

Re: CreateProcess not working as doc specifies.

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Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.kernel/2005-06/msg00233.ht>

- *From:* "Hector Santos" <nospamhere@xxxxxxxxxxxxxxxx>
 - *Date:* Wed, 15 Jun 2005 22:29:28 -0400
-

"David Bennion" <DavidBennion@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:B3B987CA-368C-441F-8BCD-77ED08E388BE@xxxxxxxxxxxxxxxx

>

>

> Thanks for your reply Hector. The issue is that the client has many batch files and I don't want to tell him he must modify them all. I understand how

> to modify the batch files to make it work.

>

> Additionally, simply setting exit at the end causes the terminal window to exit -- so we would need to protect that exit with an if that could detect if

> my product was running.

Not with the /B option.

> I am beginning to wonder if this is even possible.

If you are trying to do this as a cross-the-board product for all the various OSES, you might have some issues to test. Even though I been working with this stuff for a long time, I don't recall off hand if Win95 for example supports the EXIT command.

Anyway, If you don't have control of the client batch file, then you may want to consider wrapping it with a dynamically created skeleton script batch file.

Your dynamically created batch file skeleton.bat:

```
@echo off
REM - Auto Created by DaveApplet.exe
call client.bat
exit %errorlevel%
```

Also you can do some tricks to test of the errorlevel has changed, for example:

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```
@echo off
REM – Auto Created by DaveApplet.exe
call :SetErrorLevel
call client.bat
exit %errorlevel%
:-----
:SetErrorLevel
:-----
exit /b %1
goto :eof
```

Here is a complete working example:

```
// File: TestParent2.cpp
// Author: Hector Santos, Santronics Software, Inc.
// Compile: cl testparent.cpp /W3 /GX /MD /D "_AFXDLL"

#include <stdio.h>
#include <afx.h>

BOOL runbatch(const char *fn, int &exitcode)
{
    exitcode = -1;
    STARTUPINFO si;
    PROCESS_INFORMATION pi;
    ZeroMemory(&si, sizeof(si));
    ZeroMemory(&pi, sizeof(pi));
    DWORD dwFlags = 0;

    char szCmd[MAX_PATH];
    strcpy(szCmd,"c ");
    strcat(szCmd,fn);

    if (!CreateProcess(getenv("comspec"),(char *)szCmd,
        NULL, NULL, FALSE,
        dwFlags,
        NULL, NULL, &si, &pi)) {
        printf("! CreateProcess() error %d\n",GetLastError());
        return FALSE;
    }
    CloseHandle(pi.hThread);
    if (WAIT_OBJECT_0== WaitForSingleObject(pi.hProcess, INFINITE)) {
        GetExitCodeProcess(pi.hProcess, (DWORD *)&exitcode);
    } else {
        printf("error with wait\n");
    }
    CloseHandle(pi.hProcess);
    return TRUE;
}

BOOL MakeSkeleton(const char *szTemp, const char *szClient)
```

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```
{  
  
FILE *fv = fopen(szTemp,"wt");  
if (fv) {  
    fprintf(fv,"@echo off\n");  
    fprintf(fv,":-----\n");  
    fprintf(fv,":Auto Created Wrapper for %s\n",szClient);  
    fprintf(fv,":-----\n");  
    fprintf(fv," call :SetErrorLevel -1\n");  
    fprintf(fv," call %s\n",szClient);  
    fprintf(fv," exit %errorlevel%\n");  
    fprintf(fv," goto :eof\n");  
    fprintf(fv,":-----\n");  
    fprintf(fv,":SetErrorLevel\n");  
    fprintf(fv,":-----\n");  
    fprintf(fv," exit /b %1\n");  
    fprintf(fv," goto :eof\n");  
    fclose(fv);  
    return TRUE;  
}  
return FALSE;  
}  
  
void main(char argc, char *argv[])  
{  
    int exitcode;  
    MakeSkeleton("skeleton.cmd","client.bat");  
    BOOL ok = runbatch("skeleton.cmd", exitcode);  
    printf("ok : %d exitcode: %d error: %d\n",ok, exitcode, GetLastError());  
}
```

—
Hector Santos, Santronics Software, Inc.
<http://www.santronics.com>

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- *Follow-Ups:*
 - ◆ **Re: CreateProcess not working as doc specifies.**
 ◇ From: Gary Chanson
 - ◆ **Re: CreateProcess not working as doc specifies.**
 ◇ From: Hector Santos

 - *References:*
 - ◆ **CreateProcess not working as doc specifies.**

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◇ *From:* David Bennion

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- Next by Date: ***Re: Service crash using MSDN example code***
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