

Support Platforms - Feature #2099

sharing accounts/credentials

01/11/2017 02:35 PM - Szilárd Páll

Status:	New
Priority:	High
Assignee:	
Category:	
Target version:	
Description	
<p>__We should come up with a robust and secure way to share accounts/credentials related to the GROMACS infrastructure. If only X knows the password because he/she set up the machine/service is bad. Not having access to a compiler because only Y knows the Intel account's credentials is silly. Using crappy passwords just because they're easy to remember is a bad excuse.</p> <p>I'd think a password database with strong encryption and strong master pass (+ key?) would be best. I'd recommend keepass, it has clients for everything, so it mostly just works, but there could be even simpler/better alternatives.</p> <p>I know a single point of failure is not ideal, but some of the current practices are just poor, don't scale, and don't allow sharing responsibilities.</p>	

History

#1 - 01/11/2017 02:50 PM - Alexey Shvetsov

Well, there is some simple way (at least how its done in gentoo linux):

Account info storred in file encrypted with GPG (so anyone who has right key [there can be many keys to decrypt] can read contents of this file). So in this case file can even be stored in some public place =)

#2 - 01/11/2017 03:13 PM - Roland Schulz

Do we want those with access to some of the logins to have access to all? Or do we need a solution where we can give people access to only some?

I also think we should use gpg. Something like <https://github.com/StackExchange/blackbox> seems like a good solution.

#3 - 01/11/2017 03:23 PM - Szilárd Páll

- Description updated

#4 - 01/11/2017 03:23 PM - Szilárd Páll

- Description updated

#5 - 01/11/2017 03:31 PM - Szilárd Páll

Good point, GPG *should* be enough, but if we have a number of accounts, not having to maintain our own tabulated, sane formatted text file would already be a benefit.

Roland's point is good, we *might* want to be able to share only some of the data, not all, but I'm not sure if this is a must.

#6 - 01/12/2017 07:55 PM - Roland Schulz

The nice thing about something like blackbox is that you can add users and remove users in a safe way. Given that there is no common master password you can remove users without having to create a new master password and reshare that new master password with all users. Resharing the master password in a safe way is hard, because you need a secure channel. And it integrates nicely into git and thus works nicely with our other infrastructure.

#7 - 07/22/2017 12:27 AM - Stefan Fleischmann

- Project changed from Sysadmin to Support Platforms

#8 - 12/06/2017 08:11 PM - Roland Schulz

keybase encrypted git (<https://keybase.io/blog/encrypted-git-for-everyone>) might be great for this