

ctools - Feature #1088

Automatically update parameter file if parameter changed

01/17/2014 09:34 AM - Knödseder Jürgen

Status:	Closed	Start date:	01/17/2014
Priority:	Normal	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	00-07-00		
Description			
Several users reported problems after an update of ctools related to obsolete parameter files in the pfiles directory (see for example #1087).			
A mechanism should be implemented that automatically updates the pfiles if a new version becomes available. This can only be done upon using ctools, as each user has his own pfiles directory which cannot be accessed during installation. One solution would be that the file modification times of the local file in pfiles is compared with the file in syspfiles. If syspfiles is newer, an update is done.			
Related issues:			
Related to ctools - Bug # 1087: ctbin gives invalid arguemnt error		Closed	01/17/2014

Associated revisions

Revision 469c1ff9 - 01/17/2014 10:20 AM - Knödseder Jürgen

Update pfiles if syspfiles are newer (fixes #1088)

History

#1 - 01/17/2014 09:44 AM - Knödseder Jürgen

Not sure anymore if this should be done over the modification time, as in GAMMALIB no explicit reference should be made to ctools. We may do this using the ctools configuration script, looping over all files in PFILES and replacing them if the version in SYSPFILES is newer.

#2 - 01/17/2014 09:51 AM - Knödseder Jürgen

Problem: modification time is accessed in a shell on Unix using

```
stat -c "%Y" file.par
```

while on Mac OS X the command is

```
stat -f "%m" file.par
```

#3 - 01/17/2014 09:58 AM - Knödseder Jürgen

The following seems to work on all systems:

```
if test cssens.par -nt cspull.par
then
  echo "cssens.par newer"
else
  echo "cspull.par newer"
fi
```

#4 - 01/17/2014 10:09 AM - Knödseder Jürgen

The following seems to do the job:

```
local_pfiles=$HOME/pfiles
sys_pfiles=$GAMMALIB/syspfiles
for filename in $local_pfiles/*.par
do
  parfile=`basename $filename`
  sys_parfile=$sys_pfiles/$parfile
  if [ -e $sys_parfile ]
  then
    if test $sys_parfile -nt $filename
    then
      cp -f $sys_parfile $filename
    fi
  fi
done
```

#5 - 01/17/2014 10:22 AM - Knödseder Jürgen

- Status changed from New to Feedback
- Assigned To set to Knödseder Jürgen
- Target version set to 00-07-00
- % Done changed from 0 to 100

The code has been implemented in the GammaLib and ctools setup scripts. Should no longer be an issue.

#6 - 01/19/2014 02:06 AM - Knödseder Jürgen

- Status changed from Feedback to Closed