

Ova stranica dokumentira naša podešavanja (i pokušaje) za što bržom Koha instalacijom.

time wget -O /tmp/foo

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## Apache deflate kompresija

Smanjuje veličinu stranice koja se isporučuje browseru.

[Sysadmin Cookbook :: apache2](#)

- [apache2](#)

### **deflate-test.sh**

- ◆ check if deflate gets any benefits to single URL [2009-11-02 15:40 apache2/deflate-test.sh](#)

```
#!/bin/sh

if [ -z "$1" ] ; then
    echo "Usage: http://www.example.com/"
    exit 1
else
    url=$1
fi

time wget $url -O /tmp/foo
echo
time wget --header="Accept-Encoding: gzip" $url -O /tmp/foo.gz
echo

orig_size=`ls -al /tmp/foo | awk '{ print $5 }'`
comp_size=`ls -al /tmp/foo.gz | awk '{ print $5 }'`

if [ $comp_size -lt $orig_size ] ; then
    echo "OK $comp_size < $orig_size";
else
    echo "ERROR: no visible compression benefits"
fi

#ls -al /tmp/foo /tmp/foo.gz
```

## deflate.conf

◆ Apache2 configuration to deflate all content 2009-11-02 15:39  
apache2/deflate.conf

```
# /etc/apache2/conf.d/deflate.conf

<IfModule mod_deflate.c>
    AddOutputFilterByType DEFLATE text/html text/plain text/xml

    SetOutputFilter DEFLATE
    SetEnvIfNoCase Request_URI \.(?:gif|jpe?g|png)$                no-gzip dont-vary
    SetEnvIfNoCase Request_URI \.(?:exe|t?gz|zip|bz2|sit|rar)$      no-gzip dont-vary
    SetEnvIfNoCase Request_URI \.pdf$

    BrowserMatch ^Mozilla/4 gzip-only-text/html
    BrowserMatch ^Mozilla/4\.0[678] no-gzip
    BrowserMatch \bMSIE !no-gzip !gzip-only-text/html

    DeflateFilterNote Input input_info
    DeflateFilterNote Output output_info
    DeflateFilterNote Ratio ratio_info
    LogFormat '"%r" %{output_info}n/%{input_info}n (%{ratio_info}n%)' deflate
    CustomLog /var/log/apache2/deflate.log deflate
</IfModule>
```

## server-status.conf

◆ add /server-status in /etc/apache2/conf.d/ 2009-11-09 14:42  
apache2/server-status.conf

```
<IfModule mod_status.c>

# munin needs ExtendedStatus
ExtendedStatus On

<Location /server-status>
    SetHandler server-status
    Order deny,allow
    Deny from all
#    Allow from all
    Allow from 127.0.0.1
    Allow from .ffzg.hr
</Location>

</IfModule>
```

# Session

```
dpavlin@koha:~$ sudo ./mk-query-digest /var/log/mysql/mysql-slow.log
```

```
# Profile
# Rank Query ID           Response time     Calls R/Call      Item
# =====
# 1 0xc7A803CDD4FE9A36    30517.0000 45.5%    349 87.4413 INSERT UPDATE sessions
# 2 0xB4F2B316DFE865C8    8027.0000 12.0%    119 67.4538 SELECT sessions
# 3 0x6019E0D94A244FF5    3952.0000 5.9%     275 14.3709 SELECT opac_news
# 4 0x1F809CA9753CDEE7    2753.0000 4.1%     23 119.6957 SELECT biblio
# 5 0x27CE7D5D2BC5F598    2305.0000 3.4%     206 11.1893 SELECT fieldmapping
```

```
# 6 0xB0F504DD073A49CB 2192.0000 3.3% 30 73.0667 SELECT issues items biblio biblioitems
# 7 0x8ED635CB153D27A5 2146.0000 3.2% 19313 0.1111 SELECT reserves reserveconstraints
# 8 0xDB6DC1962741AB10 1978.0000 3.0% 7 282.5714 SELECT biblio biblioitems itemtypes
# 9 0x32783383AEA5AD49 1642.0000 2.4% 10 164.2000 SELECT items
# 10 0x6DD9F09DA2455228 1361.0000 2.0% 8 170.1250 DELETE sessions
```

Promjeniti SessionStorage u "as temporary files" i opcionalno pomaknuti ih u /dev/shm umjesti o u /tmp/:

```
dpavlin@koha:~$ diff -urw /srv/koha/C4/Auth.pm /usr/share/koha/lib/C4/Auth.pm
--- /srv/koha/C4/Auth.pm      2010-02-20 21:41:34.000000000 +0100
+++ /usr/share/koha/lib/C4/Auth.pm      2010-04-26 16:03:17.671211497 +0200
@@ -1341,7 +1341,7 @@
     }
     else {
         # catch all defaults to tmp should work on all systems
-        $session = new CGI::Session("driver:File;serializer:yaml;id:md5", $sessionID, {Directory
+        $session = new CGI::Session("driver:File;serializer:yaml;id:md5", $sessionID, {Directory
```

## Profile

### Devel::NYTProf

instalacija:

```
root@koha-dev-git-reorg:~# cpan Devel::NYTProf
```

profile search query:

```
root@koha-dev-git-reorg:/usr/share/koha/opac/cgi-bin/opac# time perl -d:NYTProf -I/usr/share/koha
1553      3259      58648

real    0m4.001s
user    0m3.152s
sys     0m0.560s
```

generate html report:

```
root@koha-dev-git-reorg:/usr/share/koha/opac/cgi-bin/opac# nytprofhtml
Generating report...
Reading nytprof.out
Writing report to nytprof directory
```

## koha-240

First run

```
dpavlin@koha-240:/tmp$ time perl -d:NYTProf -I/usr/share/koha/lib/ /usr/share/koha/opac/cgi-bin/o
Use of uninitialized value $borrowernumber in string eq at /usr/share/koha/opac/cgi-bin/opac/opac
Use of uninitialized value in string eq at /usr/share/koha/opac/cgi-bin/opac/opac-search.pl line
    1962     3177     64512

real    0m8.561s
user    0m5.708s
sys     0m0.724s
```

## Second run

```
dpavlin@koha-240:/tmp$ time perl -d:NYTProf -I/usr/share/koha/lib/ /usr/share/koha/opac/cgi-bin/o
Use of uninitialized value $borrowernumber in string eq at /usr/share/koha/opac/cgi-bin/opac/opac
Use of uninitialized value in string eq at /usr/share/koha/opac/cgi-bin/opac/opac-search.pl line
    1962     3177     64512

real    0m6.664s
user    0m5.636s
sys     0m0.816s
```

## Drop caches and run profile:

```
dpavlin@koha-240:/tmp$ sudo sh -c 'echo 3 > /proc/sys/vm/drop_caches'
```

## Zebra reindex

```
dpavlin@koha-240:/srv/koha$ sudo -u koha ./misc/migration_tools/rebuild_zebra.pl -b -v -r -d /tmp
```