

## Re: When were scanf\_s functions introduced?

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*Source:*

<http://www.derkeiler.com/Newsgroups/microsoft.public.platformsdk.security/2006-03/msg00087.html>

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  - *Date:* Sat, 11 Mar 2006 09:43:17 -0500
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My knowledge of doing complicated MSI setup apps is fairly limited, but I'll try to answer these as best I can.

1- Most of this space overhead with the static CRT is because the .lib is really a collection of many .obj files, and each of these have their own headers and debug information included separately. Between redundant headers and the separately packaged debug information you are looking at most of the space increase. (If you do a dumpbin on libcmtd.lib you will see that 4.6MB of space is taken up by debug information alone.)

2- This depends on your setup environment, really. Assuming these are Internet-distributed installs, you could use the route that Microsoft goes for many of their setups (i.e. service packs, SDK setup, etc): have two installers, one that is a "full install" (includes everything and will be usable even on computers without a network connection) and one that is a "web install" (checks dependencies and only downloads those that are missing, but obviously requires an active network connection on the machine you are installing on). If you are doing media-based installs (e.g. physical CDROM or something similar), then the amount of space for the CRT installer is probably not going to matter much and it would be worth just always shipping it.

3- In general, you can't redistribute system dlls as they have their own dependencies on other system dlls, new features in the kernel or drivers shipped with that OS version, etc. There are a few exceptions, mostly listed on this page: <

<http://www.microsoft.com/downloads/details.aspx?FamilyId=A55B6B43-E24F-4EA3-A93E-40C0EC4F68E5&disp>

. If you need to figure out what your minimum OS requirements are, yes,

the MSDN documentation will give you that inf