the image referenced by the aFilename
CFrameInfoStrings* CApp::GetImageInfoL(RFs& aFs, const HBufC& aFilename)
    {
    CImageDecoder* decoder = CImageDecoder::FileNewL(aFs, aFilename);
    CleanupStack::PushL(decoder);
    CFrameInfoStrings* info = decoder->FrameInfoStringsL();
    CleanupStack::PopAndDestroy(decoder);
    return info;
    }
```

```
// Connect a client process to the fileserver
RFs fsSession;
User::LeaveIfError(fsSession.Connect());
CleanupClosePushL(fsSession);

// Obtain the image info
_LIT(KLITFilename, "C:\\Data\\Images\\image.jpg");
const HBufC* KFilename = KLITFilename().Alloc();
CFrameInfoStrings* info = GetImageInfoL(fsSession, *KFilename);
CleanupStack::PushL(info);

// Display the info items one by one
for (TInt i = 0; i < info->Count(); i++)
    {
    TBuf<KMaxInfoDescriptorLength> infoItem;
    infoItem.Append(info->String(i));
    CAknInformationNote* note = new (ELeave) CAknInformationNote(ETrue);
    note->ExecuteLD(infoItem);
    }

// Clean up
CleanupStack::PopAndDestroy(2);  // info, fsSession
fsSession.Close();
```


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Postconditions

Image information is displayed.

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