Archived:Calendar Importer 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 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;
   // calender importer
   iImporter=CCalenImporter::NewL(*iCalSession);
   }
```

Virtual functions

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


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```
   {
   }

// 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 calender entries from a file:

```
void CCalendarEventsEngine::ImportEntriesL()
   {
   // calender entries file
   _LIT(KFile,"C:\\CalEntriesFile.txt");
   User::LeaveIfError(iFs.Connect());
   TInt err =  iRReadStream.Open(iFs,KFile,EFileRead);
   // An array of calender 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);
       iWaiter->Start();
       TInt success(0);
       iCalEntryView->StoreL(calEntryArray, success);
       delete iCalEntryView;
       }
   calEntryArray.ResetAndDestroy();
   iRReadStream.Close();
   iFs.Close();
   }
```

Example application

The following sample application has been tested in the S60 3rd FP2 emulator. File:CalenderImpportExport.zip

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