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To start a exe

Symbian 8 and earlier

```
#include <eikdll.h>
TInt err = EikDll::StartExeL(_L("c:\\system\\apps\\test.exe"));
```

Symbian 9, for Server or Console application

```
#include <apgcli.h> // link against apgrfx.lib
#include <apacmdln.h> // link against apparc.lib

TThreadId app_threadid;
CApaCommandLine* cmdLine;
cmdLine=CApaCommandLine::NewLC();
cmdLine->SetExecutableNameL(_L("test.exe"));
cmdLine->SetCommandL( EApaCommandRun );
RApaLsSession ls;
User::LeaveIfError(ls.Connect());
TInt err=ls.StartApp(*cmdLine, app_threadid);
ls.Close();
CleanupStack::PopAndDestroy(); // cmdLine
```

Symbian 9, for View-based application

```
#include <apgcli.h> // link against apgrfx.lib
const TUid KAppUid={0x12345678};
_LIT(KDocName, "C:\\Data\\document.txt");
TThreadId app_threadid;
```

How_to_start_and_stop_exe

```
RApaLsSession ls;  
User::LeaveIfError(ls.Connect());  
TInt err=ls.StartDocument(KDocName, KAppUid, app_threadid);  
ls.Close();
```

Symbian 9, RProcess

```
_LIT(KMyExeFile, "test.exe");  
_LIT(KMyExeFileCmd, "first_argument second third");  
  
RProcess proc;  
User::LeaveIfError(proc.Create(KMyExeFile, KMyExeFileCmd));  
// start the process running! Don't forget this.  
proc.Resume();  
proc.Close(); // Closes the handle, not the process.
```

To stop it

First, you need to find the process

On Symbian 9, process name is in the following format:

```
<name>[<UID3>]<instance number>
```

where: *<name>* - the name of executable **or** the name of Console - so remember it can be changed;

<UID3> - UID3 of executable, in lowercase HEX, 8 digits, always the same;

<instance number> - instance number, 4 digits, starting from 0001. For example name of kernel process is:

```
ekern.exe[100041af]0001
```

Killing

Note: For S60 3rd Edition development, you are required the PowerMgmt capability to achieve this task.

```
TFindProcess processFinder(_L("test.exe*")); // by name, case-sensitive  
//or  
//TFindProcess processFinder(_L("[12345678]*")); // by UID3
```

How_to_start_and_stop_exe

```
TFullName result;
RProcess processHandle;
while ( processFinder.Next(result) == KErrNone)
{
    User::LeaveIfError(processHandle.Open ( processFinder, EOwnerThread));
    processHandle.Kill(KErrNone);
    processHandle.Close();
}
```

"Danger, Will Robinson!"

Killing a process is bad practice as the internal state of the process and of the resources it might have open cannot be controlled. It is recommended that you implement a communication mechanism that would allow you to tell your daemon to release the reserved resources and then exit.

Related Links:

- [How to Launch an EXE and Pass Command Line Arguments](#)
- [How to Launch Browser in 3rd edition](#)
- [How to run EXE from other application in 3rd Edition](#)
- [How to start EXE from an EXE in 3rd Edition](#)
- [How to launch an application with its UID](#)