

# 1 Error Fix

## 1.1 Profiler + VS Code Error

In the file `Profiler.h`, you have the following lines starting at line 11:

```
1 // OS detection
2 #if defined(WIN32) || defined(_WIN32) || defined(__WIN32__)
3     || defined(__NT__)
4     #define PROFILER_WINDOWS
5 #elif __APPLE__
6     #define PROFILER_OSX
7 #elif __linux__
8     #define PROFILER_LINUX
9 #endif
10 #ifdef PROFILER_WINDOWS
11     #include <Windows.h>
12     #include <Shellapi.h>
13 #else
14     #include <unistd.h>
15 #endif
```

You should modify them as follows:

```
1 // OS detection
2 #if defined(__MINGW32__) || defined(__CYGWIN__)
3     #define PROFILER_VSCODE
4 #elif defined(WIN32) || defined(_WIN32) ||
5     defined(__WIN32__) || defined(__NT__)
6     #define PROFILER_WINDOWS
7 #elif defined(__APPLE__)
8     #define PROFILER_OSX
9 #elif defined(__linux__)
10     #define PROFILER_LINUX
11 #endif
12 #if defined(PROFILER_WINDOWS) || defined(PROFILER_VSCODE)
13     #include <Windows.h>
14     #include <Shellapi.h>
15 #else
16     #include <unistd.h>
17 #endif
```

Below are the screenshots (approximately 80% of text width), framed as figures:

```

(DWORD, PCVOID, DWORD, DWORD, LPWSTR, DWORD, va_list *);
~~~~~
In file included from c:\users\ardel\mingw\include\windows.h:48:0,
             from C:\Users\ardel\Downloads\Test\Profiler.h:21,
             from C:\Users\ardel\Downloads\Test\example1.cpp:1:
c:\users\ardel\mingw\include\winuser.h:4351:50: error: 'va_list' has not been declared
WINUSERAPI int WINAPI wvsprintfA (LPSTR, LPCSTR, va_list arglist);
~~~~~
c:\users\ardel\mingw\include\winuser.h:4352:52: error: 'va_list' has not been declared
WINUSERAPI int WINAPI wvsprintfW (LPWSTR, LPCWSTR, va_list arglist);
~~~~~
In file included from C:\Users\ardel\Downloads\Test\example1.cpp:1:0:
C:\Users\ardel\Downloads\Test\Profiler.h: In member function 'int Profiler::showReport()':
C:\Users\ardel\Downloads\Test\Profiler.h:11263:35: error: 'localtime_s' was not declared in this scope
    localtime_s(&now, &currentTime);
                                ^
C:\Users\ardel\Downloads\Test\Profiler.h:11282:9: error: '_snprintf_s' was not declared in this scope
    );
    ^
C:\Users\ardel\Downloads\Test\Profiler.h:11284:40: error: 'fopen_s' was not declared in this scope
    fopen_s(&fout, reportName, "wb");
                                ^
Build finished with error(s).

```

Figure 1: Initial error in VS Code Profiler

```

5 #define _CRT_SECURE_CPP_OVERLOAD_STANDARD_NAMES 1
6 #endif
7
8 #define _CRT_SECURE_NO_DEPRECATED
9 #define _CRT_SECURE_NO_WARNINGS
10
11 //OS detection
12 #if defined(_WIN32_) || defined(_Cygwin_)
13 #   define PROFILER_LINUX
14 #elif defined(_WIN32) || defined(_WIN32_) || defined(_WIN_)
15 #   define PROFILER_WINDOWS
16 #elif __APPLE__ ||
17 #   define PROFILER_OSX
18 #elif __linux__
19 #   define PROFILER_LINUX
20 #endif
21
22 #ifdef PROFILER_WINDOWS
23 #   include <Windows.h>
24 #   include <Shellapi.h>
25 #else
26 #   include <unistd.h>
27 #endif
28
29 #include <stdio.h>
30 #include <string.h>
31 #include <stdlib.h>

```

Figure 2: Original screenshot (before fix)

```

C Profiler.h x example1.cpp
C Profiler.h > ...
1 #ifndef _PROFILER_H
2 #define _PROFILER_H
3
4 #ifndef _CRT_SECURE_CPP_OVERLOAD_STANDARD_NAMES
5 #define _CRT_SECURE_CPP_OVERLOAD_STANDARD_NAMES 1
6 #endif
7
8 #define _CRT_SECURE_NO_DEPRECATED
9 #define _CRT_SECURE_NO_WARNINGS
10
11 //OS detection
12 #if defined(_WIN32_) || defined(_WIN32) || defined(_WIN32_) || defined(_WIN_)
13 #   define PROFILER_WINDOWS
14 #elif __APPLE__ ||
15 #   define PROFILER_OSX
16 #elif __linux__
17 #   define PROFILER_LINUX
18 #endif
19
20 #ifdef PROFILER_WINDOWS
21 #   include <Windows.h>
22 #   include <Shellapi.h>
23 #else
24 #   include <unistd.h>
25 #endif
26
27 #include <stdio.h>
28 #include <string.h>
29 #include <stdlib.h>
30 #include <time.h>
31
32 #include <typeinfo>
33 #include <map>
34 #include <vector>
35 #include <algorithm>
36 #include <functional>
37 #include <string>

```

Figure 3: Screenshot after update (after fix)