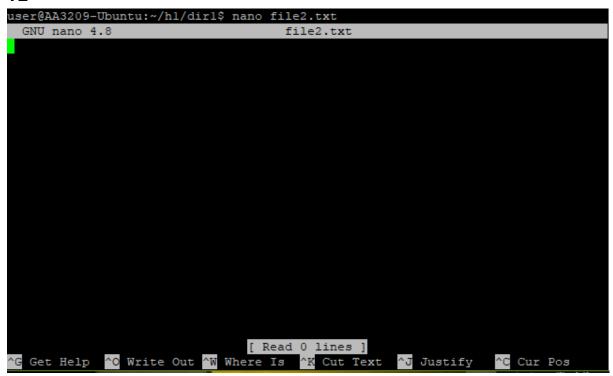
```
user@AA3209-Ubuntu:~/hl$ tar -cf dir2_backup.tar dir2
user@AA3209-Ubuntu:~/hl$ cd dir2
user@AA3209-Ubuntu:~/hl/dir2$ ls
NewFileX1.txt dir2_backup.tar file2.txt file3.txt file4.txt
user@AA3209-Ubuntu:~/hl/dir2$ gzip dir2_backup.txt
gzip: dir2_backup.txt: No such file or directory
user@AA3209-Ubuntu:~/hl/dir2$ gzip dir2_backup.tar
user@AA3209-Ubuntu:~/hl/dir2$ ls
NewFileX1.txt dir2_backup.tar.gz file2.txt file3.txt file4.txt
user@AA3209-Ubuntu:~/hl/dir2$
```

T2



```
Save file under DIFFERENT NAME?

Y Yes
N No
C Cancel

user@AA3209-Ubuntu:~/hl/dirl$ ls
NewFileXl.txt file2.txt file3.txt file4.txt uusifile2.txt
user@AA3209-Ubuntu:~/hl/dirl$
```

user@AA3209-Ubuntu:~/hl/dirl\$ less uusifile2.txt

```
E user@AA3209-Ubuntu: ~/h1/dir1 — □ X

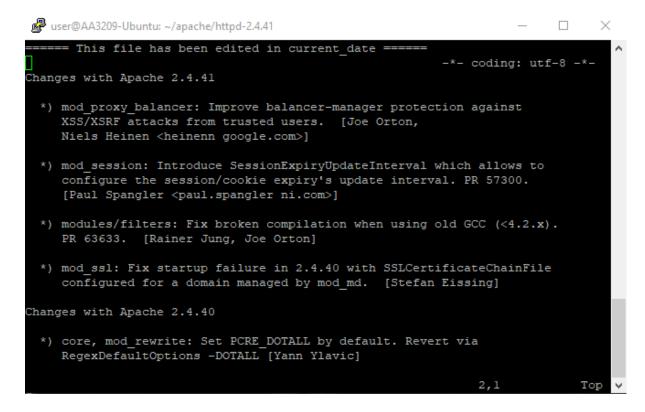
Tässä tehdään nyt Linuxin tehtäviä :)

uusifile2.txt (END)
```

```
SEARCHING
                 * Search forward for (N-th) matching line.
/pattern
?pattern
                 * Search backward for (N-th) matching line.
                 * Repeat previous search (for N-th occurrence).
Ν
                 * Repeat previous search in reverse direction.
ESC-n
                 * Repeat previous search, spanning files.
ESC-N
                 * Repeat previous search, reverse dir. & spanning files.
ESC-u
                    Undo (toggle) search highlighting.
                 * Display only matching lines
&pattern
      A search pattern may begin with one or more of:
     'N or ! Search for NON-matching lines.
     ^E or * Search multiple files (pass thru END OF FILE).
     ^F or @ Start search at FIRST file (for /) or last file (for ?).
     ^K
             Highlight matches, but don't move (KEEP position).
     ^R
              Don't use REGULAR EXPRESSIONS.
                        JUMPING
```

```
user@AA3209-Ubuntu:~$ wget http://student.labranet.jamk.fi/~hantt/apache/httpd-2
.4.41.tar.gz
--2021-02-22 01:20:27-- http://student.labranet.jamk.fi/~hantt/apache/httpd-2.4
.41.tar.gz
Resolving student.labranet.jamk.fi (student.labranet.jamk.fi)... 195.148.26.130
Connecting to student.labranet.jamk.fi (student.labranet.jamk.fi)|195.148.26.130
|:80... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://student.labranet.jamk.fi/~hantt/apache/httpd-2.4.41.tar.gz [fo
llowing]
--2021-02-22 01:20:27-- https://student.labranet.jamk.fi/~hantt/apache/httpd-2.
4.41.tar.gz
Connecting to student.labranet.jamk.fi (student.labranet.jamk.fi)|195.148.26.130
|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 9267917 (8.8M) [application/x-gzip]
Saving to: 'httpd-2.4.41.tar.gz'
httpd-2.4.41.tar.gz 100%[=========>]
                                                8.84M --.-KB/s
                                                                   in 0.09s
2021-02-22 01:20:28 (104 MB/s) - 'httpd-2.4.41.tar.gz' saved [9267917/9267917]
user@AA3209-Ubuntu:~$ ls
hl httpd-2.4.41.tar.gz kansiol tmp
```

```
user@AA3209-Ubuntu:~$ mkdir apache
user@AA3209-Ubuntu:~$ mv httpd-2.4.41.tar.gz apache
user@AA3209-Ubuntu:~$ ls
user@AA3209-Ubuntu:~$ cd apache/
user@AA3209-Ubuntu:~/apache$ ls
nttpd-2.4.41.tar.gz
user@AA3209-Ubuntu:~/apache$ gzip -d httpd-2.4.41.tar.gz
user@AA3209-Ubuntu:~/apache$ ls
nttpd-2.4.41.tar
user@AA3209-Ubuntu:~/apache$ tar -xf httpd-2.4.41.tar
user@AA3209-Ubuntu:~/apache$ ls
httpd-2.4.41 httpd-2.4.41.tar
user@AA3209-Ubuntu:~/apache$ cd httpd-2.4.41/
user@AA3209-Ubuntu:~/apache/httpd-2.4.41$ 1s
ABOUT APACHE
                LAYOUT
                                   ROADMAP
                                                    configure.in libhttpd.dsp
Apache-apr2.dsw LICENSE
                                   VERSIONING
                                                                  libhttpd.mak
                                                    emacs-style
Apache.dsw
                Makefile.in
                                   acinclude.m4
BuildAll.dsp
                Makefile.win
                                   ap.d
                                                    httpd.dep
BuildBin.dsp
                NOTICE
                                   apache probes.d httpd.dsp
CHANGES
                NWGNUmakefile
                                   build
                                                    httpd.mak
                                                                  srclib
MakeLists.txt
                README
                                   buildconf
                                                    httpd.spec
INSTALL
                README.cmake
                                   config.layout
InstallBin.dsp README.platforms configure
                                                    libhttpd.dep
```



```
user@AA3209-Ubuntu:~/apache/httpd-2.4.41$ head -18 CHANGES

======= This file has been edited in 22.02.2021 =======

-*- coding: utf-8 -*-

Changes with Apache 2.4.41

*) mod_proxy_balancer: Improve balancer-manager protection against
    XSS/XSRF attacks from trusted users. [Joe Orton,
    Niels Heinen <heinenn google.com>]

*) mod_session: Introduce SessionExpiryUpdateInterval which allows to
    configure the session/cookie expiry's update interval. PR 57300.

[Paul Spangler <paul.spangler ni.com>]

*) modules/filters: Fix broken compilation when using old GCC (<4.2.x).
    PR 63633. [Rainer Jung, Joe Orton]

*) mod_ssl: Fix startup failure in 2.4.40 with SSLCertificateChainFile
    configured for a domain managed by mod_md. [Stefan Eissing]

user@AA3209-Ubuntu:~/apache/httpd-2.4.41$
```

```
user@AA3209-Ubuntu:~$ tail /var/log/kern.log
user@AA3209-Ubuntu:~$
user@AA3209-Ubuntu:~$
user@AA3209-Ubuntu:~$
```

Jostain syystä ei toiminut

```
user@AA3209-Ubuntu:~$ curl --help
Usage: curl [options...] <url>
     --abstract-unix-socket <path> Connect via abstract Unix domain socket
    --alt-svc <file name> Enable alt-svc with this cache file
    --anyauth
                    Pick any authentication method
 -a, --append
                    Append to target file when uploading
                    Use HTTP Basic Authentication
     --basic
    --cacert <file> CA certificate to verify peer against
    --capath <dir> CA directory to verify peer against
 -E, --cert <certificate[:password]> Client certificate file and password
     --cert-status Verify the status of the server certificate
    --cert-type <type> Certificate file type (DER/PEM/ENG)
    --ciphers <list of ciphers> SSL ciphers to use
    --compressed
                   Request compressed response
    --compressed-ssh Enable SSH compression
 -K, --config <file> Read config from a file
     --connect-timeout <seconds> Maximum time allowed for connection
    --connect-to <HOST1:PORT1:HOST2:PORT2> Connect to host
 -C, --continue-at <offset> Resumed transfer offset
 -b, --cookie <data|filename> Send cookies from string/file
 -c, --cookie-jar <filename> Write cookies to <filename> after operation
    --create-dirs Create necessary local directory hierarchy
                    Convert LF to CRLF in upload
    --crlfile <file> Get a CRL list in PEM format from the given file
user@AA3209-Ubuntu:~$ cd funet
```

user@AA3209-Ubuntu:~/funet\$ touch funetpage.html

user@AA3209-Ubuntu:~/funet\$ ls

funetpage.html

e.html

```
% Total
            % Received % Xferd Average Speed
                                                Time
                                                                 Time Current
                                                        Time
                                Dload Upload
                                                                 Left Speed
                                                Total
                                                        Spent
100 36984 100 36984
                                 222k
                                                                        222k
user@AA3209-Ubuntu:~/funet$ ls
funetpage.html
user@AA3209-Ubuntu:~/funet$ cat funetpage.html
!DOCTYPE html>
(html class="client-nojs" lang="fi" dir="ltr">
(head>
cmeta charset="UTF-8"/>
(title>Funet - Wikipedia</title>
script>document.documentElement.className="client-js";RLCONF={"wgBreakFrames":
.,"wgSeparatorTransformTable":[",\t."," \t,"],"wgDigitTransformTable":["",""],"w
gDefaultDateFormat":"fi normal","wgMonthNames":["","tammikuu","helmikuu","maalis
kuu","huhtikuu","toukokuu","kesäkuu","heinäkuu","elokuu","syyskuu","lokakuu","ma
raskuu","joulukuu"],"wgRequestId":"YDKHf2sV3KByB@-dqj3F0wAAABI","wgCSPNonce":!1:
"wgCanonicalNamespace":"","wgCanonicalSpecialPageName":!1,"wgNamespaceNumber":0
"wgPageName":"Funet","wgTitle":"Funet","wgCurRevisionId":18105385,"wgRevisionId
::18105385,"wgArticleId":340035,"wgIsArticle":!0,"wgIsRedirect":!1,"wgAction":"v
iew","wgUserName":null,"wgUserGroups":["*"],"wgCategories":["Tietotekniikkatyngä
.","Internet","Suomen koulutus"],"wgPageContentLanguage":"fi","wgPageContentMode
l":"wikitext","wgRelevantPageName":"Funet","wgRelevantArticleId":340035,"wgIsPro
ablyEditable":!0,"wgRelevantPageIsProbablyEditable":!0,"wgRestrictionEdit":[],"
wgRestrictionMove":[],
wgFlaggedRevsParams":{"tags":{"accuracy":{"levels":3,"quality":3,"pristine":4}}
,"wgStableRevisionId":18105385,"wgMediaViewerOnClick":!0,"wgMediaViewerEnabledB
yDefault":!0,"wgPopupsReferencePreviews":!1,"wgPopupsConflictsWithNavPopupGadget
```

user@AA3209-Ubuntu:~/funet\$ curl https://fi.wikipedia.org/wiki/Funet -o funetpag

```
limit":40}, "expensivefunctioncount":{"value":0, "limit":500}, "unstrip-depth":{"va
lue":0, "limit":20}, "unstrip-size":{"value":3367, "limit":5000000}, "entityaccessco
unt":{"value":0,"limit":400},"timingprofile":["100.00% 145.800
                    1 Malline:Viitteet"," 69.27% 101.001
                                                             5 Malline:Verkk
82.02% 119.579
oviite"," 28.41%
                  41.417
                           9 Malline:Kotoista päiväys"," 25.27% 36.837
9 Malline:Onko päiväys ISO 8601 -muodossa?"," 16.29% 23.749
                                                                   5 Malline:I
ETF-kielisymboli"," 5.78%
                           8.422
                                    1 Malline:Lehtiviite"," 4.66%
     1 Malline:Tynkä/Tietotekniikka"," 3.16% 4.614 1 Malline:K-en","
                 1 Malline:Tynkämalline"]}, "scribunto": { "limitreport-timeusag
2.58%
        3.768
e":{"value":"0.045","limit":"10.000"},"limitreport-memusage":{"value":2314789,"1
imit":52428800}},"cachereport":{"origin":"mwl326","timestamp":"20210210123327","
ttl":2592000,"transientcontent":false}}});});</script>
<script type="application/ld+json">{"@context":"https:\/\/schema.org","@type":"A
rticle","name":"Funet","url":"https:\/\/fi.wikipedia.org\/wiki\/Funet","sameAs":
"http:\/\/www.wikidata.org\/entity\/Q4357084","mainEntity":"http:\/\/www.wikidat
a.org\/entity\/Q4357084","author":{"@type":"Organization","name":"Contributors t
o Wikimedia projects"},"publisher":{"@type":"Organization","name":"Wikimedia Fou
ndation, Inc.","logo":{"@type":"ImageObject","url":"https:\/\/www.wikimedia.org\
static\/images\/wmf-hor-googpub.png"}},"datePublished":"2007-04-24T11:58:59Z","
dateModified":"2019-04-25T04:50:14Z","image":"https:\/\/upload.wikimedia.org\/wi
kipedia\/commons\/a\/a3\/FUNET backbone.svg"}</script>
<script>(RLQ=window.RLQ||[]).push(function(){mw.config.set({"wgBackendResponseTi
me":210,"wgHostname":"mwl352"});});</script>
</body></html>user@AA3209-Ubuntu:~/funet$
```

В

```
Show version number and quit
 -V, --version
    --write-out <format> Use output FORMAT after completion
                   Store metadata in extended file attributes
user@AA3209-Ubuntu:~$ curl ftp://speedtest.tele2.net/?
                                  1073741824000 Feb 19 2016 1000GB.zip
-rw-r--r--
            1 0
                                  107374182400 Feb 19 2016 100GB.zip
             1 0
-rw-r--r
rw-r--r--
                                    102400 Feb 19 2016 100KB.zip
             1 0
                                  104857600 Feb 19 2016 100MB.zip
             1 0
-rw-r--r--
                                  10737418240 Feb 19 2016 10GB.zip
             1 0
-rw-r--r--
             1 0
                                  10485760 Feb 19 2016 10MB.zip
-rw-r--r--
                                  1073741824 Feb 19 2016 1GB.zip
             1 0
-rw-r--r--
                                      1024 Feb 19 2016 1KB.zip
             1 0
-rw-r--r--
                                   1048576 Feb 19 2016 1MB.zip
             1 0
-rw-r--r--
                                  209715200 Feb 19 2016 200MB.zip
-rw-r--r--
             1 0
                                  20971520 Feb 19 2016 20MB.zip
-rw-r--r--
             1 0
                                   2097152 Feb 19 2016 2MB.zip
-rw-r--r--
             1 0
             1 0
                                   3145728 Feb 19 2016 3MB.zip
-rw-r--r--
             1 0
                                  524288000 Feb 19 2016 500MB.zip
-rw-r--r--
                                  53687091200 Jul 24 2014 50GB.zip
             1 0
-rw-r--r--
                                  52428800 Feb 19 2016 50MB.zip
             1 0
-rw-r--r--
                                   524288 Feb 19 2016 512KB.zip
             1 0
-rw-r--r--
                                  5242880 Feb 19 2016 5MB.zip
             1 0
-rw-r--r--
             2 106
                                    81920 Feb 22 01:11 upload
drwxr-xr-x
                         109
user@AA3209-Ubuntu:~$
```