vran-dev fix some security bug (#103) ... ✓ History

1 contributor

63 lines (51 sloc) | 1.87 KB ...

```java
package com.databasir.core.infrastructure.jwt;

import com.auth0.jwt.JWT;
import com.auth0.jwt.algorithms.Algorithm;
import com.auth0.jwt.exceptions.JWTVerificationException;
import com.auth0.jwt.interfaces.JWTVerifier;
import lombok.extern.slf4j.Slf4j;
import org.springframework.beans.factory.annotation.Value;
import org.springframework.stereotype.Component;

import java.time.Instant;
import java.time.LocalDateTime;
import java.time.ZoneId;
import java.util.Date;

@Component
@Slf4j
public class JwtTokens {

    // 15 minutes
    private static final long ACCESS_EXPIRE_TIME = 1000 * 60 * 15;

    public static final String TOKEN_PREFIX = "Bearer ";

    private static final String ISSUER = "Databasir";

    @Value("${databasir.jwt.secret}")
```

```
28      private String tokenSecret;
29
30      public String accessToken(String username) {
31          Algorithm algorithm = Algorithm.HMAC256(tokenSecret);
32
33          return JWT.create()
34                  .withExpiresAt(new Date(new Date().getTime() + ACCESS_EXPIRE_TIME))
35                  .withIssuer(ISSUER)
36                  .withClaim("username", username)
37                  .sign(algorithm);
38      }
39
40      public boolean verify(String token) {
41          JWTVerifier verifier = JWT.require(Algorithm.HMAC256(tokenSecret))
42                  .withIssuer(ISSUER)
43                  .build();
44          try {
45              verifier.verify(token);
46              return true;
47          } catch (JWTVerificationException e) {
48              log.warn("verify jwt token failed " + e.getMessage());
49              return false;
50          }
51      }
52
53      public String getUsername(String token) {
54          return JWT.decode(token).getClaim("username").asString();
55      }
56
57      public LocalDateTime expireAt(String token) {
58          long time = JWT.decode(token).getExpiresAt().getTime();
59          return Instant.ofEpochMilli(time)
60                  .atZone(ZoneId.systemDefault())
61                  .toLocalDateTime();
62      }
63  }
```