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 a 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 -aAXv /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  libacl1-dev apache2 apache2-utils
libapache2-mod-perl2 glusterfs-client par2 perl smbclient rsync tar 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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