Archived:Calendar Exporter Symbian API

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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;
   // calender 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 calender 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;
```


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```
    // An array of calender entries
    RPointerArray<CCalEntry> calEntryArray;
    iterUID = calIter->FirstL();
    // calender entries file
    _LIT(KFile,"C:\\CalEntriesFile.txt");
    User::LeaveIfError(iFs.Connect());
    TInt err =  iRWriteStream.Open(iFs,KFile,EFileWrite);
    if(err !=KErrNone)
        {
        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

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