

Systemy webowe

SQUID - ACL

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1 Wprowadzenie

Docker...

2 Pliki ACL

2.1 Użytkownicy - adresy MAC

Listing 1: ACL - users/boss.acl

```
1 08:00:27:84:24:BF
2 08:00:27:81:08:73
```

Listing 2: ACL - users/managers.acl

```
1 08:00:27:E7:D5:37
2 08:00:27:82:59:C5
3 08:00:27:C3:BE:B8
```

Listing 3: ACL - users/admin.acl

```
1 08:00:27:EB:D7:94
```

2.2 Podsieci

Listing 4: ACL - nets/devs_designers_net.acl

```
1 192.168.2.0/24
```

Listing 5: ACL - nets/office_workers_net.acl

```
1 192.168.3.0/24
```

2.3 Użytkownicy - konta użytkowników

Listing 6: ACL - users/developers.acl

```
1 dev1
2 dev2
3 dev3
4 dev4
5 dev5
6 dev6
```

Listing 7: ACL - users/designers.acl

```
1 proj1
2 proj2
3 proj3
```

2.4 Strony internetowe

Listing 8: ACL - sites/entertainment.acl

```
1 youtube
2 spotify
3 netflix
4 reddit
5 tumblr
6 demotywatory
7 kwejk
8 joemonster
9 wykop
10 wrzuta
11 soundcloud
12 facebook
13 twitter
14 instagram
15 pinterest
16 9gag
17 tinder
18 snapchat
19 porn
20 xxx
21 redtube
22 kink
23 chaturbate
```

Listing 9: ACL - sites/news.acl

```
1 onet
2 wp
3 interia
4 eska
5 wyborcza
```

Listing 10: ACL - sites/windows_updates.acl

```
1 update.microsoft.com
```

2.5 Rozszerzenia plików

Listing 11: ACL - files/apps.acl

```

1 \.ACTION$
2 \.APK$
3 \.APP$
4 \.BAT$
5 \.BIN$
6 \.CMD$
7 \.COM$
8 \.COMMAND$
9 \.CPL$
10 \.CSH$
11 \.EXE$
12 \.GADGET$
13 \.INF1$
14 \.INS$
15 \.INX$
16 \.IPA$
17 \.ISU$
18 \.JOB$
19 \.JSE$
20 \.KSH$
21 \.LNK$
22 \.MSC$
23 \.MSI$
24 \.MSP$
25 \.MST$
26 \.OSX$
27 \.OUT$
28 \.PAF$
29 \.PIF$
30 \.PRG$
31 \.PS1$
32 \.REG$
33 \.RGS$
34 \.RUN$
35 \.SCR$
36 \.SCT$
37 \.SHB$
38 \.SHS$
39 \.U3P$
40 \.VB$
41 \.VBE$
42 \.VBS$
43 \.VBSCRIPT$
44 \.WORKFLOW$
45 \.WS$
46 \.WSF$
47 \.WSH$
48 \.torrent$

```

Listing 12: ACL - files/media.acl

```

1 \.3gp$
2 \.3g2$
3 \.asf$
4 \.amv$

```

5	\\.avi\$
6	\\.drc\$
7	\\.flv\$
8	\\.flv\$
9	\\.f4v\$
10	\\.f4p\$
11	\\.f4a\$
12	\\.f4b\$
13	\\.flv\$
14	\\.gif\$
15	\\.m4v\$
16	\\.mxf\$
17	\\.mkv\$
18	\\.MTS\$
19	\\.M2TS\$
20	\\.TS\$
21	\\.mpg\$
22	\\.mp2\$
23	\\.mpeg\$
24	\\.mpe\$
25	\\.mpv\$
26	\\.mpg\$
27	\\.mpeg\$
28	\\.m2v\$
29	\\.mp4\$
30	\\.m4v\$
31	\\.mng\$
32	\\.nsv\$
33	\\.ogv\$
34	\\.ogg\$
35	\\.mov\$
36	\\.qt\$
37	\\.yuv\$
38	\\.rm\$
39	\\.rmvb\$
40	\\.roq\$
41	\\.svi\$
42	\\.gifv\$
43	\\.vob\$
44	\\.webm\$
45	\\.wmv\$
46	\\.3gp\$
47	\\.aa\$
48	\\.aac\$
49	\\.aax\$
50	\\.act\$
51	\\.aiff\$
52	\\.alac\$
53	\\.amr\$
54	\\.ape\$
55	\\.au\$
56	\\.awb\$
57	\\.dct\$
58	\\.dss\$

```

59 \.dvf$
60 \.flac$
61 \.gsm$
62 \.iklax$
63 \.ivs$
64 \.m4a$
65 \.m4b$
66 \.m4p$
67 \.mmf$
68 \.mp3$
69 \.mpc$
70 \.msv$
71 \.nmf$
72 \.nsf$
73 \.ogg$
74 \.oga$
75 \.mogg$
76 \.opus$
77 \.ra$
78 \.rm$
79 \.raw$
80 \.sln$
81 \.tta$
82 \.voc$
83 \.vox$
84 \.wav$
85 \.wma$
86 \.wv$
87 \.webm$
88 \.8svx$

```

Listing 13: ACL - files/office.acl

```

1 \.doc$
2 \.dot$
3 \.xml$
4 \.docx$
5 \.docm$
6 \.dotx$
7 \.dotm$
8 \.doc$
9 \.wpd$
10 \.wps$
11 \.rtf$
12 \.txt$
13 \.csv$
14 \.sdw$
15 \.sgl$
16 \.vor$
17 \.xml$
18 \.uot$
19 \.uof$
20 \.jtd$
21 \.jtt$
22 \.hwp$

```

23	\\.602\$
24	\\.txt\$
25	\\.pdb\$
26	\\.psw\$
27	\\.xls\$
28	\\.xlw\$
29	\\.xlt\$
30	\\.xls\$
31	\\.xlw\$
32	\\.xlt\$
33	\\.xml\$
34	\\.xlsx\$
35	\\.xlsm\$
36	\\.xltx\$
37	\\.xltm\$
38	\\.xlsb\$
39	\\.wk1\$
40	\\.wks\$
41	\\.dif\$
42	\\.rtf\$
43	\\.csv\$
44	\\.txt\$
45	\\.sdc\$
46	\\.vor\$
47	\\.dbf\$
48	\\.slk\$
49	\\.uos\$
50	\\.uof\$
51	\\.htm\$
52	\\.html\$
53	\\.pxl\$
54	\\.wb2\$
55	\\.ppt\$
56	\\.pps\$
57	\\.pot\$
58	\\.pptx\$
59	\\.pptm\$
60	\\.potx\$
61	\\.potm\$
62	\\.sda\$
63	\\.sdd\$
64	\\.sdp\$
65	\\.vor\$
66	\\.uop\$
67	\\.uof\$
68	\\.cgm\$
69	\\.pdf\$
70	\\.7z\$
71	\\.s7z\$
72	\\.ace\$
73	\\.afa\$
74	\\.alz\$
75	\\.apk\$
76	\\.arc\$

77	\.ark\$
78	\.arc\$
79	\.cdx\$
80	\.arj\$
81	\.b1\$
82	\.b6z\$
83	\.ba\$
84	\.bh\$
85	\.cab\$
86	\.car\$
87	\.cfs\$
88	\.cpt\$
89	\.dar\$
90	\.dd\$
91	\.dgc\$
92	\.dmg\$
93	\.ear\$
94	\.gca\$
95	\.ha\$
96	\.hki\$
97	\.ice\$
98	\.jar\$
99	\.kgb\$
100	\.lzh\$
101	\.lha\$
102	\.lzx\$
103	\.pak\$
104	\.partimg\$
105	\.paq6\$
106	\.paq7\$
107	\.paq8\$
108	\.pea\$
109	\.pim\$
110	\.pit\$
111	\.qda\$
112	\.rar\$
113	\.rk\$
114	\.sda\$
115	\.sea\$
116	\.sen\$
117	\.sfx\$
118	\.shk\$
119	\.sit\$
120	\.sitx\$
121	\.sqx\$
122	\.tar.gz\$
123	\.tgz\$
124	\.tar.Z\$
125	\.tar.bz2\$
126	\.tbz2\$
127	\.tar.lzma\$
128	\.tlz\$
129	\.tar.xz\$
130	\.txz\$

```

131 \.uc$
132 \.uc0$
133 \.uc2$
134 \.ucn$
135 \.ur2$
136 \.ue2$
137 \.uca$
138 \.uha$
139 \.war$
140 \.wim$
141 \.xar$
142 \.xp3$
143 \.yz1$
144 \.zip$
145 \.zipx$
146 \.zoo$
147 \.zpaq$
148 \.zz$
149 \.BMP$
150 \.JPEG$
151 \.JPG$
152 \.PCX$
153 \.PSD$
154 \.SGV$
155 \.WMF$
156 \.DXF$
157 \.MET$
158 \.PGM$
159 \.RAS$
160 \.SVM$
161 \.XBM$
162 \.EMF$
163 \.PBM$
164 \.PLT$
165 \.SDA$
166 \.TGA$
167 \.XPM$
168 \.EPS$
169 \.PCD$
170 \.PNG$
171 \.SDD$
172 \.TIF$
173 \.TIFF$
174 \.GIF$
175 \.PCT$
176 \.PPM$
177 \.SGF$
178 \.VOR$

```

Listing 14: ACL - files/windows_update.acl

```

1 \.msu$

```

3 squid.conf

Listing 15: Zmiany w pliku squid.conf

```
1 ##### Authentication setup #####
2 # point to file with users and passwords
3 auth_param basic program /usr/lib/squid/basic_ncsa_auth /etc/squid/passwd
4 # max number of sessions
5 auth_param basic children 2
6 # inform web browser about required authentication
7 auth_param basic realm Serwer squid
8 # max session time
9 auth_param basic credentialsttl 2 hours
10
11 ##### CUSTOM ACL #####
12 # users – MAC addresses
13 acl boss arp "/etc/squid/acl/users/boss.acl"
14 acl managers arp "/etc/squid/acl/users/managers.acl"
15 acl admin arp "/etc/squid/acl/users/admin.acl"
16
17 # users – subnets
18 acl devs_designers_net src "/etc/squid/acl/nets/devs_designers_net.acl"
19 acl office_workers_net src "/etc/squid/acl/nets/office_workers_net.acl"
20
21 # require auth for some users
22 acl developers proxy_auth "/etc/squid/acl/users/developers.acl"
23 acl designers proxy_auth "/etc/squid/acl/users/designers.acl"
24
25 # sites
26 acl entertainment_sites dstdom_regex "/etc/squid/acl/sites/
   entertainment.acl"
27 acl news_sites dstdom_regex "/etc/squid/acl/sites/news.acl"
28 acl windows_updates_sites dstdom_regex "/etc/squid/acl/sites/
   windows_updates.acl"
29
30 # files
31 acl apps_ext urlpath_regex "/etc/squid/acl/files/apps.acl"
32 acl media_ext urlpath_regex "/etc/squid/acl/files/media.acl"
33 acl office_ext urlpath_regex "/etc/squid/acl/files/office.acl"
34 acl windows_update_ext urlpath_regex "/etc/squid/acl/files/
   windows_update.acl"
35
36 # time
37 acl working_hours time 8:00–16:00
38 acl working_days time M T W H F
39
40 ##### CUSTOM HTTP ACCESS #####
41 # boss
42 http_access allow boss
43
44 # managers
45 http_access deny managers entertainment_sites working_hours
46 http_access deny managers entertainment_sites !working_days
```

```
47 |
48 | http_access allow managers
49 |
50 | # designers
51 | http_access deny devs_designers_net designers entertainment_sites
52 | http_access deny devs_designers_net designers media_ext
53 | http_access deny devs_designers_net designers apps_ext !windows_update_ext !
   | windows_updates_sites
54 |
55 | http_access allow devs_designers_net designers
56 |
57 | # developers
58 | http_access deny devs_designers_net designers entertainment_sites
59 | http_access deny devs_designers_net designers news_sites working_hours
   | working_days
60 |
61 | http_access allow devs_designers_net developers
62 |
63 | # admin
64 | http_access deny admin entertainment_sites !working_hours !working_days
65 |
66 | http_access allow admin
67 |
68 | # secretary and accountant
69 | http_access deny office_workers_net entertainment_sites working_hours
   | working_days
70 | http_access deny office_workers_net !office_ext
71 |
72 | http_access allow office_workers_net
```

4 Podsumowanie