

**Note!**

This API is not part of the public SDK. It can be found in the [SDK API Plug-in](#).

## Purpose

The Audio Metadata Reader API provides classes useful to get metadata information of an audio file.

## Use cases

Some of the basic uses of this API are to retrieve the count of metadata fields, fields information like artist name, length of the file, year of album, etc.

## Example code

### Header files

```
#include <MetaDataSourceContainer.h>
#include <MetaDataSourceUtility.h>
#include <MetaDataSourceField.h>
```

### Link against:

```
LIBRARY MetaDataSourceUtility.lib
```

The classes used are CMetaDataSourceFieldContainer and CMetaDataSourceUtility.

```
_LIT(KFileName, "c:\\FileName.mp3");

void CTestAudioMetadataReaderAPIAppUi::ConstructL()
{
    CMetaDataSourceUtility* iMDUtility = CMetaDataSourceUtility::NewL();
    iMDUtility->OpenFileL(KFileName);
}

void CTestAudioMetadataReaderAPIAppUi::GetMetadataL()
{
    //Returns the number of metadata fields.
    TInt iMetaCount = iMDUtility->MetaDataSourceCount();

    TBuf<64> itext;
    itext.AppendNum(iMetaCount);
    CEikonEnv::InfoWinL(_L("METADATA COUNT:"), itext);

    //Returns the metadata fields found in this source.
    const CMetaDataSourceFieldContainer& iMDfield = iMDUtility->MetaDataSourceFieldsL();
}
```

## Audio\_Metadata\_Reader\_API

```
TMetaDataFieldId aFieldId;

for(TInt i=0;i < iMetaCount;i++)
{
    //Returns the field at given location, first element at position 0.
    iMetaFieldId(aFieldId);
    <50>TMetaField;
    iMetaField.AppendNum(aFieldId);
    CEikonEnv::InfoWinL(_L("METADATA FIELD ID:"),iMetaField);
    iMetaField.Zero();

    //Returns the metadata field that corresponds to the field ID.
    TPtrC iMetaField.Field(aFieldId);
    iMetaField.Append(iMetaData);
    CEikonEnv::InfoWinL(_L("METADATA FIELD:"),iMetaField);
    iMetaField.Zero();
}
}
```

## Example Application

- [AudioMetaDataReaderEx\\_v1.zip](#)