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Platform	S60 3rd Edition, FP2	Tested on devices	
Category	Symbian C++	Subcategory	Calendar

Keywords (APIs, classes, methods, functions): Calendar Importer API

Note!

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

Purpose

The Calendar Importer API provides a class that imports a vCalendar into a CCalEntry compatible with the S60 Calendar.

Header files

```
#include <calsession.h>
#include <calprogresscallback.h>
#include <calentryview.h>
#include <calenimporter.h>
#include <f32file.h>
#include <S32FILE.H>
#include <agnimportobserver.h>
```

Libraries

```
efsrv.lib
calinterimapi.lib
calenimp.lib
estor.lib
```

Code example

The CCalSession is the interface to the Calendar file. The instantiation of CCalSession will result in a connection to the Calendar Server.

```
void CCalendarEventsEngine::ConstructL()
{
    iCalSession = CCalSession::NewL();
    //Open the default calendar file
    iCalSession->OpenL(iCalSession->DefaultFileNameL());
    iWaiter =new (ELeave) CActiveSchedulerWait;
    // calendar importer
    iImporter=CCalenImporter::NewL(*iCalSession);
}
```

Virtual functions

```
// Called during calendar entry view creation
void CCalendarEventsEngine::Progress(TInt aProgress)
{
}

// Called on completion of calendar entry view creation
void CCalendarEventsEngine::Completed(TInt aError)
{
    iWaiter->AsyncStop();
}

// Returns whether or not progress notification is required
TBool CCalendarEventsEngine::NotifyProgress()
{
    // Progress notification is required
    return ETrue;
}
```

Importing calendar entries from a file:

```
void CCalendarEventsEngine::ImportEntriesL()
{
    // calendar entries file
    _LIT(KFile,"C:\\CalEntriesFile.txt");
    User::LeaveIfError(iFs.Connect());
    TInt err = iRReadStream.Open(iFs,KFile,EFileRead);
    // An array of calendar entries
    RPointerArray<CCalEntry> calEntryArray;
    iImporter->ImportVCalendarL(iRReadStream,calEntryArray);
    for (TInt k=0; k<calEntryArray.Count();k++)
    {
        // get information from this entry
        CCalEntry* calEntry = calEntryArray[k];
        TPtrC description = calEntry->SummaryL();
        if(iWaiter->IsStarted())
        {
            iWaiter->AsyncStop();
        }
        // View class for accessing calendar entries
        iCalEntryView = CCalEntryView::NewL(*iCalSession,*this);
    }
}
```

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```
iWaiter->Start();
TInt success(0);
iCalEntryView->StoreL(calEntryArray, success);
delete iCalEntryView;
}
calEntryArray.ResetAndDestroy();
iReadStream.Close();
iFs.Close();
}
```

Example application

The following sample application has been tested in the S60 3rd FP2 emulator.

[File:CalenderImpportExport.zip](#)