## The case of the missing ordinal 380

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A customer reported that some of their clients were getting an error message when running their program:

contoso.exe - Ordinal Not Found

The ordinal 380 could not be located in the dynamic link library C:\Program Files\Contoso\Contoso.exe.

The first thing to note is that this error message is misleading. It's true that the missing ordinal is 380, but Contoso.exe is not the dynamic link library. Rather, it is the module that contains the reference to the missing ordinal. Unfortunately, the error message doesn't tell us the DLL that lacks the desired ordinal 380 export. We'll have to go find it ourselves.

We can use the LINK /DUMP /IMPORTS command to find all the functions that Contoso.exe imports, and search for a 380.

And there it is:

```
COMCTL32.dll
100B76110 Import Address Table
100EC5868 Import Name Table
0 time date stamp
0 Index of first forwarder reference
```

Ordinal 380

And if you look in comct132.dll version 6, you'll find that it's

Okay, so they are trying to link to the function LoadIconMetric in comctl32.dll, and it's not there.

At this point, you may remember that there are two versions of comctl32.dll: Version 5 and version 6. Version 5 is the one you get by default, and to get version 6, you need to specify it in your application manifest.

The evidence suggests therefore that on the affected systems, something is wrong with their application manifest and the system is not processing it properly.

The customer liaison took this information back to the customer. I haven't heard back from them, so I'm hoping they figured out why their manifests aren't working on some systems.