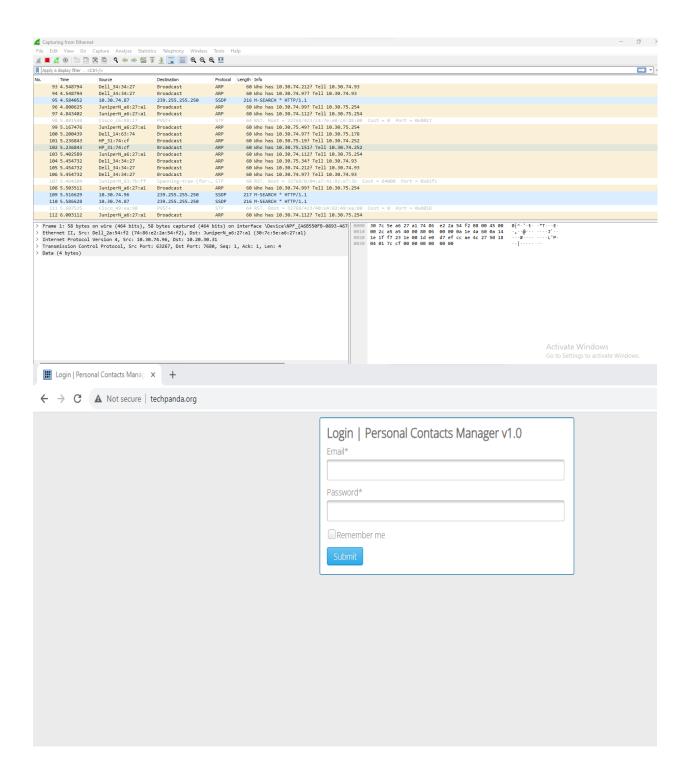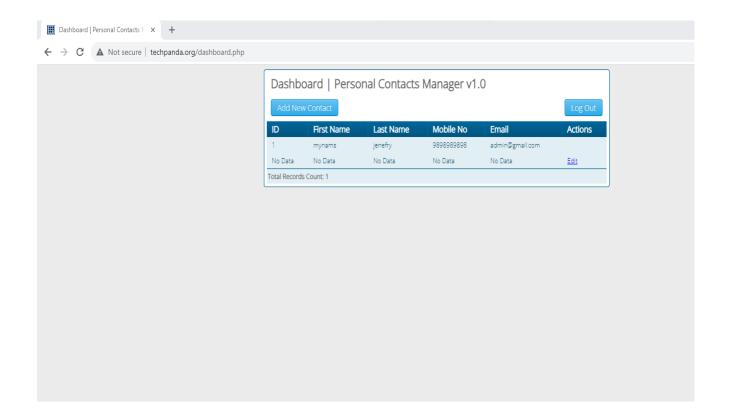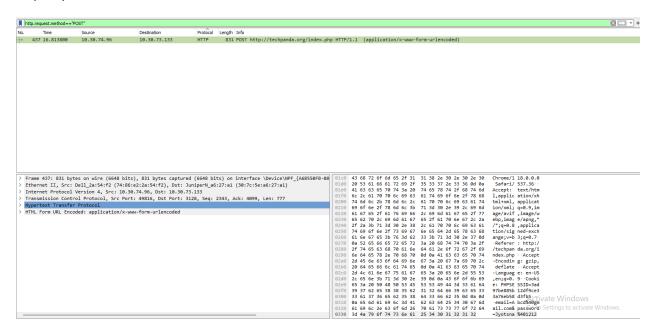Wire shark
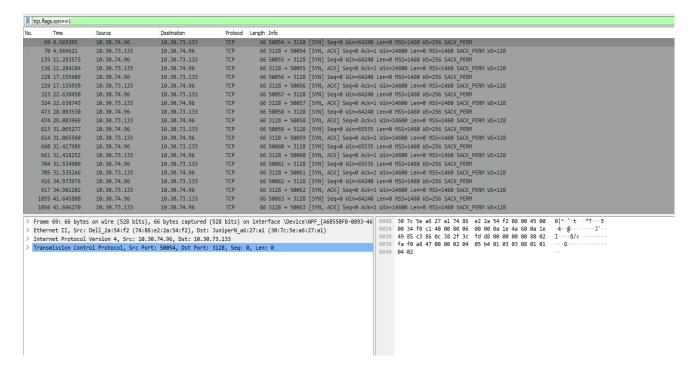
1. http://testphp.vulnweb.com/login.php
2. http://vbsca.ca/login/login.asp
3. http://techpanda.org
   (non secure site)

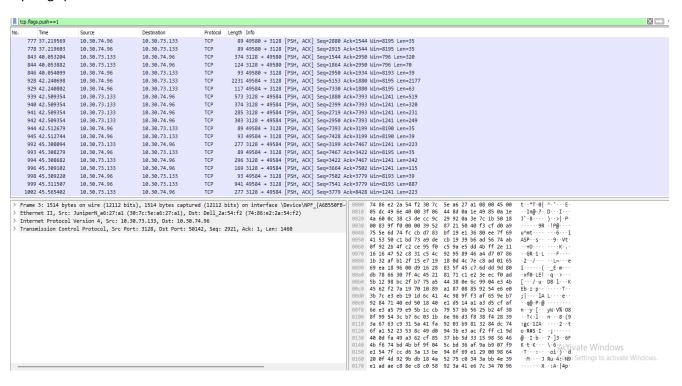http.request.method=="POST"

tcp.flags.syn==1


```
tcp.flags.syn==1

No.    Time         Source         Destination    Protocol  Length  Info
  69   4.569295     10.30.74.96    10.30.73.133   TCP       66  50054 → 3128 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
  70   4.569621     10.30.73.133   10.30.74.96    TCP       66  3128 → 50054 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
 135   11.283573    10.30.74.96    10.30.73.133   TCP       66  50055 → 3128 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
 136   11.284184    10.30.73.133   10.30.74.96    TCP       66  3128 → 50055 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
 228   17.155609    10.30.74.96    10.30.73.133   TCP       66  50056 → 3128 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
 229   17.155939    10.30.73.133   10.30.74.96    TCP       66  3128 → 50056 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
 323   22.638458    10.30.74.96    10.30.73.133   TCP       66  50057 → 3128 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
 324   22.638743    10.30.73.133   10.30.74.96    TCP       66  3128 → 50057 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
 473   28.083530    10.30.74.96    10.30.73.133   TCP       66  50058 → 3128 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
 474   28.083969    10.30.73.133   10.30.74.96    TCP       66  3128 → 50058 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
 613   31.065277    10.30.74.96    10.30.73.133   TCP       66  50059 → 3128 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM
 614   31.065560    10.30.73.133   10.30.74.96    TCP       66  3128 → 50059 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
 660   31.417986    10.30.74.96    10.30.73.133   TCP       66  50060 → 3128 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM
 661   31.418252    10.30.73.133   10.30.74.96    TCP       66  3128 → 50060 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
 704   31.534909    10.30.74.96    10.30.73.133   TCP       66  50061 → 3128 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM
 705   31.535246    10.30.73.133   10.30.74.96    TCP       66  3128 → 50061 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
 916   34.973976    10.30.74.96    10.30.73.133   TCP       66  50062 → 3128 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
 917   34.981202    10.30.73.133   10.30.74.96    TCP       66  3128 → 50062 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
1055   41.645808    10.30.74.96    10.30.73.133   TCP       66  50063 → 3128 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
1056   41.646270    10.30.73.133   10.30.74.96    TCP       66  3128 → 50063 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM WS=128
```

> Frame 69: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{A6B550FB-46
> Ethernet II, Src: Dell_2a:54:f2 (74:86:e2:2a:54:f2), Dst: JuniperN_a6:27:a1 (30:7c:5e:a6:27:a1)
> Internet Protocol Version 4, Src: 10.30.74.96, Dst: 10.30.73.133
> Transmission Control Protocol, Src Port: 50054, Dst Port: 3128, Seq: 0, Len: 0

tcp.flags.push==1


```
tcp.flags.push==1

No.    Time         Source         Destination    Protocol  Length  Info
 777   37.219569    10.30.74.96    10.30.73.133   TCP        89  49580 → 3128 [PSH, ACK] Seq=2880 Ack=1544 Win=8195 Len=35
 778   37.219603    10.30.74.96    10.30.73.133   TCP        89  49580 → 3128 [PSH, ACK] Seq=2915 Ack=1544 Win=8195 Len=35
 843   40.053204    10.30.73.133   10.30.74.96    TCP       374  3128 → 49580 [PSH, ACK] Seq=1544 Ack=2950 Win=796 Len=320
 844   40.053882    10.30.73.133   10.30.74.96    TCP       124  3128 → 49580 [PSH, ACK] Seq=1864 Ack=2950 Win=796 Len=70
 846   40.054099    10.30.74.96    10.30.73.133   TCP        93  49580 → 3128 [PSH, ACK] Seq=2950 Ack=1934 Win=8193 Len=39
 928   42.240698    10.30.74.96    10.30.73.133   TCP      2231  49584 → 3128 [PSH, ACK] Seq=5153 Ack=1880 Win=8195 Len=2177
 929   42.240802    10.30.74.96    10.30.73.133   TCP       117  49584 → 3128 [PSH, ACK] Seq=7330 Ack=1880 Win=8195 Len=63
 939   42.509354    10.30.73.133   10.30.74.96    TCP       573  3128 → 49584 [PSH, ACK] Seq=1880 Ack=7393 Win=1241 Len=519
 940   42.509354    10.30.73.133   10.30.74.96    TCP       374  3128 → 49584 [PSH, ACK] Seq=2399 Ack=7393 Win=1241 Len=320
 941   42.509354    10.30.73.133   10.30.74.96    TCP       285  3128 → 49584 [PSH, ACK] Seq=2719 Ack=7393 Win=1241 Len=231
 942   42.509354    10.30.73.133   10.30.74.96    TCP       303  3128 → 49584 [PSH, ACK] Seq=2950 Ack=7393 Win=1241 Len=249
 944   42.512679    10.30.74.96    10.30.73.133   TCP        89  49584 → 3128 [PSH, ACK] Seq=7393 Ack=3199 Win=8190 Len=35
 945   42.512744    10.30.74.96    10.30.73.133   TCP        93  49584 → 3128 [PSH, ACK] Seq=7428 Ack=3199 Win=8190 Len=39
 992   45.308094    10.30.73.133   10.30.74.96    TCP       277  3128 → 49584 [PSH, ACK] Seq=3199 Ack=7467 Win=1241 Len=223
 993   45.308279    10.30.74.96    10.30.73.133   TCP        89  49584 → 3128 [PSH, ACK] Seq=7467 Ack=3422 Win=8195 Len=35
 994   45.308682    10.30.73.133   10.30.74.96    TCP       296  3128 → 49584 [PSH, ACK] Seq=3422 Ack=7467 Win=1241 Len=242
 996   45.309102    10.30.73.133   10.30.74.96    TCP       169  3128 → 49584 [PSH, ACK] Seq=3664 Ack=7502 Win=1241 Len=115
 998   45.309220    10.30.74.96    10.30.73.133   TCP        93  49584 → 3128 [PSH, ACK] Seq=7502 Ack=3779 Win=8193 Len=39
 999   45.311507    10.30.74.96    10.30.73.133   TCP       941  49584 → 3128 [PSH, ACK] Seq=7541 Ack=3779 Win=8193 Len=887
1002   45.565402    10.30.73.133   10.30.74.96    TCP       277  3128 → 49584 [PSH, ACK] Seq=3779 Ack=8428 Win=1241 Len=223
```

> Frame 3: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits) on interface \Device\NPF_{A6B550FB-
> Ethernet II, Src: JuniperN_a6:27:a1 (30:7c:5e:a6:27:a1), Dst: Dell_2a:54:f2 (74:86:e2:2a:54:f2)
> Internet Protocol Version 4, Src: 10.30.73.133, Dst: 10.30.74.96
> Transmission Control Protocol, Src Port: 3128, Dst Port: 50142, Seq: 2921, Ack: 1, Len: 1460

tcp.flags.reset==1
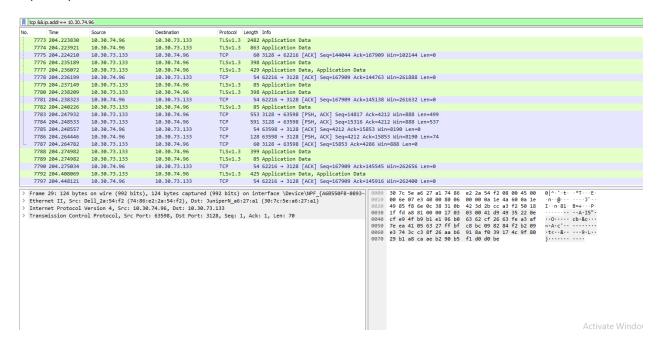
tcp && ip.addr== 10.30.74.96

Summary of packets