

- Το παρακάτω Regular Expression “πιάνει” και IPv6 και IPv4 στην αρχή της κάθε γραμμής:

```
^([\d.]+|[\d:]+) (\S+) (\S+) (\S+) (\S+) (\S+) ([\d]+) [a-zA-Z0-9_]* (\S+) [-]?[ ]?[(\w:/+ \s{+} \d{4})] \"(.+?)\" (\d{3}) (\S+) ([\d]+) (\S+) \"(.+?)\" \"(.+?)\"
```

- Σαν παράδειγμα, στο παρακάτω logfile συνυπάρχουν και **IPv6** και **IPv4**:

```
0:0:0:0:0:0:1 192.168.1.65 1478 1478 0:0:0:0:0:0:1 - GET 8080 - [03/May/2016:21:52:26 +0300]
"GET /CRUDProject/StudentController.do HTTP/1.1" 500 /CRUDProject/StudentController.do 2
1CC3B2E19F3663CB58F0C2E6F30071DE "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0)
Gecko/20100101 Firefox/45.0" "-"
0:0:0:0:0:0:1 192.168.1.65 1478 1478 0:0:0:0:0:0:1 - GET 8080 - [03/May/2016:21:52:31 +0300]
"GET /CRUDProject/StudentController.do HTTP/1.1" 500 /CRUDProject/StudentController.do 3
1CC3B2E19F3663CB58F0C2E6F30071DE "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0)
Gecko/20100101 Firefox/45.0" "-"
0:0:0:0:0:0:1 192.168.1.65 1478 1478 0:0:0:0:0:0:1 - GET 8080 - [03/May/2016:21:52:35 +0300]
"GET /CRUDProject/StudentController.do HTTP/1.1" 500 /CRUDProject/StudentController.do 595
1CC3B2E19F3663CB58F0C2E6F30071DE "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0)
Gecko/20100101 Firefox/45.0" "-"
0:0:0:0:0:0:1 192.168.1.65 - 0 0:0:0:0:0:0:1 - GET 8080 - [03/May/2016:21:55:04 +0300] "GET
/CRUDProject HTTP/1.1" 302 /CRUDProject 0 1CC3B2E19F3663CB58F0C2E6F30071DE
"Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0" "-"
0:0:0:0:0:0:1 192.168.1.65 1125 1125 0:0:0:0:0:0:1 - GET 8080 - [03/May/2016:21:55:04 +0300]
"GET /CRUDProject/ HTTP/1.1" 200 /CRUDProject/ 180 1CC3B2E19F3663CB58F0C2E6F30071DE
"Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0" "-"
0:0:0:0:0:0:1 192.168.1.65 1039 1039 0:0:0:0:0:0:1 - GET 8080 ?action=edit&studentId=14 -
[03/May/2016:21:55:07 +0300] "GET /CRUDProject/StudentController.do?action=edit&studentId=14
HTTP/1.1" 200 /CRUDProject/StudentController.do 48 1CC3B2E19F3663CB58F0C2E6F30071DE
"Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0"
"http://localhost:8080/CRUDProject/"
0:0:0:0:0:0:1 192.168.1.65 1125 1125 0:0:0:0:0:0:1 - POST 8080 - [03/May/2016:21:55:09 +0300]
"POST /CRUDProject/StudentController.do HTTP/1.1" 200 /CRUDProject/StudentController.do 19
1CC3B2E19F3663CB58F0C2E6F30071DE "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0)
Gecko/20100101 Firefox/45.0" "http://localhost:8080/CRUDProject/StudentController.do?
action=edit&studentId=14"
0:0:0:0:0:0:1 192.168.1.65 838 838 0:0:0:0:0:0:1 - GET 8080 ?action=delete&studentId=15 -
[03/May/2016:21:55:11 +0300] "GET /CRUDProject/StudentController.do?
action=delete&studentId=15 HTTP/1.1" 200 /CRUDProject/StudentController.do 9
1CC3B2E19F3663CB58F0C2E6F30071DE "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0)
Gecko/20100101 Firefox/45.0" "http://localhost:8080/CRUDProject/StudentController.do"
127.0.0.1 192.168.1.65 838 838 127.0.0.1 - GET 8080 ?action=delete&studentId=15 -
[03/May/2016:21:55:29 +0300] "GET /CRUDProject/StudentController.do?
action=delete&studentId=15 HTTP/1.1" 200 /CRUDProject/StudentController.do 9
F40094D64921ABF3C07E8FDF6C006CFE "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0)
Gecko/20100101 Firefox/45.0" "-"
127.0.0.1 192.168.1.65 838 838 127.0.0.1 - GET 8080 - [03/May/2016:21:55:41 +0300] "GET
/CRUDProject/ HTTP/1.1" 200 /CRUDProject/ 14 F40094D64921ABF3C07E8FDF6C006CFE
"Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0" "-"
```

127.0.0.1 192.168.1.65 838 838 127.0.0.1 - GET 8080 - [03/May/2016:21:55:45 +0300] "GET /CRUDProject/ HTTP/1.1" 200 /CRUDProject/ 10 F40094D64921ABF3C07E8FDF6C006CFE "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0" "-"

127.0.0.1 192.168.1.65 1022 1022 127.0.0.1 - GET 8080 ?action=insert - [03/May/2016:23:54:56 +0300] "GET /CRUDProject/StudentController.do?action=insert HTTP/1.1" 200 /CRUDProject/StudentController.do 37 22D3B2DA991AA8E19DFFFA8E0A0E4853 "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0" "http://127.0.0.1:8080/CRUDProject/"

127.0.0.1 192.168.1.65 1141 1141 127.0.0.1 - POST 8080 - [03/May/2016:23:55:10 +0300] "POST /CRUDProject/StudentController.do HTTP/1.1" 200 /CRUDProject/StudentController.do 30 22D3B2DA991AA8E19DFFFA8E0A0E4853 "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0" "http://127.0.0.1:8080/CRUDProject/StudentController.do?action=insert"

► Η τελευταία γραμμή αναλύεται έτσι:

127.0.0.1 192.168.1.65 1141 1141 127.0.0.1 - POST 8080 - [03/May/2016:23:55:10 +0300] "POST /CRUDProject/StudentController.do HTTP/1.1" 200 /CRUDProject/StudentController.do 30 22D3B2DA991AA8E19DFFFA8E0A0E4853 "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0" "http://127.0.0.1:8080/CRUDProject/StudentController.do?action=insert"

|           |   |
|-----------|---|
| Group 1:  | 127.0.0.1   |
| Group 2:  | 192.168.1.65  |
| Group 3:  | 1141  |
| Group 4:  | 1141  |
| Group 5:  | 127.0.0.1   |
| Group 6:  | -   |
| Group 7:  | POST  |
| Group 8:  | 8080  |
| Group 9:  | -   |
| Group 10: | 03/May/2016:23:55:10 +0300  |
| Group 11: | POST /CRUDProject/StudentController.do HTTP/1.1                           |
| Group 12: | 200   |
| Group 13: | /CRUDProject/StudentController.do   |
| Group 14: | 30  |
| Group 15: | 22D3B2DA991AA8E19DFFFA8E0A0E4853  |
| Group 16: | Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0 |
| Group 17: | http://127.0.0.1:8080/CRUDProject/StudentController.do?action=insert      |

► Η πρώτη γραμμή αναλύεται έτσι:

0:0:0:0:0:0:1 192.168.1.65 1478 1478 0:0:0:0:0:0:1 - GET 8080 - [03/May/2016:21:51:56 +0300]  
"GET /CRUDProject/StudentController.do HTTP/1.1" 500 /CRUDProject/StudentController.do 1729  
1CC3B2E19F3663CB58F0C2E6F30071DE "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0)  
Gecko/20100101 Firefox/45.0" "-"

|           |   |
|-----------|---|
| Group 1:  | 0:0:0:0:0:0:1   |
| Group 2:  | 192.168.1.65  |
| Group 3:  | 1478  |
| Group 4:  | 1478  |
| Group 5:  | 0:0:0:0:0:0:1   |
| Group 6:  | -   |
| Group 7:  | GET   |
| Group 8:  | 8080  |
| Group 9:  | -   |
| Group 10: | 03/May/2016:21:51:56 +0300  |
| Group 11: | GET /CRUDProject/StudentController.do HTTP/1.1                            |
| Group 12: | 500   |
| Group 13: | /CRUDProject/StudentController.do   |
| Group 14: | 1729  |
| Group 15: | 1CC3B2E19F3663CB58F0C2E6F30071DE  |
| Group 16: | Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0 |
| Group 17: | -   |