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

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

Note!

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

Purpose

The Calendar Exporter API provides functions to export agenda entries to vCalendar data.

Header files

```
#include <calsession.h>
#include <calprogresscallback.h>
#include <calentryview.h>
#include <calenexporter.h>
#include <caliterator.h>
#include <f32file.h>
#include <S32FILE.H>
#include <agnexportobserver.h>
```

Libraries used

```
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 exporter
    iExporter=CCalenExporter::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;
}
```

The following code exports calendar entries to a file:

```
void CCalendarEventsEngine::ExportEntriesL()
{
    if(iWaiter->IsStarted())
    {
        iWaiter->AsyncStop();
    }
    // view class for accessing calendar entries
    iCalEntryView = CCalEntryView::NewL(*iCalSession,*this);
    iWaiter->Start();
    // An iterator for iterating though all the entries in the calendar store
    CCalIter* calIter = CCalIter::NewL(*iCalSession);
    TBuf8<150> iterUID;
    // An array of calendar entries
    RPointerArray<CCalEntry> calEntryArray;
    iterUID = calIter->FirstL();
    // calendar entries file
    _LIT(KFile,"C:\\\\CalEntriesFile.txt");
    User::LeaveIfError(iFs.Connect());
    TInt err = iRWriteStream.Open(iFs,KFile,EFileWrite);
    if(err !=KErrNone)
```

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```
{
    User::LeaveIfError(iRWriteStream.Create(iFs, KFile, EFileWrite));
}
while (iterUID != KNullDesC8)
{
    // get entries associated with this UID
    iCalEntryView->FetchL(iterUID, calEntryArray);
    for (TInt k=0; k<calEntryArray.Count();k++)
    {
        // get information from this entry
        CCalEntry* calEntry = calEntryArray[k];
        // export calender entry
        iExporter->ExportVCalL(*calEntry,iRWriteStream);
    }
    iterUID = calIter->NextL();
};
calEntryArray.ResetAndDestroy();
delete calIter;
delete iCalEntryView;
iRWriteStream.Close();
iFs.Close();
}
```

Sample application

The following sample application is tested in the S60 3rd Edition, FP2 emulator.

[File:CalenderImpportExport.zip](#)