
Subject: Re: Synchronising Unix and NT IDL's
Posted by [edors](#) on Fri, 06 Nov 1998 08:00:00 GMT
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Phil,

The problem your system administrator is talking about has to do with the fact that nfsd tries to map the user id number (UID) and group id number (GID) specified by the mounting computer to the same UID and GID on the mounted machine. This can be a problem if your export list includes permissions for DOS machines because there is no security system set up to prevent a person on a DOS machine from saying he is root (uid 0, gid 0) even though that person is not authorized to do so.

Some Unix systems have the ability to "root_squash", that is, change the UID and GID of the user mounting a disk to another UID and GID, say the UID for an anonymous user. If your system administrator exports the disk in this manner, dos machines will no longer be able to become root when they mount the exported file system. And both of you can be happy.

Hope this helps,

Eric

--

Eric E. Dors
Los Alamos National Laboratory

Subject: Re: Synchronising Unix and NT IDL's
Posted by [Charlie Solomon](#) on Fri, 06 Nov 1998 08:00:00 GMT
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philip aldis wrote in message <3642EF05.739DDCB9@dera.gov.uk>...
>just as an addition to what I wrote, I realise that I could mount
> the relevant UNIX network drive on my PC, but I was wondering if there was
> any other way, because my security officer is concerned that people can
> gain
> root access if they have the drives mounted on their pc's (don't ask me
> how)
> - which he is not very happy about.

Security officers aren't supposed to be happy, it's their job. IDL doesn't

care where you put your program files, so you have the choice of putting them in one common (mounted) directory on the network...or going through the hassle of synchronizing the directories on all your workstations. If mounting the unix directory to the pc is not an option, how about sharing a directory on the pc so that your unix machines can mount it? I suggest keeping your IDL *.pro files separate from the RSI installation directory, that way you can run different licensed copies of IDL across the network and specify your mounted directory containing your *.pro files in IDL's path settings. I know Exceed or Hummingbird supports mounting an NT dir from unix, we've had that working before. Hope this helps,

Charlie Solomon
Raytheon Systems Co.
El Segundo, CA

Subject: Re: Synchronising Unix and NT IDL's
Posted by [philip aldis](#) on Fri, 06 Nov 1998 08:00:00 GMT
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Subject: Re: Synchronising Unix and NT IDL's
Posted by [Liam Gumley](#) on Mon, 09 Nov 1998 08:00:00 GMT
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philip aldis wrote:

- > However I really would like to synchronise my files so that whichever
- > one I am on, I am using a common set of program files so that when I
- > update the files and then use the other version, the files are updated.

This exact capability is provided by CVS, a system for version control that is available for Unix, PC, and Mac. The basic idea is that you set up a master repository for your source code (on a Unix box), and you can then check out a copy of the code on another platform (Unix/PC/Mac). When you are done making changes, there is only one command required to update your changes back into the master repository. We've been using CVS for version control of IDL, FORTRAN, and C sources for a while now, and we are very fond of it.

A modest collection of CVS information, including a condensed 2 page 'cheat-sheet', is available at <http://cimss.ssec.wisc.edu/~gumley>

Cheers,
Liam.

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