

A simple example (.exe) launching a midlet (Helloworld) from C++ code

```
#include <e32base.h>
#include <e32std.h>

const TInt KMaxCommandLine = 1024;
const TInt KMidletPort = 7049;
const TInt KMidletUidValue = 0x100009c4;
const TUid KMidletUid = {KMidletUidValue};

LOCAL_C void doLaunchL();

// midlet name
_LIT(KMidletName, "HelloWorld");

// KVM virtual machine location on ROM drive
_LIT(KMidRunROMLocation, "z:\\system\\programs\\kmidrun.exe");

// location of jad + jar
_LIT(KMidletJadLocation, "c:\\system\\apps\\MidLaunch\\HelloWorld.jad");
_LIT(KMidletJarLocation, "c:\\system\\apps\\MidLaunch\\HelloWorld.jar");

// main function called by E32
GLDEF_C TInt E32Main()
{
    _LIT(KE32Main, "KE32Main");

    __UHEAP_MARK;
    CTrapCleanup* cleanup=CTrapCleanup::New(); // get a clean-up stack
    TRAPD(error,doLaunchL());

    __ASSERT_ALWAYS(!error,User::Panic(KE32Main,error));
    delete cleanup; // destroy cleanup stack
    __UHEAP_MARKEND;

    return 0;
}

// actual launching of a midlet
LOCAL_C void doLaunchL()
{
    TBuf<KMaxCommandLine> cmdLine;
    _LIT(KSeparator, "*");

    // cmd line syntax: PortNumber*MIDletUid*MIDletName*JarLocation*JadLocation*

    cmdLine.AppendNum(KMidletPort);
    cmdLine.Append(KSeparator);

    // append a midlet uid in decimal format to the command line
    TBuf<16> uidNum;
    uidNum.Num(KMidletUid.iUid,EDecimal);
    cmdLine.Append(uidNum);
    cmdLine.Append(KSeparator);

    // append a midlet name to the command line
    cmdLine.Append(KMidletName);
}
```

Launching_a_midlet_from_Symbian_C++_code

```
cmdLine.Append(KSeparator);

// append a jar file location to the command line
cmdLine.Append(KMidletJarLocation);
cmdLine.Append(KSeparator);

// append a jad file location to the command line
cmdLine.Append(KMidletJadLocation);
cmdLine.Append(KSeparator);

// create a new process
RProcess process;

 TInt error = process.Create(KMidRunROMLocation,cmdLine);
 User::LeaveIfError(error);

// TODO: process should be renamed according to convention used with KVM

process.Resume();
process.Close();
}
```