Консоль

Задание 1

От разработчиков поступила задача: нужно выяснить, какие запросы шли с IP-адреса. IP-адрес состоит из четырёх чисел, они разделены точками. Тебе нужны адреса, которые начинаются с «233.201.».
Логи лежат на удалённом сервере по адресу logs/2019/12. День, когда случилась ошибка, неизвестен.
Твоя задача — узнать, какие запросы были отправлены.

Команда или последовательность команд, которой удалось получить нужные логи:

```
grep -R "^233.201" ./logs/2019/12/
```

Логи:

```
233.201.188.154 - - [18/12/2019:21:46:01 +0000] "DELETE /events HTTP/1.1" 403
3971
233.201.182.9 - - [21/12/2019:21:56:20 +0000] "PATCH /users HTTP/1.1" 400 4118
```

Задание 2

В системе обнаружен баг. Он проявлялся 30.12.2019 и 31.12.2019 с 21:30:00 до 21:39:59. При этом появлялись ошибки с номерами 400 и 500. Твоя задача — сохранить в отдельный файл логи, которые были записаны в этот период.
Затем эти логи надо разложить по отдельным файлам: логи с одинаковой ошибкой положи в один файл.

Команды, которые создают директории:

```
mkdir bug1 bug1/events
```

Команда, которой выбираю запросы за указанный период в файл main.txt:

```
grep '2019:21:3' logs/2019/12/apache_2019-12-30.txt
logs/2019/12/apache_2019-12-31.txt > bug1/main.txt
```

Команды, которыми кладу логи в файлы 400.txt и 500.txt из main.txt:

```
grep ' 400 ' bug1/main.txt > bug1/events/400.txt
grep ' 500 ' bug1/main.txt > bug1/events/500.txt
```

400.txt

```
logs/2019/12/apache_2019-12-30.txt:80.57.170.51 - - [30/12/2019:21:35:12
+0000] "DELETE /users HTTP/1.1" 400 3623
logs/2019/12/apache_2019-12-30.txt:204.235.176.118 - -
[30/12/2019:21:35:13 +0000] "POST /users HTTP/1.1" 400 4704
logs/2019/12/apache_2019-12-30.txt:82.95.203.67 - - [30/12/2019:21:35:19
+0000] "DELETE /lists HTTP/1.1" 400 3737
logs/2019/12/apache_2019-12-30.txt:155.242.215.46 - -
[30/12/2019:21:35:38 +0000] "POST /playbooks HTTP/1.1" 400 4450
logs/2019/12/apache_2019-12-30.txt:189.176.85.0 - - [30/12/2019:21:35:39
+0000] "PATCH /alerts HTTP/1.1" 400 2732
logs/2019/12/apache_2019-12-30.txt:13.108.71.71 - - [30/12/2019:21:35:43
+0000] "PATCH /events HTTP/1.1" 400 3410
logs/2019/12/apache_2019-12-30.txt:195.213.133.182 - -
[30/12/2019:21:35:46 +0000] "PUT /customers HTTP/1.1" 400 3085
logs/2019/12/apache_2019-12-30.txt:235.243.133.78 - -
[30/12/2019:21:35:47 +0000] "PATCH /customers HTTP/1.1" 400 3264
logs/2019/12/apache_2019-12-30.txt:192.57.115.49 - -
[30/12/2019:21:35:55 +0000] "POST /parsers HTTP/1.1" 400 2457
logs/2019/12/apache_2019-12-30.txt:71.0.49.244 - - [30/12/2019:21:35:55
+0000] "PUT /collectors HTTP/1.1" 400 2785
logs/2019/12/apache_2019-12-30.txt:224.159.206.126 - -
[30/12/2019:21:36:02 +0000] "DELETE /customers HTTP/1.1" 400 4569
logs/2019/12/apache_2019-12-30.txt:131.35.106.246 - -
[30/12/2019:21:36:04 +0000] "DELETE /lists HTTP/1.1" 400 2578
logs/2019/12/apache_2019-12-30.txt:216.24.42.208 - -
[30/12/2019:21:36:06 +0000] "GET /parsers HTTP/1.1" 400 4597
logs/2019/12/apache_2019-12-30.txt:123.53.150.160 - -
[30/12/2019:21:37:19 +0000] "PATCH /events HTTP/1.1" 400 4379
logs/2019/12/apache_2019-12-30.txt:61.129.127.103 - -
[30/12/2019:21:37:32 +0000] "GET /lists HTTP/1.1" 400 2575
logs/2019/12/apache_2019-12-30.txt:90.216.4.78 - - [30/12/2019:21:37:34
```

+0000] "PATCH /lists HTTP/1.1" 400 3899
logs/2019/12/apache_2019-12-30.txt:204.250.214.208 - -
[30/12/2019:21:37:36 +0000] "PATCH /parsers HTTP/1.1" 400 4742
logs/2019/12/apache_2019-12-30.txt:79.214.240.98 - -
[30/12/2019:21:37:37 +0000] "POST /fieldsets HTTP/1.1" 400 4441
logs/2019/12/apache_2019-12-30.txt:65.47.42.12 - - [30/12/2019:21:37:39
+0000] "PATCH /customers HTTP/1.1" 400 2500
logs/2019/12/apache_2019-12-30.txt:251.118.141.34 - -
[30/12/2019:21:37:41 +0000] "POST /customers HTTP/1.1" 400 3519
logs/2019/12/apache_2019-12-30.txt:205.20.166.196 - -
[30/12/2019:21:37:51 +0000] "POST /users HTTP/1.1" 400 4032
logs/2019/12/apache_2019-12-30.txt:156.217.3.46 - - [30/12/2019:21:37:52
+0000] "PATCH /parsers HTTP/1.1" 400 2020
logs/2019/12/apache_2019-12-30.txt:48.240.198.167 - -
[30/12/2019:21:37:57 +0000] "PATCH /playbooks HTTP/1.1" 400 4100
logs/2019/12/apache_2019-12-30.txt:101.255.159.211 - -
[30/12/2019:21:37:59 +0000] "GET /auth HTTP/1.1" 400 2324
logs/2019/12/apache_2019-12-30.txt:80.76.98.203 - - [30/12/2019:21:38:00
+0000] "POST /playbooks HTTP/1.1" 400 3045
logs/2019/12/apache_2019-12-30.txt:85.64.63.255 - - [30/12/2019:21:38:13
+0000] "PATCH /collectors HTTP/1.1" 400 2291
logs/2019/12/apache_2019-12-30.txt:184.79.247.161 - -
[30/12/2019:21:38:13 +0000] "PUT /alerts HTTP/1.1" 400 3557
logs/2019/12/apache_2019-12-30.txt:93.2.134.22 - - [30/12/2019:21:39:39
+0000] "DELETE /alerts HTTP/1.1" 400 3701
logs/2019/12/apache_2019-12-31.txt:86.34.86.182 - - [31/12/2019:21:35:10
+0000] "POST /auth HTTP/1.1" 400 3626
logs/2019/12/apache_2019-12-31.txt:167.37.16.117 - -
[31/12/2019:21:35:17 +0000] "PATCH /customers HTTP/1.1" 400 3294
logs/2019/12/apache_2019-12-31.txt:199.128.92.19 - -
[31/12/2019:21:35:43 +0000] "PUT /users HTTP/1.1" 400 4180
logs/2019/12/apache_2019-12-31.txt:162.152.99.143 - -
[31/12/2019:21:35:59 +0000] "PUT /users HTTP/1.1" 400 4606
logs/2019/12/apache_2019-12-31.txt:83.115.59.224 - -
[31/12/2019:21:37:26 +0000] "GET /alerts HTTP/1.1" 400 3489
logs/2019/12/apache_2019-12-31.txt:194.10.97.226 - -
[31/12/2019:21:37:31 +0000] "DELETE /lists HTTP/1.1" 400 2447
logs/2019/12/apache_2019-12-31.txt:180.99.214.40 - -
[31/12/2019:21:37:44 +0000] "DELETE /alerts HTTP/1.1" 400 2077
logs/2019/12/apache_2019-12-31.txt:154.152.205.4 - -
[31/12/2019:21:37:50 +0000] "GET /playbooks HTTP/1.1" 400 3324
logs/2019/12/apache_2019-12-31.txt:197.82.125.54 - -
[31/12/2019:21:37:52 +0000] "PUT /fieldsets HTTP/1.1" 400 4365
logs/2019/12/apache_2019-12-31.txt:115.89.87.219 - -
[31/12/2019:21:38:06 +0000] "PUT /playbooks HTTP/1.1" 400 2589
logs/2019/12/apache_2019-12-31.txt:100.77.15.14 - - [31/12/2019:21:38:07

```
+0000] "GET /fieldsets HTTP/1.1" 400 4911
logs/2019/12/apache_2019-12-31.txt:22.33.159.242 - -
[31/12/2019:21:38:07 +0000] "GET /playbooks HTTP/1.1" 400 3955
logs/2019/12/apache_2019-12-31.txt:149.148.229.11 - -
[31/12/2019:21:39:16 +0000] "GET /users HTTP/1.1" 400 2071
logs/2019/12/apache_2019-12-31.txt:236.107.64.192 - -
[31/12/2019:21:39:17 +0000] "PATCH /users HTTP/1.1" 400 2791
logs/2019/12/apache_2019-12-31.txt:24.156.105.39 - -
[31/12/2019:21:39:23 +0000] "GET /lists HTTP/1.1" 400 2902
logs/2019/12/apache_2019-12-31.txt:193.50.164.254 - -
[31/12/2019:21:39:23 +0000] "PUT /playbooks HTTP/1.1" 400 3296
logs/2019/12/apache_2019-12-31.txt:18.123.104.91 - -
[31/12/2019:21:39:52 +0000] "GET /collectors HTTP/1.1" 400 4372
logs/2019/12/apache_2019-12-31.txt:234.218.148.4 - -
[31/12/2019:21:39:54 +0000] "PUT /users HTTP/1.1" 400 2509
```

500.txt.

```
logs/2019/12/apache_2019-12-30.txt:64.250.112.189 - -
[30/12/2019:21:35:13 +0000] "PUT /parsers HTTP/1.1" 500 4639
logs/2019/12/apache_2019-12-30.txt:193.253.101.180 - -
[30/12/2019:21:35:31 +0000] "PATCH /alerts HTTP/1.1" 500 2944
logs/2019/12/apache_2019-12-30.txt:197.106.117.194 - -
[30/12/2019:21:35:31 +0000] "PATCH /parsers HTTP/1.1" 500 3519
logs/2019/12/apache_2019-12-30.txt:247.124.71.67 - -
[30/12/2019:21:35:45 +0000] "PUT /alerts HTTP/1.1" 500 2746
logs/2019/12/apache_2019-12-30.txt:62.88.204.119 - -
[30/12/2019:21:35:51 +0000] "PUT /auth HTTP/1.1" 500 2666
logs/2019/12/apache_2019-12-30.txt:125.156.142.26 - -
[30/12/2019:21:36:01 +0000] "PATCH /events HTTP/1.1" 500 3460
logs/2019/12/apache_2019-12-30.txt:144.170.212.70 - -
[30/12/2019:21:36:04 +0000] "DELETE /parsers HTTP/1.1" 500 2599
logs/2019/12/apache_2019-12-30.txt:59.39.200.252 - -
[30/12/2019:21:36:05 +0000] "GET /alerts HTTP/1.1" 500 2650
logs/2019/12/apache_2019-12-30.txt:150.136.200.100 - -
[30/12/2019:21:37:24 +0000] "POST /lists HTTP/1.1" 500 2684
logs/2019/12/apache_2019-12-30.txt:84.81.25.45 - - [30/12/2019:21:37:25
+0000] "POST /auth HTTP/1.1" 500 2052
logs/2019/12/apache_2019-12-30.txt:30.222.160.141 - -
[30/12/2019:21:37:30 +0000] "PATCH /parsers HTTP/1.1" 500 2017
logs/2019/12/apache_2019-12-30.txt:117.87.158.36 - -
[30/12/2019:21:37:34 +0000] "POST /fieldsets HTTP/1.1" 500 4056
logs/2019/12/apache_2019-12-30.txt:212.153.128.212 - -
```

```
[30/12/2019:21:37:42 +0000] "PUT /fieldsets HTTP/1.1" 500 3259
logs/2019/12/apache_2019-12-30.txt:58.188.83.217 - -
[30/12/2019:21:37:46 +0000] "POST /playbooks HTTP/1.1" 500 3947
logs/2019/12/apache_2019-12-30.txt:193.123.131.146 - -
[30/12/2019:21:37:47 +0000] "PUT /lists HTTP/1.1" 500 3902
logs/2019/12/apache_2019-12-30.txt:182.7.179.91 - - [30/12/2019:21:37:48
+0000] "GET /users HTTP/1.1" 500 2950
logs/2019/12/apache_2019-12-30.txt:10.25.168.164 - -
[30/12/2019:21:38:05 +0000] "PATCH /playbooks HTTP/1.1" 500 3858
logs/2019/12/apache_2019-12-30.txt:215.201.210.173 - -
[30/12/2019:21:38:11 +0000] "PATCH /customers HTTP/1.1" 500 3277
logs/2019/12/apache_2019-12-30.txt:179.241.103.167 - -
[30/12/2019:21:39:23 +0000] "POST /lists HTTP/1.1" 500 3669
logs/2019/12/apache_2019-12-30.txt:147.188.170.252 - -
[30/12/2019:21:39:33 +0000] "POST /fieldsets HTTP/1.1" 500 3313
logs/2019/12/apache_2019-12-30.txt:1.249.123.189 - -
[30/12/2019:21:39:36 +0000] "PATCH /alerts HTTP/1.1" 500 4734
logs/2019/12/apache_2019-12-30.txt:124.114.135.105 - -
[30/12/2019:21:39:41 +0000] "PATCH /customers HTTP/1.1" 500 3348
logs/2019/12/apache_2019-12-30.txt:35.215.100.202 - -
[30/12/2019:21:39:43 +0000] "PUT /alerts HTTP/1.1" 500 4345
logs/2019/12/apache_2019-12-30.txt:86.222.23.128 - -
[30/12/2019:21:39:44 +0000] "PATCH /alerts HTTP/1.1" 500 2230
logs/2019/12/apache_2019-12-30.txt:20.161.75.95 - - [30/12/2019:21:39:48
+0000] "DELETE /users HTTP/1.1" 500 2412
logs/2019/12/apache_2019-12-30.txt:196.18.151.117 - -
[30/12/2019:21:39:55 +0000] "PUT /events HTTP/1.1" 500 4439
logs/2019/12/apache_2019-12-30.txt:77.101.138.151 - -
[30/12/2019:21:39:57 +0000] "PUT /lists HTTP/1.1" 500 2194
logs/2019/12/apache_2019-12-31.txt:208.205.133.127 - -
[31/12/2019:21:35:17 +0000] "DELETE /alerts HTTP/1.1" 500 4561
logs/2019/12/apache_2019-12-31.txt:20.145.255.91 - -
[31/12/2019:21:35:30 +0000] "GET /parsers HTTP/1.1" 500 3051
logs/2019/12/apache_2019-12-31.txt:91.66.134.13 - - [31/12/2019:21:35:53
+0000] "POST /lists HTTP/1.1" 500 3319
logs/2019/12/apache_2019-12-31.txt:31.88.211.206 - -
[31/12/2019:21:35:57 +0000] "DELETE /events HTTP/1.1" 500 2325
logs/2019/12/apache_2019-12-31.txt:171.37.114.114 - -
[31/12/2019:21:37:39 +0000] "DELETE /fieldsets HTTP/1.1" 500 3253
logs/2019/12/apache_2019-12-31.txt:223.157.242.167 - -
[31/12/2019:21:37:59 +0000] "POST /users HTTP/1.1" 500 2283
logs/2019/12/apache_2019-12-31.txt:98.181.102.34 - -
[31/12/2019:21:38:06 +0000] "PATCH /fieldsets HTTP/1.1" 500 4672
logs/2019/12/apache_2019-12-31.txt:254.74.22.79 - - [31/12/2019:21:38:06
+0000] "PUT /lists HTTP/1.1" 500 2259
logs/2019/12/apache_2019-12-31.txt:103.46.238.3 - - [31/12/2019:21:38:09
```

```
+0000] "PUT /lists HTTP/1.1" 500 3992
logs/2019/12/apache_2019-12-31.txt:41.62.205.107 - -
[31/12/2019:21:39:20 +0000] "PATCH /alerts HTTP/1.1" 500 3631
logs/2019/12/apache_2019-12-31.txt:22.53.105.197 - -
[31/12/2019:21:39:31 +0000] "DELETE /collectors HTTP/1.1" 500 4202
logs/2019/12/apache_2019-12-31.txt:178.22.133.42 - -
[31/12/2019:21:39:43 +0000] "PUT /alerts HTTP/1.1" 500 4648
logs/2019/12/apache_2019-12-31.txt:102.247.13.50 - -
[31/12/2019:21:39:55 +0000] "PATCH /auth HTTP/1.1" 500 3736
```