

Operating Systems

Spring Semester 2020

Greg Witt

greg.witt625@gmail.com

Unix Commands from Lecture Two

```
user@Users-Macintosh: /  
→ /Users cd ..  
→ / l  
total 37  
drwxr-xr-x  32 root  wheel   1.0K Feb  7 23:48 .  
drwxr-xr-x  32 root  wheel   1.0K Feb  7 23:48 ..  
-rw-rw-r--   1 root  admin   10K Feb  3 13:07 .DS_Store  
d--x--x--x   9 root  wheel   288B Feb 10 08:29 .DocumentRevi  
sions-V100  
dr-xr-xr-t@   2 root  wheel    64B Jun 23  2017 .HFS+ Private  
Directory Data?  
drwxr-xr-x@   2 root  wheel    64B Feb  6 15:06 .PKInstallSan  
dboxManager-SystemSoftware  
drwx-----   5 root  wheel   160B Jun 23  2017 .Spotlight-V1  
00  
drwxrwxrwt@   3 root  wheel    96B Jan 23  2019 .TemporaryIt  
ms  
d-wx-wx-wt    2 root  wheel    64B Feb 21  2019 .Trashes  
-rw-r--r--@   1 user  staff    0B Mar  7  2019 .com.apple.ti  
memachine.donotpresent  
-----   1 root  admin    0B Feb 25  2019 .file  
drwx-----   3 root  wheel    96B Feb 10 08:29 .fsevents  
drwxr-xr-x    2 root  wheel    64B May 20  2019 .vol  
drwxrwxr-x+  91 root  admin   2.8K Feb 10 08:31 Applications  
drwxr-xr-x+  67 root  wheel   2.1K Jan 15 00:32 Library  
drwxr-xr-x    2 root  wheel    64B May 20  2019 Network  
drwxr-xr-x@   5 root  wheel   160B May  4  2019 System  
drwxr-xr-x    5 root  admin   160B May 20  2019 Users  
drwxr-xr-x@   3 root  wheel    96B Feb 10 08:34 Volumes  
drwxr-xr-x@  37 root  wheel   1.2K May  4  2019 bin  
drwxrwxr-t    2 root  admin    64B May 20  2019 cores  
dr-xr-xr-x    3 root  wheel   4.2K Feb 10 08:27 dev  
lrwxr-xr-x@   1 root  wheel    11B May 20  2019 etc -> privat  
e/etc  
dr-xr-xr-x    2 root  wheel    1B Feb 10 08:36 home  
-rw-r--r--   1 root  wheel   313B Feb 24  2019 installer.fai  
lurerequests  
dr-xr-xr-x    2 root  wheel    1B Feb 10 08:36 net  
drwxr-xr-x    3 root  wheel    96B Aug 13 23:07 opt  
drwxr-xr-x    6 root  wheel   192B May 20  2019 private  
drwxr-xr-x@  64 root  wheel   2.0K May 20  2019 sbin  
lrwxr-xr-x@   1 root  wheel    11B May 20  2019 tmp -> privat  
e/tmp  
drwxr-xr-x@   9 root  wheel   288B May  4  2019 usr  
lrwxr-xr-x@   1 root  wheel    11B May 20  2019 var -> privat  
e/var  
→ /
```

ls -G -al | more

```
total 1168
drwxr-xr-x 118 root wheel 3776 Feb  6 15:06 .
drwxr-xr-x  6 root wheel  192 May 20 2019 ..
-rw-r--r--  1 root wheel  515 Feb 20 2017 afpovertcp.
cfg
-rw-r--r--  1 root wheel  515 Feb 25 2019 afpovertcp.
cfg~orig
lrwxr-xr-x  1 root wheel    15 May 20 2019 aliases ->
postfix/aliases
-rw-r-----  1 root wheel 16384 Feb 22 2019 aliases.db
drwxr-xr-x 11 root wheel  352 May 20 2019 apache2
drwxr-xr-x 27 root wheel  864 May 20 2019 asl
-rw-r--r--  1 root wheel 1051 Feb 22 2019 asl.conf
-rw-r--r--  1 root wheel  149 Apr 26 2019 auto_home
-rw-r--r--  1 root wheel  194 Apr 14 2017 auto_master
-rw-r--r--  1 root wheel  194 Apr 26 2019 auto_master
~orig
-rw-r--r--  1 root wheel 1935 Apr 26 2019 autofs.conf
-r--r--r--  1 root wheel  265 Feb 22 2019 bashrc
-rw-r--r--  1 root wheel 9192 Apr 15 2019 bashrc_Appl
e_Terminal
-r--r--r--  1 root wheel  265 Jan 23 2017 bashrc~prev
ious
-rw-r--r--  1 root wheel   82 Mar 27 2019 com.apple.s
creensharing.agent.launchd
-rw-r--r--  1 root wheel  189 Oct 14 2016 csh.cshrc
-rw-r--r--  1 root wheel  189 Feb 22 2019 csh.cshrc~o
rig
-rw-r--r--  1 root wheel  121 Oct 14 2016 csh.login
-rw-r--r--  1 root wheel  121 Feb 22 2019 csh.login~o
rig
-rw-r--r--  1 root wheel   39 Oct 14 2016 csh.logout
-rw-r--r--  1 root wheel   39 Feb 22 2019 csh.logout~
orig
drwxr-xr-x 15 root _lp  480 Jan 22 12:45 cups
drwxr-xr-x  3 root wheel   96 Feb 22 2019 defaults
-rw-r--r--  1 root wheel 2378 Mar 19 2019 dnsextd.con
f
drwxr-xr-x  4 root wheel  128 Feb 23 2019 emond.d
-rw-r--r--  1 root wheel    0 Feb 20 2017 find.codes
-rw-r--r--  1 root wheel    0 Feb 25 2019 find.codes~
orig
-rw-r--r--  1 root wheel  150 Feb 25 2019 fstab.hd
-rw-r--r--  1 root wheel  150 Feb 20 2017 fstab.hd~pr
evious
```



```
user@Users-Macintosh: /etc

/bin/false
_launchservicesd:*:239:239:_launchservicesd:/var/empty:/usr/
bin/false
_iconservices:*:240:240:IconServices:/var/empty:/usr/bin/fal
se
_distnote:*:241:241:DistNote:/var/empty:/usr/bin/false
_nsurlsessiond:*:242:242:NSURLSession Daemon:/var/db/nsurlse
ssiond:/usr/bin/false
_nsurlstoraged:*:243:243:NSURLStorage Daemon:/var/db/nsurlst
oraged:/usr/bin/false
_displaypolicyd:*:244:244:Display Policy Daemon:/var/empty:/
usr/bin/false
_astris:*:245:245:Astris Services:/var/db/astris:/usr/bin/fa
lse
_krbfast:*:246:-2:Kerberos FAST Account:/var/empty:/usr/bin/
false
_gamecontrollerd:*:247:247:Game Controller Daemon:/var/empty
:/usr/bin/false
_mbsetupuser:*:248:248:Setup User:/var/setup:/bin/bash
_ondemand:*:249:249:On Demand Resource Daemon:/var/db/ondema
nd:/usr/bin/false
_xserverdocs:*:251:251:macOS Server Documents Service:/var/e
mpty:/usr/bin/false
_wwwproxy:*:252:252:WWW Proxy:/var/empty:/usr/bin/false
_mobileasset:*:253:253:MobileAsset User:/var/ma:/usr/bin/fal
se
_findmydevice:*:254:254:Find My Device Daemon:/var/db/findmy
device:/usr/bin/false
_datadetectors:*:257:257:DataDetectors:/var/db/datadetectors
:/usr/bin/false
_captiveagent:*:258:258:captiveagent:/var/empty:/usr/bin/fal
se
_ctkd:*:259:259:ctkd Account:/var/empty:/usr/bin/false
_applepay:*:260:260:applepay Account:/var/db/applepay:/usr/b
in/false
_hidd:*:261:261:HID Service User:/var/db/hidd:/usr/bin/false
_cmiodalassistants:*:262:262:CoreMedia IO Assistants User:/v
ar/db/cmiodalassistants:/usr/bin/false
_analyticssd:*:263:263:Analytics Daemon:/var/db/analyticssd:/u
sr/bin/false
_fpsd:*:265:265:FPS Daemon:/var/db/fpsd:/usr/bin/false
_timed:*:266:266:Time Sync Daemon:/var/db/timed:/usr/bin/fal
se
_reportmemoryexception:*:269:269:ReportMemoryException:/var/
db/reportmemoryexception:/usr/bin/false
→ /etc
```

```
user@Users-Macintosh: /dev
→ /dev ls -la
.
..
HAX
afsc_type5
auditpipe
auditsessions
autofs
autofs_control
autofs_homedirmounter
autofs_notrigger
autofs_nowait
bpf0
bpf1
bpf2
bpf3
console
cu.Bluetooth-Incoming-Port
disk0
disk0s1
disk0s2
disk1
disk1s1
disk1s2
disk1s3
disk1s4
dtrace
dtracehelper
fbt
fd
fsevents
io8log
io8logmt
io8logtemp
klog
lockstat
machtrace
nsmb0
null
oslog
ptyw5
ptyw6
ptyw7
ptyw8
ptyw9
ptywa
ptywb
ptywc
ptywd
ptywe
ptywf
random
rdisk0
rdisk0s1
rdisk0s2
rdisk1
rdisk1s1
rdisk1s2
rdisk1s3
rdisk1s4
sdt
stderr
stdin
stdout
systrace
tty
tty.Bluetooth-Incoming-Port
tty0
tty1
tty2
tty3
tty4
tty5
tty6
tty7
tty8
tty9
ttya
ttyb
```

I did all of the Commands GW

