Subject: A simple DLM question
Posted by Xin Tao on Mon, 27 Aug 2012 17:13:57 GMT
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Hi,

I'm having trouble figuring out the problem of the following DLM code:

```
/* The c routine */

void simple(int argc, IDL_VPTR argv[])
{
  IDL_VPTR v;

  v = IDL_BasicTypeConversion(1, &argv[0], IDL_TYP_DOUBLE);

  IDL_DELTMP(v);
}
```

This routine just takes its input and convert it to double. After converting it to a DLM, however, I seem to see strange results.

```
IDL> simple, 1.0d
% Loaded DLM: TESTMODULE.
IDL> simple, -1.0d
Bus error
```

That is: if I give it 1.0d as input, then the code is fine. However, if I use -1.0d, then there is a BUS error, presumably from IDL_DELTMP(v).   I really don't understand why this is the case. Isn't IDL_DELTMP supposed to decide first whether v is a temporary variable or not? If I remove IDL_DELTMP, of course, I'll frequently get the annoying warning message "% Temporary variables are still checked out - cleaning up...".

Please give me some help. Thanks.