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Issues / 详情

## Authentication Bypass vulnerability

Backlog #15VVZ0 JOHNSON Opened this issue 2022-10-15

这是英文的漏洞报告，中文的在(This is the English report, the Chinese report is in Chinese)

### Description

The program uses a fixed JWT key, and the stored Redis key uses username in within an hour. JWT Token can be forged with his username to bypass

Login API

com.anjplus.template.gaea.business.modules.accessuser.controller.AccessUserController#login

```
93  /**
94   * 简单实现登录
95   * @param dto
96   * @return
97   */
98   @PostMapping("/{login}")
99   public ResponseBean login(@RequestBody @Validated GaeaUserDto dto) {
100       return responseSuccessWithData(accessUserService.login(dto));
101   }
```

Make redis key of format username, Although uuid is used, uuid is not involved in authentication.

com.anjplus.template.gaea.business.modules.accessuser.service.impl.AccessUserServiceImpl#login

com.anjplus.template.gaea.business.constant.BusinessConstant#GAEA\_SECURITY\_LOGIN\_TOKEN

```
String loginName = gaeaUserDto.getLoginName();
String password = gaeaUserDto.getPassword();

// 1. 判断用户是否存在
LambdaQueryWrapper<AccessUser> wrapper = Wrappers.lambdaQuery();
wrapper.eq(AccessUser::getLoginName, loginName);
AccessUser accessUser = accessUserMapper.selectOne(wrapper);
if (null == accessUser) {
    throw BusinessExceptionBuilder.build(ResponseCode.LOGIN_ERROR);
}

// 2. 密码错误
if (!accessUser.getPassword().equals(MD5Util.encrypt(password))) {
    throw BusinessExceptionBuilder.build(ResponseCode.USER_PASSWORD_ERROR);
}

// 3. 如果该用户登录未过期，这里允许一个用户在不同终端登录
String tokenKey = String.format(BusinessConstant.GAEA_SECURITY_LOGIN_TOKEN, loginName);
String token = "";
GaeaUserDto gaeaUser = new GaeaUserDto();
if (cacheHelper.exists(tokenKey)) {
    token = cacheHelper.getString(tokenKey);
} else {
    // 生成用户token
    String uuid = GaeaUtils.UUID();
    token = JwtBean.createToken(loginName, uuid, type: 0, GaeaConstant.TENANT_CODE);
    cacheHelper.setString(tokenKey, token, seconds: 3600);
}
```

Uses a fixed JWT secret key

spring-boot-aaea-2.0.5.RELEASE.jar!com.anii.plus.aaea.utils.JwtBean#createToken

CLA

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Status

Backlog

Assignees

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Labels

Not set

Milestones

No related milestones

Pull Requests

None yet

Successfully merging a pull request.

Branches

No related branch

Planned to start - Planned to start

Unscheduled - Unschedule

Top level

Not Top

Priority

Not specified

参与者 (1)





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The screenshot shows the Burp Suite interface with a request and response. The request is a GET to /accessible/pathList?showMoreSearch=false&currentPageNumber=1&pageSize=10. The response is a 200 OK with a JSON body containing a list of paths. A JWT token is visible in the response body.





JOHNSON created 任务 a month ago

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Mini Program

