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Subject: Re: Problems debugging with Visual C++  
Posted by [frankdeprins](#) on Thu, 18 Sep 2014 06:48:03 GMT  
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Hello Mirek,

The extra logging lines added the next content to theide.log:  
pSym->Flags & IMAGEHLP\_SYMBOL\_INFO\_REGRELATIVE = 16  
pSym->Register == CV\_ALLREG\_VFRAME = false  
pSym->Register = 22

These log lines occurred several times, of course, but always with exactly the same values.  
After that, I changed if(pSym->Register == CV\_ALLREG\_VFRAME) to: if(true)  
But even then, the result was that I only got i and i64 and both watches were still 0.  
I guess commenting out the register test will not change it, as we already know the else block is  
executed because of the presence of the new logging lines put in it.

Anyway, this is the final state of the code as I ran it:

```
BOOL CALLBACK Pdb::EnumLocals(PSYMBOL_INFO pSym, ULONG SymbolSize, PVOID  
UserContext)
```

```
{  
    LocalsCtx& c = *(LocalsCtx *)UserContext;
```

```
    if(pSym->Tag == SymTagFunction)  
        return TRUE;
```

```
    Val& v = (pSym->Flags & IMAGEHLP_SYMBOL_INFO_PARAMETER ? c.param :  
c.local).GetAdd(pSym->Name);
```

```
    v.address = (adr_t)pSym->Address;
```

```
    RLOG("-----");
```

```
    RDUMP(Format64Hex(v.address));
```

```
    if(pSym->Flags & IMAGEHLP_SYMBOL_INFO_REGISTER)
```

```
        v.address = pSym->Register;
```

```
    else {
```

```
        RDUMP(pSym->Flags & IMAGEHLP_SYMBOL_INFO_REGRELATIVE);
```

```
        RDUMP(pSym->Register == CV_ALLREG_VFRAME);
```

```
        RDUMP(pSym->Register);
```

```
        if(pSym->Flags & IMAGEHLP_SYMBOL_INFO_REGRELATIVE) {
```

```
            if(true/*pSym->Register == CV_ALLREG_VFRAME*/) {
```

```
                #ifdef CPU_64
```

```
                    if(c.pdb->win64)
```

```
                        v.address += c.pdb->GetCpuRegister(*c.context, CV_AMD64_RBP);
```

```
                    else
```

```
                #endif
```

```
                    v.address += (adr_t)c.pdb->GetCpuRegister(*c.context, CV_REG_EBP);
```

```
            }
```

```
        else
```

```
            v.address += (adr_t)c.pdb->GetCpuRegister(*c.context, pSym->Register);
```

```
        RDUMP(v.address);
```

```
    }  
}  
if(pSym->Flags & IMAGEHLP_SYMBOL_INFO_FRAMERELATIVE) {  
    RDUMP(Format64Hex(c.frame));  
    v.address += c.frame;  
}  
c.pdb->TypeVal(v, pSym->TypeIndex, (adr_t)pSym->ModBase);  
RLOG("LOCAL " << pSym->Name << ": " << Format64Hex(v.address));  
return TRUE;  
}
```

Attached, you find the log file.

Frank

### File Attachments

1) [theide.log](#), downloaded 384 times

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