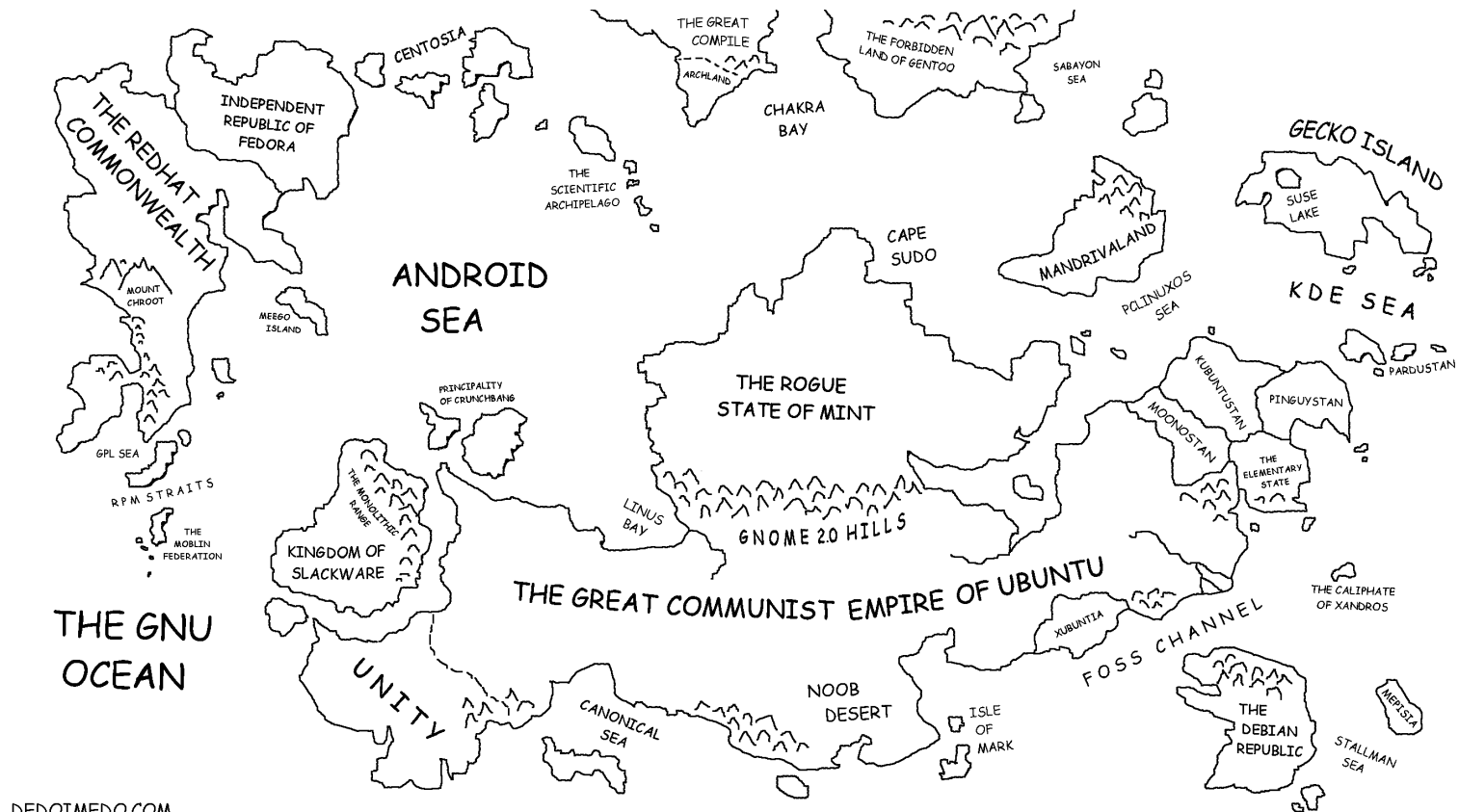


# Linux – Root to World



DEDOIMEDO.COM

# Where is linux working?

- Smart-phones
- Tablets
- Drones
- Consoles (games)
- TVs
- Devices
  - Security
  - Monitoring homes
  - toys

# Which languages can I code on linux?

- C
- C++
- Shell Script
- Python
- PHP – CSS - HTML5
- Java
- Java Script
- R
- MatLab

# Which databases linux supports?

- MySql
- Oracle
- PostgreSQL
- MariaDB
- NoSQL – Mongo, Scalaris, Cassandra

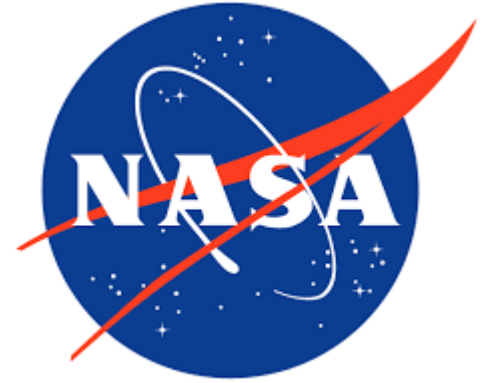
# Main Services on server

- WebServer
  - Apache
  - nginx
- Mail Server
  - Qmail
  - Postfix
- Domain Server
  - Samba
- DNS
  - Bind
- FTP Server
  - ProFTPD
- Firewall
  - IPTables
- Proxy
  - Squid
  - nginx

# Why big companies are using linux?

- Reliability
- Scalability
- Free – could be changed
- It's simple develop new tools to work together

# Who're using linux?



DigitalOcean



# Let's start

```
Processes: 123 total, 3 running, 120 sleeping, 558 threads
Load Avg: 1.75, 1.53, 1.49 CPU usage: 25.05% user, 22.23% sys, 55.62% idle
SharedLibs: 3908K resident, 5760K data, 0B linkedit.
MemRegions: 44714 total, 3368M resident, 77M private, 1118M shared.
PhysMem: 921M wired, 5289M active, 758M inactive, 6949M used, 1243M free.
VM: 238C vsize, 1034M framework vsize, 4797528(2) pageins, 0(0) pageouts.
Networks: packets: 581628/454M in, 462610/68M out.
Disks: 229509/3409M read, 418661/7924M written.

08:36:09

PID  COMMAND      %CPU  TIME    #TH  #WO  #POR  #MREG  RPRVT  RSHRD  RSIZE
1477  top           12.9  00:01.38 1/1  0    24    33    1428K+ 244K  1998K+
1466- cvmsComp_i38 0.0   00:00.04 1    0    18    36    1116K  9528K  5760K
1463  bash         0.0   00:00.00 1    0    17    25    296K   856K   968K
1462  login        0.0   00:00.01 1    0    22    62    616K   3200K  2448K
1459  cvmsComp_x86 0.0   00:00.03 1    0    18    34    1592K  9528K  6220K
1456- Cathode     80.77 00:10.88 5    2    127   267   28M+   92M+   65M+
1454  launchd      0.0   00:00.00 2    0    37    46    236K   428K   660K
1452  quicklookd   0.0   00:00.48 6    2    88-   155   21M-   17M    58M-
1451  ocspd        0.0   00:00.01 2    0    42    40    736K   3192K  2152K
1450  mdworker     0.0   00:00.06 3    1    48    67    1636K  16M    4284K
1294- Google Chrom 0.3   00:42.07 4    1    93    778   48M    89M    80M
1267- DashboardCli 0.0   00:01.27 5    2    128   228   14M    26M    21M
1266  DashboardCli 0.0   00:02.39 5    2    129   330   40M    43M    97M
1192- Google Chrom 8.8   00:10.10 4    1    93    348   19M-   87M    43M-
1014  dd           0.0   00:00.00 1    0    14    23    180K   240K   436K
```



# Q&A