**#20243** - <https://redmine.vnc.biz/issues/20243>

1. **Description**:

Update vnctalkinstaller cronjob installer

Improve the "vnctalkInstaller/scripts/install\_cronjobs.sh" bash script to install cronjobs from vnc-uc/VNCtalk/vnctalkInstaller/cronjobs.

The script should be able to select which user should run the cronjobs: initially the "vnc" user

The script should able able to detect if the cronjob is already installed and thus do not reeinstall exisiting cron jobs.

The script should also be able to detect other cronjobs added by the sysadmin.

* For example: the user vnc installed a cronjob to pull from a git repository every hour.
* The vnctalkinstaller wants to install the vnctalk cronjobs
* the installer should be intelligent to detect existing cronjobs and do not delete them

1. **Analytic**
   1. **Root cause**:

Only apply cronjobs in cronjob files when run shell script and don’t detect if the cronjob is already installed.

* 1. **Solutions**:

Write a new script make following actions:

- First, make cronjob\_tmp file with null data.

- Input cronjob prefix (ex: prefix = cron1 of file cron1.cronjob) in cronjob directory.

- Make a backup file of current cronjob.

- Check cronjob exist:

+ if exist: do nothing

+ if not: add new cronjob and restore bakup included new cronjob.

- Add option "--remove" when we want to remove specific cronjob in current cronjob.

* 1. **Code:**
* install\_cronjobs.sh:

|  |
| --- |
| #!/bin/bash -e  crontab\_action() {  #get current crontab  crontab -l > crontab\_tmp || crontab crontab\_tmp  # if crontab is executable  if type crontab >/dev/null 2>/dev/null; then  if test $mode = add; then  if grep -Fx "$cron\_unique\_line" crontab\_tmp >/dev/null; then  echo "Crontab line : $cron\_unique\_line already exists, skip this line."  else  echo "Appending cronjob: $cron\_unique\_line"  echo "$cron\_unique\_line" >> crontab\_tmp  #restore crontab with new line  crontab crontab\_tmp  fi  elif test $mode = remove; then  if grep -Fx "$cron\_unique\_line" crontab\_tmp >/dev/null; then  echo "Removing cronjob: $cron\_unique\_line"  grep -Fxv "$cron\_unique\_line" crontab\_tmp > crontab\_remove  crontab crontab\_remove  else  echo "Cronjob line does not exist, nothing to do."  fi  fi  fi  #clear tm file  echo "Done."  rm -rf crontab\_tmp crontab\_remove  }  test "$2" = --remove && mode=remove || mode=add  PREFIX=$1  echo "Mode: "$mode  #get cronjob directory  FILES="$VNCTALK\_CRONJOBS\_FILES\_PATH/$PREFIX\*.cronjob"  #create file for current cronjob  touch crontab\_tmp  #install each .cronjob file  for f in $FILES  do  echo "Processing $f"  #install each line in .cronjob file  while read line  do  cron\_unique\_line=$line  crontab\_action  done < $f  done |

Committed code in release\_2.4.0 of VNCTalk

<https://redmine.vnc.biz/projects/vnc-uc/repository/revisions/27686d8df773aec2c2918ea3bec2ec0ecda4bf88>