
Subject: MtRpcServer package compilation fail
Posted by [Xemuth](#) on Fri, 11 Dec 2020 13:06:03 GMT
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MtRpcServer/MtRpcServer.cpp:75 :

Actual :

```
static BOOL WINAPI CtrlCHandlerRoutine(__in DWORD dwCtrlType)
```

Should be :

```
static BOOL WINAPI CtrlCHandlerRoutine(DWORD dwCtrlType)
```

Explanation : When compiling with CLANG, compilation fail in __in (which is not declared) :
C:\Upp\uppreference\MtRpcServer\MtRpcServer.cpp (76): error: unknown type name '__in'

if we look at __in declaration(for CLANG) : upp/bin/clang/include/sal.h:262

We see this block of code : /* FIXME: __in macro conflicts with argument names in libstdc++. For this reason,

```
* we disable it for C++. This should be fixed in libstdc++ so we can uncomment  
* it in fixed version here. */
```

```
#if !defined(__cplusplus) || !defined(__GNUC__)
```

```
#define __in
```

```
#define __out
```

```
#endif
```

The __in declaration have no purpose on compilation, it only serve to mark which args are input(got info from here)

of course, no problem when compiling with MSVS.