

# #1 Fundamentals of Data Management

2019HS2 | 101624964 | Jimmy Trac

## Credit Task 1.2.2

The command used is `egrep '"[^"]*Linux.*" [^"]*"' access.log`, though `egrep '"[^"]*Linux[^"]*"' access.log` should work as well

Edit: Reposted showing the command line

```
neko@neko: /media/sf_shared/Week 1
neko@neko: /media/sf_shared/Week 1$ egrep '"[^"]*Linux.*" [^"]*"' access.log
54.164.111.86 - - [06/Jun/2015:21:37:35 -0700] "GET / HTTP/1.1" 200 5846 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:31.0) Gecko/20100101 Firefox/31.0" "hoonlir.com"
54.172.220.69 - - [06/Jun/2015:21:37:36 -0700] "GET /robots.txt HTTP/1.1" 200 38 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:31.0) Gecko/20100101 Firefox/31.0" "hoonlir.com"
54.165.92.40 - - [06/Jun/2015:21:40:44 -0700] "GET /robots.txt HTTP/1.1" 200 38 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:31.0) Gecko/20100101 Firefox/31.0" "hoonlir.com"
101.226.65.107 - - [07/Jun/2015:04:32:20 -0700] "GET / HTTP/1.1" 200 5846 "-" "Mozilla/5.0 (Linux; U; Android 4.4.2; zh-cn; GT-I9500 Build/KOT49H) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 MQQBrowser/5.0.0-Manager Mobile Safari/537.36" "hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:07 -0700] "GET / HTTP/1.1" 200 1896 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:07 -0700] "GET /styles/layout.css HTTP/1.1" 200 1868 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:08 -0700] "GET /scripts/jquery.cycle.min.js HTTP/1.1" 200 5486 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:08 -0700] "GET /scripts/jquery.slidepanel.setup.js HTTP/1.1" 200 719 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:08 -0700] "GET /styles/navi.css HTTP/1.1" 200 841 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:08 -0700] "GET /styles/featured_slide.css HTTP/1.1" 200 632 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/header_logo.png HTTP/1.1" 200 11038 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/slides_pizza_01.jpg HTTP/1.1" 200 155038 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/background_header.png HTTP/1.1" 200 2916 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
```

```
neko@neko: /media/sf_shared/Week 1
neko@neko: /media/sf_shared/Week 1$ egrep '"[^"]*Linux.*" [^"]*"' access.log
31.184.238.128 - - [08/Jun/2015:17:43:40 -0700] "GET /logs/access.log HTTP/1.1" 200 142638 "http://Version/12.10" "www.hoonlir.com"
100.188.97.29 - - [08/Jun/2015:17:48:57 -0700] "GET /logs/access.log HTTP/1.1" 200 12066 "http://www.hoonlir.com/" "Mozilla/5.0 (Windows NT 6.1; rv:34.0) Gecko/20100101 Firefox/34.0" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:08 -0700] "GET /robots.txt HTTP/1.1" 200 38 "-" "Sogou web spider/4.0(http://www.sogou.com/docs/help/webmasters.htm#07)" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:07 -0700] "GET / HTTP/1.1" 200 1896 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:07 -0700] "GET /styles/layout.css HTTP/1.1" 200 1868 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:08 -0700] "GET /scripts/jquery.cycle.min.js HTTP/1.1" 200 5486 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:08 -0700] "GET /scripts/jquery.slidepanel.setup.js HTTP/1.1" 200 719 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:08 -0700] "GET /styles/navi.css HTTP/1.1" 200 841 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:08 -0700] "GET /styles/featured_slide.css HTTP/1.1" 200 632 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/header_logo.png HTTP/1.1" 200 11038 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/slides_pizza_01.jpg HTTP/1.1" 200 155038 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/background_header.png HTTP/1.1" 200 2916 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/topnav_a.png HTTP/1.1" 200 2848 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:13 -0700] "GET /images/slides_cakeboxptd2014.jpg HTTP/1.1" 200 359530 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:14 -0700] "GET /images/slides_newfactory.gif HTTP/1.1" 200 102183 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:14 -0700] "GET /images/slides.png HTTP/1.1" 200 231 "http://www.hoonlir.com/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/534.34 (KHTML, like Gecko) Qt/4.8.1 Safari/534.34" "www.hoonlir.com"
106.38.241.107 - - [08/Jun/2015:17:55:14 -0700] "GET /images/our_services.png HTTP/1.1" 200 20534 "https://www.google.com/" "Mozilla/5.0 (Linux; Android 4.2.2; ASUS 1000 Build/10.0.0.0.0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/43.0.2357.92 Mobile Safari/537.36" "www.hoonlir.com"
neko@neko: /media/sf_shared/Week 1$ egrep '"[^"]*Linux.*" [^"]*"' access.log
```

Breaking down the command gives us:

- `'` is used to isolate the command since we'll be searching for `"` commands
- `...` ensures that our search must be within quotation (`"`) marks
- `[^"]*` on either side of `Linux` ensures that there is only one pair of quotation marks by allowing *everything but* `"`, hence, we only have one pair of quotation marks
- `Linux`, as we are searching for Linux. the `)` is unneeded.