D4Science Infrastructure - Task #5546

Install a .Rprofile file inside the rstudio users's home directories and fix the home directory permissions

Oct 21, 2016 02:34 PM - Andrea Dell'Amico

Status:	Closed		**Start date:**	Oct 21, 2016
Priority:	Normal		**Due date:**	
Assignee:	Andrea Dell'Amico		**% Done:**	100%
Category:	System Application		**Estimated time:**	0.00 hour
Target version:	UnSprintable			
Infrastructure:	Development, Pre-Production, Production			

Description
The public repository for the file is here: http://svn.research-infrastructures.eu/public/d4science/gcube/trunk/data-analysis/RConfiguration

History

#1 - Oct 21, 2016 06:00 PM - Andrea Dell'Amico

- Subject changed from Install a .Rprofile file inside the rstudio users's home directories to Install a .Rprofile file inside the rstudio users's home directories and fix the home directory permissions

#2 - Oct 21, 2016 06:11 PM - Andrea Dell'Amico

- Status changed from New to In Progress

- % Done changed from 0 to 60

On rstudio-dev I've just installed a new version of the r-connector script that:

- do not allow the creation of non ldap users (it logs an entry in /var/log/syslog)
- sets the new users home directory permissions so that the gcube user can update the userconfig.csv file
- creates the link .Rprofile -> /srv/d4science/RStudioConfiguration/.Rprofile, where the source is the Rprofile downloaded from subversion

I also installed a cron job that executes a cd /srv/d4science/RStudioConfiguration ; svn update so that any modification to the master will land into the users home directories in at most 24 hours.

I already tested that the new permissions (example):

```
drwx--x---  6 andrea.dellamico      gcube  126 Oct 21 17:46 andrea.dellamico

drwx--x---  6 andrea.dellamico gcube   126 Oct 21 17:46 .
drwxr-xr-x 24 root             root   4096 Oct 21 17:41 ..
drwxr-xr-x  3 andrea.dellamico ri       23 Oct 21 17:45 .cache
drwxr-xr-x  3 andrea.dellamico ri       40 Oct 21 17:46 R
-rw-r--r--  1 andrea.dellamico ri    12118 Oct 21 17:45 .RData
-rw-r--r--  1 andrea.dellamico ri      141 Oct 21 17:50 .Rhistory
lrwxrwxrwx  1 andrea.dellamico root     45 Oct 21 17:41 .Rprofile -> /srv/d4science/RStudioConfiguration/.Rpro
file
drwxr-xr-x 13 andrea.dellamico ri     4096 Oct 21 17:50 .rstudio
drwxr-xr-x  3 andrea.dellamico ri       61 Oct 21 17:41 .subversion
-rw-rw----  1 andrea.dellamico gcube     8 Oct 21 17:50 userconfig.csv
```

are sufficient to permit the writing of userconfig.csv. When @gianpaolo.coro@isti.cnr.it will be able to confirm that he cannot read my files from his session I'll distribute the scripts on rstudio.d4science.org and dataminer1-proto.d4science.org.
I will then proceed to the local users removal (already done on rstudio-dev)

Note to @gianpaolo.coro@isti.cnr.it: the text

```
print(paste("*****************SECURITY NOTES*******************"))
print(paste("By default, all users can watch the files of the others"))
print(paste("-But they cannot alter them-"))
print(paste("In order to definitely hide the contents of your workspace, please launch the command:"))
print(paste("system(\"chmod go-rx $HOME\",intern = FALSE);"))
print(paste("*********************************************"))
```

is dangerous (it's also becoming obsolete, but): if you remove the execute permissions to the group, the r-connector isn't able to write the userconfig.csv file anymore and the user session cannot be opened.

#3 - Oct 31, 2016 06:27 PM - Andrea Dell'Amico

- Status changed from In Progress to Closed

- % Done changed from 60 to 100

The new profile is available to all the existing users and it will be installed to the new ones.