

Quick Fix (42)

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Lambdas should be replaced with method references

Analyze your code

Security Hotspot Major ? cwe owasp

These keys can be used, to encrypt, sign or create a message authentication code (MAC) as proof that the authentication result has not been tampered with. This protection defeats the scenario where an attacker with physical access to the device would try to hook into the application process and call the `onAuthenticationSucceeded` method directly. Therefore he would be unable to extract the sensitive data or to perform the critical operations protected by the biometric authentication.

There is a risk if you answered yes to this question.

It's recommended to tie the biometric authentication to a cryptographic operation by using a `CryptoObject` during authentication.







A `CryptoObject` is not used during authentication:

```
// ...
BiometricPrompt biometricPrompt = new BiometricPrompt(activi
// ...
biometricPrompt.authenticate(promptInfo); // Noncompliant
```

A `CryptoObject` is used during authentication:

```
// ...
BiometricPrompt biometricPrompt = new BiometricPrompt(activi
// ...
biometricPrompt.authenticate(promptInfo, new BiometricPrompt
```

- OWASP Top 10 2021 Category A7 - Identification and Authentication Failures

<div> Code Smell</div>	<div><ul style="list-style-type: none">• developer.android.com - Use a cryptographic solution that depends on authentication• OWASP Mobile Top 10 Category M4 - Insecure Authentication• OWASP MASVS - Authentication and Session Management Requirements• MITRE, CWE-287 - Improper Authentication</div>
<div><p>Parentheses should be removed from a single lambda input parameter when its type is inferred</p><div> Code Smell</div></div>	<div>Available In:</div> <div> </div>
<div><p>Abstract classes without fields should be converted to interfaces</p><div> Code Smell</div></div>	
<div><p>Lambdas containing only one statement should not nest this statement in a block</p><div> Code Smell</div></div>	
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