

Security Findings of Project "differentCase"

Analysis Date: 2020-06-07 09:20:59

Analyzed Workspace:

Packages:	1	Total LOC:	15
Classes:	1	No. of Bytecode Instructions:	34

Computed Call Graph:

Classes not in Call Graph:	0	Methods not in Call Graph:	0
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Findings in List:

All Findings:	5	Problematic Findings:	4
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Finding Problem Types:



- Cryptography: Crypto...: 1
- Cryptography: Crypto...: 1
- FindSecBugs: MD2, MD...: 1
- Cryptography: Check ...: 1

Finding Classifications:



- High risk: 4
- No risk: 1

Finding Ratings:

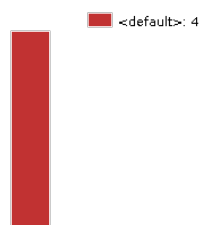


- High risk: 1
- Medium risk: 2
- Low risk: 1

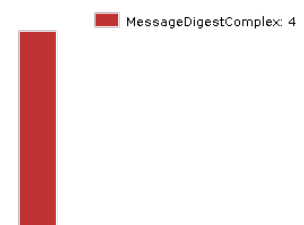
OWASP Top 10 2017



Hot Spots (Packages)



Hot Spots (Classes)



Findings List

Finding ID:	4	Problem Type:	Cryptography: Check that only allowed hash algorithms are used (Protocol Check Findings)
Classification:	Warning	Date:	2020-06-07 09:20:59 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	MessageDigestComplex.java (<Source Code>):8		
Tags:	no tags assigned		
Comment:	no comment		
Description:	<p>An identified location for problem type 'Cryptography: Check that only allowed hash algorithms are used'.</p> <p>The protocol check detected something wrong when encountering symbol 'AnyAlgorithm_MessageDigestGetInstance'.</p> <p>Violated protocol: Check Allowed Hash Algorithms</p> <p>Protocol description:</p> <p>Allow only a given set of hash algorithm names where algorithm names are expected.</p> <p>The algorithm names are configured via constant value constraint variables.</p> <p>Names to be checked against can be found here: https://docs.oracle.com/javase/8/docs/technotes/guides/security/StandardNames.html</p> <p>Matching pattern in protocol check kind 'AnyAlgorithm_MessageDigestGetInstance':</p> <pre>static java.security.MessageDigest java.security.MessageDigest.getInstance(java.lang.String, **)</pre>		

Finding ID:	2	Problem Type:	Cryptography: Cryptographic Algorithms Used in Project (Special Code)
Classification:	Information	Date:	2020-06-07 09:20:59 - new
Rating:	0.00	Reviewed State:	Not Reviewed
Location:	MessageDigestComplex.java (<Source Code>):8		
Tags:	no tags assigned		
Comment:	no comment		
Description:	<p>An identified location for problem type 'Cryptography: Cryptographic Algorithms Used in Project'.</p> <p>Declared in: java.security.MessageDigest</p> <p>Matching pattern in special code kind 'Cryptography: Cryptographic Algorithms Used in Project':</p> <pre>static java.security.** java.security.**.getInstance(java.lang.String)</pre>		

Finding ID:	1	Problem Type:	Cryptography: Cryptographic Algorithms w/o Specified Crypto-Provider (Special Code)
Classification:	Warning	Date:	2020-06-07 09:20:59 - new
Rating:	1.00	Reviewed State:	Not Reviewed
Location:	MessageDigestComplex.java (<Source Code>):8		
Tags:	no tags assigned		
Comment:	no comment		
Description:	<p>An identified location for problem type 'Cryptography: Cryptographic Algorithms w/o Specified Crypto-Provider'.</p> <p>Declared in: java.security.MessageDigest</p> <p>Matching pattern in special code kind 'Cryptography: Cryptographic Algorithms w/o Specified Crypto-Provider':</p> <pre>static java.security.** java.security.**.getInstance(java.lang.String)</pre>		

Findings List

Finding ID:	3	Problem Type:	Cryptography: Cryptographic Hashing (Protocol Check Findings)
Classification:	Warning	Date:	2020-06-07 09:20:59 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	MessageDigestComplex.java (<Source Code>):9		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	<p>An identified location for problem type 'Cryptography: Cryptographic Hashing'. Dataflow ended in a state that was not GOOD.</p> <p>Violated protocol: MessageDigest Use for Cryptographic Hashing Protocol description: A MessageDigest instance is created and used for cryptographic hashing.</p>		

Finding ID:	5	Problem Type:	FindSecBugs: MD2, MD4 and MD5 are weak hash functions (SpotBugs Security Issues)
Classification:	Warning	Date:	2020-06-07 09:20:59 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	MessageDigestComplex.java (<Source Code>):8		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	<p>A finding identified by the external 'SpotBugs' plugin: MD5 is not a recommended cryptographic hash function</p> <ul style="list-style-type: none">- In method MessageDigestComplex.main(String[])- Value MD5		