

# Restic

## Restic en quelques exemples

- Pour initialiser un repository sur un serveur rest

```
restic rest:https://user:pwd@server:8000/user init
```

- Pour sauver un backup sur un serveur rest

```
restic -r rest:https://user:pwd@server:8000/user backup --limit-upload=1500 -p password.txt /source
```

Attention, le :8000/**user** doit correspondre au login de la connexion **user:pwd**

- Faire une sauvegarde mysql

```
mysqldump --defaults-file=~/.my.cnf dolibarr -h localhost -u vince -P 3306 -l --single-transaction -K --add-drop-table=TRUE --tables -c -e - -hex-blob --default-character-set=utf8 | restic -r rest:https://vincent:RaoulCastro@mail2.makeitsimple.be:8000/vincent/ backup --stdin --stdin-filename dolibarr.sql
```

- Purger

```
restic -r /mnt/backup/restic/vincent/ forget --keep-daily 15 --keep-weekly 3 --keep-monthly 6 --keep-yearly 6 --prune
```

## Rest-server

1. Mettre à jour les dépôts APT

```
apt update
```

2. Installer go make & git

```
apt-get install golang-go git make apache2-utils -y
```

3. Télécharger le dépôt du rest-server

```
git clone https://github.com/restic/rest-server
```

4. Télécharger les dépendances

```
go get github.com/restic/rest-server
go get github.com/spf13/cobra
go get github.com/prometheus/client_golang/prometheus
go get github.com/gorilla/handlers
```

```
go get goji.io/middleware
go get golang.org/x/crypto/bcrypt
```

5. Entrer dans le dossier, compiler et déployer l'installation

```
cd rest-server/
CGO_ENABLED=0 go build -o rest-server ./cmd/rest-server
cp rest-server /usr/bin
```

6. Adapter les droits du dossier de destination

```
mkdir -p /mnt/backup/restic
touch /mnt/backup/restic/.htpasswd
chown -R www-data:www-data /mnt/backup/restic
```

7. Editer le fichier systemctl rest-server

```
nano examples/systemd/rest-server.service
```

Et modifier ExecStart=/usr/local/bin/rest-server -path **/mnt/backup/restic -private-repos -append-only**

8. Copier le fichier de démarrage systemctl

```
cp examples/systemd/rest-server.service /etc/systemd/system/
```

9. Générer un utilisateur

```
htpasswd -B /mnt/backup/restic/.htpasswd **utilisateur**
```

10. Activer et lancer le service rest-server

```
systemctl enable rest-server
systemctl start rest-server
systemctl status rest-server
```

## Sources

- <https://www.kloppenborg.net/blog/2019/06/12/restic-backup-server>
- [https://restic.readthedocs.io/en/latest/060\\_forget.html#removing-snapshots-according-to-a-policy](https://restic.readthedocs.io/en/latest/060_forget.html#removing-snapshots-according-to-a-policy)
- <https://golb.hplar.ch/2020/04/backup-restic.html>
- <https://www.hostwinds.com/guide/creating-mysql-backups-restic/>
- <https://catlife.drycat.fr/~/XataZ/restic-rempla%C3%A7ant-de-borg-et-duplicati>

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