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 397 times