

# Backup avec BackupPC

## Installation de BackupPC

### BackupPC 3.3 :

BackupPC 3.3 est disponible sur les dépôts officiel de Debian:

```
# apt install backuppc
```

Il faut configurer Apache2, donc commencer par :

```
# rm /etc/apache2/sites-enabled/*
```

Il faut ensuite créer un VirtualHost d'Apache2 dans */etc/apache2/sites-available* comme ceci :

[backuppc.conf](#)

```
<VirtualHost *:80>
  DocumentRoot /usr/share/backuppc/cgi-bin
  Alias /backuppc /usr/share/backuppc/cgi-bin/
  <Directory /usr/share/backuppc/cgi-bin/>
    AllowOverride None
    Allow from all

    Options ExecCGI FollowSymlinks
    AddHandler cgi-script .cgi
    DirectoryIndex index.cgi

    AuthUserFile /etc/backuppc/htpasswd
    AuthType basic
    AuthName "BackupPC admin"
    require valid-user
  </Directory>
</VirtualHost>
```

Puis de l'activer :

```
# a2ensite backuppc.conf
# systemctl reload apache2
```

On va aussi définir un mot de passe à l'utilisateur backuppc en rentrant la commande :

```
# htpasswd /etc/backuppc/htpasswd backuppc
```

Il faut ensuite créer la clés SSH de l'utilisateur backuppc en lançant les commandes :

```
# sudo -i -u backuppc
# ssh-keygen -t rsa -b 4096
# exit
```

Attention à ne pas mettre de Passphrase a la clé.

## Facultatif

Pour changer l'emplacement de travail de BackupPC (en l'occurrence des backups), il faut d'abord copier le dossier de travail dans la nouvelle destination :

```
# rsync -aXv /var/lib/backuppc /path/to/dest/
```

puis de modifier les champs suivants dans la fichier `/etc/backuppc/config.pl` :

```
$Conf{TopDir}      = '/path/to/dest/';
$Conf{LogDir}      = '/path/to/dest/log';
```

Puis relancer le service

```
# systemctl restart backuppc
```

## BackupPC 4 :

Attention, cela nécessite de compiler le packet. J'ai donc réalisé ce script pour le faire a votre place :)

[backuppc4-setup.sh](#)

```
#!/bin/bash

if [[ $EUID -ne 0 ]]; then
    echo "This script must be run as root"
    exit 1
fi

echo -e "CAREFUL !\nIf you're installing from backuppc 3, backups and
hosts will (normally) be conserved, \nBUT some configuration need to be
changed manually by you (Apache2, backup settings,...).\nBackup your
/etc/backuppc directory, and Good luck !"
read -n 1 -s -r -p "Press any key to continue"
echo "PURGE DE BACKUPPC ET AJOUT DES DÉPENDENCES"
apt remove backuppc
apt-get install -y par acl libacl-dev apache2 apache2-utils
libapache2-mod-perl2 glusterfs-client par2 perl smbclient rsync tar
sendmail gcc zlib1g zlib1g-dev libapache2-mod-scgi rrdtool git make
perl-doc libarchive-zip-perl libfile-listing-perl libxml-rss-perl
libcgi-session-perl libtime-parsedate-perl
```

```
if [ ! -d "/var/lib/backuppc" ]; then
    mkdir /var/lib/backuppc
    echo "CREATION DE L'UTILISATEUR BACKUPPC"
    adduser --system --home /var/lib/backuppc --group --disabled-
password --shell /bin/bash backuppc
    mkdir -p /var/lib/backuppc/.ssh
    ssh-keygen -q -t rsa -b 4096 -N '' -C "BackupPC key" -f
/var/lib/backuppc/.ssh/id_rsa
    echo -e "BatchMode yes" > /var/lib/backuppc/.ssh/config
    chmod 700 /var/lib/backuppc/.ssh && chmod 600
/var/lib/backuppc/.ssh/id_rsa && chmod 644
/var/lib/backuppc/.ssh/id_rsa.pub && chmod 644
/var/lib/backuppc/.ssh/config && chown -R backuppc:backuppc
/var/lib/backuppc/.ssh
fi

pushd `mktemp -d`
mkdir backuppc rsync-bpc backuppc-xs

echo "RECUPERATION DES DÉPOTS BACKUPPC"
curl -s https://api.github.com/repos/backuppc/backuppc/releases/latest
| grep "browser_download_url.*tar.gz" | cut -d : -f 2,3 | tr -d \" |
wget -qi - -O backuppc.tar.gz
curl -s https://api.github.com/repos/backuppc/rsync-bpc/releases/latest
| grep "browser_download_url.*tar.gz" | cut -d : -f 2,3 | tr -d \" |
wget -qi - -O rsync-bpc.tar.gz
curl -s https://api.github.com/repos/backuppc/backuppc-
xs/releases/latest | grep "browser_download_url.*tar.gz" | cut -d : -f
2,3 | tr -d \" | wget -qi - -O backuppc-xs.tar.gz

echo "COMPILATION DE BACKUPPC-XS"
tar -xzf backuppc-xs.tar.gz -C backuppc-xs/
cd backuppc-xs/*/
perl Makefile.PL
make
make test
make install
cd ../../

echo "COMPILATION DE RSYNC-BPC"
tar -xzf rsync-bpc.tar.gz -C rsync-bpc/
cd rsync-bpc/*/
./configure
make
make install
cd ../../

echo "COMPILATION DE BACKUPPC"
tar -xzf backuppc.tar.gz -C backuppc/
cd backuppc/*/
if [ -f "/etc/backuppc/config.pl" ]; then
```

```
systemctl stop backuppc
  ./configure.pl --batch --config-path /etc/backuppc/config.pl
popd
systemctl start backuppc
else
  ./configure.pl --batch --cgi-dir /usr/local/backuppc/cgi-bin --
data-dir /var/lib/backuppc --hostname backuppc --html-dir
/usr/local/backuppc/cgi-bin --html-dir-url '' --install-dir
/usr/local/backuppc --config-dir /etc/backuppc
  echo "CONFIGURATION DE BACKUPPC"
  cp systemd/backuppc.service /etc/systemd/system/ && systemctl
daemon-reload
  sed -i "s/{CgiAdminUsers} = ' ';/{CgiAdminUsers} =
'backuppc';/g" /etc/backuppc/config.pl
  systemctl enable backuppc && systemctl start backuppc

  echo "CONFIGURATION D'APACHE2"
  cat << EOF > /etc/apache2/sites-available/001-backuppc.conf
<VirtualHost *:80>
  DocumentRoot /usr/local/backuppc/cgi-bin

  Alias /hw /var/www/hw/

  <Directory /usr/local/backuppc/cgi-bin/>
    AllowOverride None
    Allow from all

    Options ExecCGI FollowSymLinks
    DirectoryIndex BackupPC_Admin

    <FilesMatch "BackupPC_Admin$" >
      SetHandler cgi-script
    </FilesMatch>
    AuthUserFile /etc/backuppc/htpasswd
    AuthType basic
    AuthName "BackupPC admin"
    require valid-user
  </Directory>

</VirtualHost>

EOF
  sed -i 's/www-data/backuppc/' /etc/apache2/envvars
  a2dissite 000-default
  a2enmod cgid && a2ensite 001-backuppc.conf

  systemctl restart apache2

  if [ ! -f "/etc/backuppc/htpasswd" ]; then
    touch /etc/backuppc/htpasswd
    htpasswd -b /etc/backuppc/htpasswd 'backuppc' 'password'
```

```
fi
popd
fi
echo -e "FINI !\nUse the account backuppc with the password 'password'"
```

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