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MySQL baza iz komandne linije

Backup

```
$ mysqldump --add-drop-table --single-transaction -u _kohauser_ -p koha > 2008-11-11_koha.sql
$ mysqldump --add-drop-table -u _kohauser_ -p koha issues > 2008-11-11_koha.issues.sql
```

<http://www.nabble.com/Backing-up-3.0-to21076508.html>

Restore

```
$ mysql -u _kohauser_ -p koha < 2008-11-11_koha.sql
$ mysql -u _kohauser_ -p koha.issues < 2008-11-11_koha.issues.sql
```

Restore sa zfs

opr - zfs backup server

```
# Find backup snapshot to restore
dpavlin@opl:~$ ./veid2hostname.sh
212052 koha-dev.rot13.org
212056 webpac2.rot13.org
212226 koha.ffzg.hr
dpavlin@opl:~$ sudo zfs list | grep 212226 | tail -3
opl/backup/212226@2010-01-05    662M      -    25.4G  -
opl/backup/212226@2010-01-06    28K      -    25.4G  -
opl/clone/212226-m1in          30.0M    24.5G  25.4G  /opl/clone/212226-m1in

# make clone to access files
dpavlin@opl:~$ sudo zfs clone opl/backup/212226@2010-01-06 opl/clone/koha-2010-01-06
dpavlin@opl:~$ df -h /opl/clone/koha-2010-01-06
```

Filesystem	Size	Used	Avail	Use%	Mounted on
opl/clone/koha-2010-01-06	50G	26G	25G	51%	/opl/clone/koha-2010-01-06

cpio file transfer

- mlin - hardware which provide resources
- opl - machine with backup files

```

root@mmlin:/virtual.clone# mkdir koha-2010-01-06
root@mmlin:/virtual.clone# cd koha-2010-01-06/

# start listener for cpio data transfer
root@mmlin:/virtual.clone/koha-2010-01-06# nc -l -p 8888 | pv | cpio --extract --make-directories

dpavlin@opl:~$ sudo bash
root@opl:~# cd /opl/clone/koha-2010-01-06
root@opl:/opl/clone/koha-2010-01-06# find . | cpio --create | pv | nc 10.60.0.93 8888

```

rsync file update

```

dpavlin@mmlin:~$ sudo rsync -ravH --numeric-ids --sparse --delete --exclude 'backup*' \
10.60.0.90:/opl/clone/koha-2010-01-06/ /virtual.clone/koha-2010-01-06/

real    24m48.767s
user    5m0.027s
sys     2m3.656s

```

Kopiranje postojećih virtualnih mašina prije rsync-a da bi se smanjilo broj promjena koje treba preneti rsync-om:

```

dpavlin@mmlin:/virtual.clone/koha.ffzg.hr$ time sudo cp -ar * ../koha-2010-01-06/

real    14m59.742s
user    0m0.932s
sys     0m38.278s

```

Virtualna mašina

Nakon restora sa zfs-a treba napraviti sljedeća podujavanja:

Pokrenuti screen u kojem će biti virtualna mašina

```
dpavlin@mmlin:~$ screen -S koha-upgrade
```

Filesystem

```
lvcreate -s /dev/vg/koha -L 80G -n koha-upgrade

root@m1n:~# mount /dev/vg/koha-upgrade /virtual.clone/koha-upgrade/
root@m1n:~# df /virtual.clone/koha-upgrade/
Filesystem              1K-blocks          Used Available Use% Mounted on
/dev/mapper/vg-koha--upgrade
                        82569904   56551456   26018448   69% /virtual.clone/koha-upgrade
```

Start LXC

```
root@m1n:~# cd /srv/sysadmin-cookbook/recepies/lxc/
root@m1n:/srv/sysadmin-cookbook/recepies/lxc# ./ve2lxc.sh /virtual.clone/koha-upgrade/ 10.60.0.2
```

Setup inside LXC

- `ugasiti monit apt-get remove monit`
- ~~`provjertiti IP adrese u /etc/apache2/sites-enabled/`~~

BTRFS

```
root@opl:~# zfs clone opl/backup/212226@2010-03-06 opl/clone/koha-2010-03-06
```

```
root@prod:/virtual# time rsync -rav --exclude 'backup/*' --delete 10.60.0.90::clone/koha-2010-03-
receiving incremental file list
```

...

```
sent 3297036 bytes  received 4392640729 bytes  6527004.85 bytes/sec
total size is 23473104677  speedup is 5.34
```

```
real    11m13.873s
user    1m15.985s
sys     0m39.890s
```

```
root@prod:/virtual# btrfsctl -s /virtual/koha@2010-03-06 /virtual/koha
operation complete
Btrfs Btrfs v0.19
```

```
root@prod:/virtual# btrfsctl -s /virtual/koha-242 /virtual/koha
operation complete
Btrfs Btrfs v0.19
```

```
dpavlin@prod:~$ sudo bash ve2lxc.sh /virtual/koha-242 10.60.0.242 koha-242
```