



Assessment Report

Project Elasticsearch zip package

Date Nov 30, 2018

Generated by mabaumgartner

Executive Summary

Project: Elasticsearch zip package

Tools: FindBugs

40
Medium

558
Low

598
Total Findings
(from 14 rules)

Finding Status

New	Unresolved	Escalated	Ignored	False Positive	Fixed	Mitigated	Assigned
0	598	0	0	0	0	0	0

Finding Summary

Finding Type	Count
Cryptographic Issue (page 3)	14
Resource Management (page 7)	8
Authentication and Authorization (page 9)	7
Credentials Management (page 11)	3
Path Traversal (page 12)	2
XML Injection (page 13)	2
CRLF Injection (page 16)	1
FindBugs / SECURITY / XXE_XMLSTREAMREADER (page 15)	1
FindBugs / Security / Find Security Bugs Plugin / The initialization vector (IV) is not properly generated (page 16)	1
OS Command Injection (page 14)	1
Insufficient Encapsulation (page 18)	489
FindBugs / Malicious code vulnerability / Field isn't final but should be (page 161)	58
FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field (page 177)	10
FindBugs / Malicious code vulnerability / Classloaders should only be created inside doPrivileged block (page 180)	1

Finding Details

Medium Severity Findings (40)

Cryptographic Issue (medium severity)

[CWE-310](#): Cryptographic Issues

Finding Details (14)

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models (5)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/EwmaModel.java:84

ID: 13923 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[[CWE-330](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/EwmaModel.java

The use of java.lang.Math.random() is predictable

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/EwmaModel.java:84
***** Primary Bug Location
At EwmaModel.java:[line 84]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltLinearModel.java:95

ID: 1174 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[[CWE-330](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltLinearModel.java

The use of java.lang.Math.random() is predictable

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltLinearModel.java:95
***** Primary Bug Location
At HoltLinearModel.java:[line 95]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltLinearModel.java:96

ID: 1175 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[[CWE-330](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltLinearModel.java

The use of java.lang.Math.random() is predictable

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltLinearModel.java:96
***** Primary Bug Location
At HoltLinearModel.java:[line 96]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltWintersModel.java:228

ID: 12923 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[CWE-330]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltWintersModel.java

The use of java.lang.Math.random() is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltWintersModel.java:228 ***** Primary Bug Location
At HoltWintersModel.java:[line 228]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltWintersModel.java:229

ID: 12926 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[CWE-330]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltWintersModel.java

The use of java.lang.Math.random() is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/models/HoltWintersModel.java:229 ***** Primary Bug Location
At HoltWintersModel.java:[line 229]

Path: elasticsearch-6.5.1/org/elasticsearch/common (2)

Location: elasticsearch-6.5.1/org/elasticsearch/common/Randomness.java:78

ID: 8816 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[CWE-330]

Location: elasticsearch-6.5.1/org/elasticsearch/common/Randomness.java

The use of java.util.Random is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/Randomness.java:78 ***** Primary Bug Location
At Randomness.java:[line 78]

Location: elasticsearch-6.5.1/org/elasticsearch/common/Randomness.java:132

ID: 8817 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[CWE-330]

Location: elasticsearch-6.5.1/org/elasticsearch/common/Randomness.java

The use of java.util.concurrent.ThreadLocalRandom is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/Randomness.java:132 ***** Primary Bug Location

At Randomness.java:[line 132]

Path: elasticsearch-6.5.1/org/elasticsearch/license (1)

Location: elasticsearch-6.5.1/org/elasticsearch/license/CryptUtils.java:204

ID: 345 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / The cipher does not provide data integrity
[CWE-329]

Location: elasticsearch-6.5.1/org/elasticsearch/license/CryptUtils.java

The cipher does not provide data integrity

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/license/CryptUtils.java:204 ***** Primary Bug Location
At CryptUtils.java:[line 204]

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / The cipher uses ECB mode, which provides poor confidentiality for encrypted data [CWE-329]

Location: elasticsearch-6.5.1/org/elasticsearch/license/CryptUtils.java

The cipher uses ECB mode, which provides poor confidentiality for encrypted data

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/license/CryptUtils.java:204 ***** Primary Bug Location
At CryptUtils.java:[line 204]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg (1)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/

SimulatedAnealingMinimizer.java:70

ID: 3935 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[CWE-330]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/SimulatedAnealingMinimizer.java

The use of java.lang.Math.random() is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/movavg/SimulatedAnealingMinimizer.java:70 ***** Primary Bug Location
At SimulatedAnealingMinimizer.java:[line 70]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/datafeed (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/datafeed/DatafeedConfig.java:621

ID: 12619 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[CWE-330]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/datafeed/DatafeedConfig.java

The use of java.util.Random is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/datafeed/DatafeedConfig.java:621 ***** Primary Bug Location
At DatafeedConfig.java:[line 621]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/ml (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/MIDailyMaintenanceService.java:71

ID: 17512 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[CWE-330]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/MIDailyMaintenanceService.java

The use of java.util.Random is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/MIDailyMaintenanceService.java:71 ***** Primary Bug Location
At MIDailyMaintenanceService.java:[line 71]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder/DelimitedFileStructureFinder.java:335

ID: 24767 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[CWE-330]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder/DelimitedFileStructureFinder.java

The use of java.util.Random is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder/DelimitedFileStructureFinder.java:335 ***** Primary Bug Location
At DelimitedFileStructureFinder.java:[line 335]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/process/autodetect (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/process/autodetect/AutodetectBuilder.java:277

ID: 21796 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator
[CWE-330]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/process/autodetect/AutodetectBuilder.java

The use of java.util.Random is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/process/autodetect/AutodetectBuilder.java:277 ***** Primary Bug Location
At AutodetectBuilder.java:[line 277]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/expression/function/scalar/math (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/expression/function/scalar/math/MathProcessor.java:53
ID: 16717 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Predictable pseudorandom number generator [CWE-330]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/expression/function/scalar/math/MathProcessor.java

The use of java.util.Random is predictable

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/sql/expression/function/scalar/math/MathProcessor.java:53
 ***** Primary Bug Location
 At MathProcessor.java:[line 53]

Resource Management (medium severity)

[CWE-399](#): Resource Management Errors

Finding Details (8)

Path: elasticsearch-6.5.1/org/elasticsearch/common/settings (3)

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/AbstractScopedSettings.java:58
ID: 25096 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Regex DOS (ReDOS) [CWE-400]
Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/AbstractScopedSettings.java

The regular expression "^(?:[-\\w]+[.])?[-\\w]+\$" is vulnerable to a denial of service attack (ReDOS)

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/settings/AbstractScopedSettings.java:58 ***** Primary Bug Location
 At AbstractScopedSettings.java:[line 58]

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/AbstractScopedSettings.java:59
ID: 25101 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Regex DOS (ReDOS) [CWE-400]
Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/AbstractScopedSettings.java

The regular expression "^(?:[-\\w]+[.])?[-\\w]+\$" is vulnerable to a denial of service attack (ReDOS)

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/settings/AbstractScopedSettings.java:59 ***** Primary Bug Location
 At AbstractScopedSettings.java:[line 59]

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/AbstractScopedSettings.java:60
ID: 25102 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Regex DOS (ReDOS) [CWE-400]
Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/AbstractScopedSettings.java

The regular expression "^(?:[-\\w]+[.])+(?:(?:[-\\w]+)+)\$" is vulnerable to a denial of service attack (ReDOS)

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/settings/AbstractScopedSettings.java:60 ***** Primary Bug Location
At AbstractScopedSettings.java:[line 60]

Path: elasticsearch-6.5.1/org/elasticsearch/bootstrap (1)

Location: elasticsearch-6.5.1/org/elasticsearch/bootstrap/JavaVersion.java:61

ID: 6972 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Regex DOS (ReDOS) [[CWE-400](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/bootstrap/JavaVersion.java

The regular expression "^0*[0-9]+(\\.[0-9]+)*\$" is vulnerable to a denial of service attack (ReDOS)

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/bootstrap/JavaVersion.java:61 ***** Primary Bug Location
At JavaVersion.java:[line 61]

Path: elasticsearch-6.5.1/org/elasticsearch/tools/java_version_checker (1)

Location: elasticsearch-6.5.1/org/elasticsearch/tools/java_version_checker/JavaVersion.java:32

ID: 16614 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Regex DOS (ReDOS) [[CWE-400](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/tools/java_version_checker/JavaVersion.java

The regular expression "^0*[0-9]+(\\.[0-9]+)*\$" is vulnerable to a denial of service attack (ReDOS)

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/tools/java_version_checker/JavaVersion.java:32 ***** Primary Bug Location
At JavaVersion.java:[line 32]

Path: elasticsearch-6.5.1/org/elasticsearch/tools/launchers (1)

Location: elasticsearch-6.5.1/org/elasticsearch/tools/launchers/JvmOptionsParser.java:128

ID: 18502 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Regex DOS (ReDOS) [[CWE-400](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/tools/launchers/JvmOptionsParser.java

The regular expression "((?<start>\\d+)(?<range>-)?(?<end>\\d+)?)(?<option>-.*)\$" is vulnerable to a denial of service attack (ReDOS)

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/tools/launchers/JvmOptionsParser.java:128 ***** Primary Bug Location
At JvmOptionsParser.java:[line 128]

Path: elasticsearch-6.5.1/org/elasticsearch/transport (1)

Location: elasticsearch-6.5.1/org/elasticsearch/transport/TcpTransport.java:669
ID: 18026 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Regex DOS (ReDOS) [CWE-400]
Location: elasticsearch-6.5.1/org/elasticsearch/transport/TcpTransport.java

The regular expression "^\\[(.*\\.*)\\](?:([\\d\\-]*)?)?\$" is vulnerable to a denial of service attack (ReDOS)

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/transport/TcpTransport.java:669 ***** Primary Bug Location
 At TcpTransport.java:[line 669]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/utlils (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/utlils/MlStrings.java:26
ID: 5800 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Regex DOS (ReDOS) [CWE-400]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/utlils/MlStrings.java

The regular expression "[a-z0-9](?:[a-z0-9_\\-\\.]*[a-z0-9])?" is vulnerable to a denial of service attack (ReDOS)

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/utlils/MlStrings.java:26 ***** Primary Bug Location
 At MlStrings.java:[line 26]

Authentication and Authorization (medium severity)

CWE-287: Improper Authentication

Description

When an actor claims to have a given identity, the software does not prove or insufficiently proves that the claim is correct.

Finding Details (7)

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl (7)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:39
ID: 17691 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / TrustManager that accept any certificates makes communication vulnerable to a MITM attack [CWE-300]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java

TrustManager that accept any certificates makes communication vulnerable to a MITM attack

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:39 ***
 At TrustAllConfig.java:[line 39]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:43
ID: 17694 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / TrustManager that accept any certificates makes communication vulnerable to a MITM attack [\[CWE-300\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java

TrustManager that accept any certificates makes communication vulnerable to a MITM attack

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:43 ***  
At TrustAllConfig.java:[line 43]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:47

ID: 17692 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / TrustManager that accept any certificates makes communication vulnerable to a MITM attack [\[CWE-300\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java

TrustManager that accept any certificates makes communication vulnerable to a MITM attack

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:47 ***  
At TrustAllConfig.java:[line 47]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:51

ID: 17700 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / TrustManager that accept any certificates makes communication vulnerable to a MITM attack [\[CWE-300\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java

TrustManager that accept any certificates makes communication vulnerable to a MITM attack

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:51 ***  
At TrustAllConfig.java:[line 51]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:55

ID: 17698 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / TrustManager that accept any certificates makes communication vulnerable to a MITM attack [\[CWE-300\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java

TrustManager that accept any certificates makes communication vulnerable to a MITM attack

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:55 ***  
At TrustAllConfig.java:[line 55]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:59

ID: 17695 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / TrustManager that accept any certificates makes communication vulnerable to a MITM attack [[CWE-300](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java

TrustManager that accept any certificates makes communication vulnerable to a MITM attack

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:59 ***
At TrustAllConfig.java:[line 59]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:63

ID: 17703 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / TrustManager that accept any certificates makes communication vulnerable to a MITM attack [[CWE-300](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java

TrustManager that accept any certificates makes communication vulnerable to a MITM attack

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ssl/TrustAllConfig.java:63 ***
At TrustAllConfig.java:[line 63]

Credentials Management (medium severity)

[CWE-255](#): Credentials Management

Finding Details (3)

Path: elasticsearch-6.5.1/org/elasticsearch/common/settings (2)

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/KeyStoreWrapper.java:403

ID: 13199 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Hard coded password found [[CWE-259](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/KeyStoreWrapper.java

Hard coded password found

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/settings/KeyStoreWrapper.java:403 ***** Primary Bug
Location
At KeyStoreWrapper.java:[line 403]

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/KeyStoreWrapper.java:429

ID: 13191 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Hard coded password found [[CWE-259](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/KeyStoreWrapper.java

Hard coded password found

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/settings/KeyStoreWrapper.java:429 ***** Primary Bug
Location
At KeyStoreWrapper.java:[line 429]
```

Path: elasticsearch-6.5.1/org/elasticsearch/license (1)

Location: elasticsearch-6.5.1/org/elasticsearch/license/CryptUtils.java:31-246
ID: 344 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Hard coded password found [[CWE-259](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/license/CryptUtils.java

Hard coded password found

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/license/CryptUtils.java:31 ***
At CryptUtils.java:[lines 31-246]
```

Path Traversal (medium severity)

[CWE-22](#): Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')

Description

Web applications occasionally use parameter values to store the location of a file which will later be required by the server.

An example of this is often seen in error pages, where the actual file path for the error page is stored in a parameter value -- for example `example.com/error.php?page=404.php`.

A path traversal occurs when the parameter value (ie. path to file being called by the server) can be substituted with the relative path of another resource which is located outside of the applications working directory. The server then loads the resource and includes its contents in the response to the client.

Cyber-criminals will abuse this vulnerability to view files that should otherwise not be accessible.

A very common example of this, on *nix servers, is gaining access to the `/etc/passwd` file in order to retrieve a list of server users. This attack would look like: `yoursite.com/error.php?page=../../../../etc/passwd`

As path traversal is based on the relative path, the payload must first traverse to the file system's root directory, hence the string of `../../../../`.

Guidance

It is recommended that untrusted data is never used to form a file location to be included.

To validate data, the application should ensure that the supplied value for a file is permitted. This can be achieved by performing whitelisting on the parameter value, by matching it against a list of permitted files. If the supplied value does not match any value in the whitelist, then the server should redirect to a standard error page.

In some scenarios, where dynamic content is being requested, it may not be possible to perform validation against a list of trusted resources, therefore the list must also become dynamic (updated as the files change), or perform filtering to remove extraneous user input (such as semicolons, periods etc.) and only permit a-z0-9.

It is also advised that sensitive files are not stored within the web root and that the user permissions enforced by the directory are correct.

References

- [WASC](#)
- [OWASP](#)

Finding Details (2)

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/utis (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/utis/NamedPipeHelper.java:288

ID: 10805 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Potential Path Traversal (file read) [[CWE-22](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/utis/NamedPipeHelper.java

FileInputStream(...) reads a file whose location might be specified by user input

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/utis/NamedPipeHelper.java:288 ***** Primary Bug Location
    At NamedPipeHelper.java:[line 288]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/utis/NamedPipeHelper.java:288 ***
    At NamedPipeHelper.java:[line 288]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/utis/NamedPipeHelper.java:310

ID: 10802 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Potential Path Traversal (file write) [[CWE-22](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/utis/NamedPipeHelper.java

FileOutputStream(...) writes to a file whose location might be specified by user input

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/utis/NamedPipeHelper.java:310 ***** Primary Bug Location
    At NamedPipeHelper.java:[line 310]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/utis/NamedPipeHelper.java:310 ***
    At NamedPipeHelper.java:[line 310]
```

XML Injection (medium severity)

[CWE-91](#): XML Injection (aka Blind XPath Injection)

Description

The software does not properly neutralize special elements that are used in XML, allowing attackers to modify the syntax, content, or commands of the XML before it is processed by an end system.

Within XML, special elements could include reserved words or characters such as "<", ">", "\"", and "&", which could then be used to add new data or modify XML syntax.

Finding Details (2)

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder/XmlFileStructureFinder.java:67

ID: 14807 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / XML parsing vulnerable to XXE (DocumentBuilder) [[CWE-611](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder/XmlFileStructureFinder.java

The use of DocumentBuilder.parse(...) is vulnerable to XML External Entity attacks

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder/XmlFileStructureFinder.java:67 *****
Primary Bug Location
At XmlFileStructureFinder.java:[line 67]
```

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlRequestHandler.java:284

ID: 10003 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / XML parsing vulnerable to XXE (DocumentBuilder) [[CWE-611](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlRequestHandler.java

The use of DocumentBuilder.parse(...) is vulnerable to XML External Entity attacks

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlRequestHandler.java:284 *****
Primary Bug Location
At SamlRequestHandler.java:[line 284]
```

OS Command Injection (medium severity)

[CWE-78](#): Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')

Description

To perform specific actions from within a web application, it is occasionally required to run Operating System commands and have the output of these commands captured by the web application and returned to the client.

OS command injection occurs when user supplied input is inserted into one of these commands without proper sanitisation and is then executed by the server.

Cyber-criminals will abuse this weakness to perform their own arbitrary commands on the server. This can include everything from simple `ping` commands to map the internal network, to obtaining full control of the server.

Guidance

It is recommended that untrusted data is never used to form a command to be executed by the OS.

To validate data, the application should ensure that the supplied value contains only the characters that are required to perform the required action.

For example, where the form field expects an IP address, only numbers and periods should be accepted. Additionally, all control operators (&, &&, |, ||, \$, \, #) should be explicitly denied and never accepted as valid input by the server.

References

- [WASC](#)
- [OWASP](#)

Finding Details (1)

Path: elasticsearch-6.5.1/org/elasticsearch/bootstrap (1)

Location: elasticsearch-6.5.1/org/elasticsearch/bootstrap/Spawner.java:111

ID: 14308 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Potential Command Injection [[CWE-78](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/bootstrap/Spawner.java

This usage of ProcessBuilder(...) can be vulnerable to Command Injection

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/bootstrap/Spawner.java:111 ***** Primary Bug Location
  At Spawner.java:[line 111]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/bootstrap/Spawner.java:75 ***
  At Spawner.java:[line 75]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/bootstrap/Spawner.java:76 ***
  At Spawner.java:[line 76]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/bootstrap/Spawner.java:86 ***
  At Spawner.java:[line 86]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/bootstrap/Spawner.java:107 ***
  At Spawner.java:[line 107]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/bootstrap/Spawner.java:109 ***
  At Spawner.java:[line 109]
```

XXE_XMLSTREAMREADER (medium severity)

No Common Weakness Enumeration information available

Finding Details (1)

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder/XmlFileStructureFinderFactory.java:59

ID: 4370 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / SECURITY / XXE_XMLSTREAMREADER

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder/XmlFileStructureFinderFactory.java

The XML parsing is vulnerable to XML External Entity attacks

Bug Path:


```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/filestructurefinder/XmlFileStructureFinderFactory.java:59
***** Primary Bug Location
At XmlFileStructureFinderFactory.java:[line 59]
```

CRLF Injection (medium severity)

[CWE-93](#): Improper Neutralization of CRLF Sequences ('CRLF Injection')

Description

The software uses CRLF (carriage return line feeds) as a special element, e.g. to separate lines or records, but it does not neutralize or incorrectly neutralizes CRLF sequences from inputs.

Finding Details (1)

Path: elasticsearch-6.5.1/org/elasticsearch/client (1)

Location: elasticsearch-6.5.1/org/elasticsearch/client/RequestLogger.java:83

ID: 12700 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / Potential CRLF Injection for logs [\[CWE-93\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/client/RequestLogger.java

This use of Log.trace(...) might be used to include CRLF characters into log messages

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/client/RequestLogger.java:83 ***** Primary Bug Location
At RequestLogger.java:[line 83]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/client/RequestLogger.java:78 ***
At RequestLogger.java:[line 78]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/client/RequestLogger.java:83 ***
At RequestLogger.java:[line 83]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/client/RequestLogger.java:161 ***
At RequestLogger.java:[line 161]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/client/RequestLogger.java:162 ***
At RequestLogger.java:[line 162]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/client/RequestLogger.java:166 ***
At RequestLogger.java:[line 166]
```

The initialization vector (IV) is not properly generated (medium severity)

[CWE-500](#): Public Static Field Not Marked Final

Description

Initialization vector must be regenerated for each message to be encrypted.

Vulnerable Code:

```
private static byte[] IV = new byte[16] {(byte)0,(byte)1,(byte)2,...};

public void encrypt(String message) throws Exception {

    IvParameterSpec ivSpec = new IvParameterSpec(IV);
    [...]
```

Solution:


```
public void encrypt(String message) throws Exception {

    byte[] iv = new byte[16];
    new SecureRandom().nextBytes(iv);

    IvParameterSpec ivSpec = new IvParameterSpec(iv);
    [...]
```

References

[Wikipedia: Initialization vector](#)

[CWE-329: Not Using a Random IV with CBC Mode](#)

[Encryption - CBC Mode IV: Secret or Not?](#)

Finding Details (1)

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/crypto (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/crypto/CryptoService.java:182

ID: 23370 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Security / Find Security Bugs Plugin / The initialization vector (IV) is not properly generated [[CWE-500](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/crypto/CryptoService.java

The initialization vector (IV) is not properly generated

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/crypto/CryptoService.java:182 ***** Primary Bug Location
At CryptoService.java:[line 182]

Low Severity Findings (558)

Insufficient Encapsulation (low severity)

[CWE-485](#): Insufficient Encapsulation

Description

The product does not sufficiently encapsulate critical data or functionality.

Encapsulation is about drawing strong boundaries. In a web browser that might mean ensuring that your mobile code cannot be abused by other mobile code. On the server it might mean differentiation between validated data and unvalidated data, between one user's data and another's, or between data users are allowed to see and data that they are not.

Finding Details (489)

Path: [elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state](#) (29)

Location: [elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:147](#)

ID: 11543 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: [elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java](#)

```
new org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts(String, long, long, long, long, long, long, long, long, long, long, Date, Date, Date, Date, Date) may expose internal representation by storing an externally mutable object into DataCounts.latestRecordTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:147 *****
Primary Bug Location
At DataCounts.java:[line 147]
```

Location: [elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:148](#)

ID: 11547 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: [elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java](#)

```
new org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts(String, long, long, long, long, long, long, long, long, long, long, Date, Date, Date, Date, Date) may expose internal representation by storing an externally mutable object into DataCounts.earliestRecordTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:148 *****
Primary Bug Location
At DataCounts.java:[line 148]
```

Location: [elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:149](#)

ID: 11545 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: [elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java](#)

```
new org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts(String, long, long, long, long, long, long, long, long, long, long, Date, Date, Date, Date, Date) may expose internal representation by storing an externally mutable object into DataCounts.lastDataTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:149 *****  
Primary Bug Location  
At DataCounts.java:[line 149]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:150

ID: 11558 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

```
new org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts(String, long, long, long, long, long, long, long, long, long, long, Date, Date, Date, Date, Date) may expose internal representation by storing an externally mutable object into DataCounts.latestEmptyBucketTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:150 *****  
Primary Bug Location  
At DataCounts.java:[line 150]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:151

ID: 11544 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

```
new org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts(String, long, long, long, long, long, long, long, long, long, long, Date, Date, Date, Date, Date) may expose internal representation by storing an externally mutable object into DataCounts.latestSparseBucketTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:151 *****  
Primary Bug Location  
At DataCounts.java:[line 151]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:382

ID: 11560 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

```
org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.getEarliestRecordTimeStamp() may expose internal representation by returning DataCounts.earliestRecordTimeStamp
```

Bug Path:

Elasticsearch zip package - Code Dx Assessment Report

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:382 *****
Primary Bug Location
At DataCounts.java:[line 382]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:396

ID: 11546 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

```
org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.setEarliestRecordTimeStamp(Date) may
expose internal representation by storing an externally mutable object into DataCounts.earliestRecordTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:396 *****
Primary Bug Location
At DataCounts.java:[line 396]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:406

ID: 11555 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

```
org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.getLatestRecordTimeStamp() may expose
internal representation by returning DataCounts.latestRecordTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:406 *****
Primary Bug Location
At DataCounts.java:[line 406]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:410

ID: 11542 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

```
org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.setLatestRecordTimeStamp(Date) may
expose internal representation by storing an externally mutable object into DataCounts.latestRecordTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:410 *****
Primary Bug Location
At DataCounts.java:[line 410]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:417

ID: 11553 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.updateLatestRecordTimeStamp(Date) may expose internal representation by storing an externally mutable object into DataCounts.latestRecordTimeStamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:417 *****
Primary Bug Location
At DataCounts.java:[line 417]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:427

ID: 11552 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.getLastDataTimeStamp() may expose internal representation by returning DataCounts.lastDataTimeStamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:427 *****
Primary Bug Location
At DataCounts.java:[line 427]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:431

ID: 11549 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.setLastDataTimeStamp(Date) may expose internal representation by storing an externally mutable object into DataCounts.lastDataTimeStamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:431 *****
Primary Bug Location
At DataCounts.java:[line 431]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:440

ID: 11554 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.getLatestEmptyBucketTimeStamp() may expose internal representation by returning DataCounts.latestEmptyBucketTimeStamp

Bug Path:

Elasticsearch zip package - Code Dx Assessment Report

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:440 *****  
Primary Bug Location  
At DataCounts.java:[line 440]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:444

ID: 11559 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

```
org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.setLatestEmptyBucketTimeStamp  
p(Date) may expose internal representation by storing an externally mutable object into DataCounts.latestEmp  
tyBucketTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:444 *****  
Primary Bug Location  
At DataCounts.java:[line 444]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:451

ID: 11550 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

```
org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.updateLatestEmptyBucketTimeS  
tamp(Date) may expose internal representation by storing an externally mutable object into DataCounts.latestEmp  
tyBucketTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:451 *****  
Primary Bug Location  
At DataCounts.java:[line 451]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:461

ID: 11556 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

```
org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.getLatestSparseBucketTimeStamp() may  
expose internal representation by returning DataCounts.latestSparseBucketTimeStamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:461 *****  
Primary Bug Location  
At DataCounts.java:[line 461]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:465

ID: 11557 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.setLatestSparseBucketTimestamp(Date) may expose internal representation by storing an externally mutable object into DataCounts.latestSparseBucketTimestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:465 *****
Primary Bug Location
At DataCounts.java:[line 465]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:472

ID: 11561 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.DataCounts.updateLatestSparseBucketTimestamp(Date) may expose internal representation by storing an externally mutable object into DataCounts.latestSparseBucketTimestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/DataCounts.java:472 *****
Primary Bug Location
At DataCounts.java:[line 472]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java:218

ID: 4755 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSizeStats.getTimestamp() may expose internal representation by returning ModelSizeStats.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java:218 *****
Primary Bug Location
At ModelSizeStats.java:[line 218]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java:226

ID: 4754 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSizeStats.getLogTime() may expose internal representation by returning ModelSizeStats.logTime

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java:226
***** Primary Bug Location
At ModelSizeStats.java:[line 226]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java:321

ID: 4757 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSizeStats\$Builder.setTimestamp(Date) may expose internal representation by storing an externally mutable object into ModelSizeStats\$Builder.timestamp

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java:321
***** Primary Bug Location
At ModelSizeStats.java:[line 321]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java:326

ID: 4756 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSizeStats\$Builder.setLogTime(Date) may expose internal representation by storing an externally mutable object into ModelSizeStats\$Builder.logTime

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSizeStats.java:326
***** Primary Bug Location
At ModelSizeStats.java:[line 326]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:186

ID: 7514 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSnapshot.getTimestamp() may expose internal representation by returning ModelSnapshot.timestamp

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:186
***** Primary Bug Location
At ModelSnapshot.java:[line 186]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:210

ID: 7513 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSnapshot.getLatestRecordTimeStamp() may expose internal representation by returning ModelSnapshot.latestRecordTimeStamp

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:210
***** Primary Bug Location
At ModelSnapshot.java:[line 210]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:214

ID: 7507 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSnapshot.getLatestResultTimeStamp() may expose internal representation by returning ModelSnapshot.latestResultTimeStamp

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:214
***** Primary Bug Location
At ModelSnapshot.java:[line 214]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:346

ID: 7506 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSnapshot\$Builder.setTimestamp(Date) may expose internal representation by storing an externally mutable object into ModelSnapshot\$Builder.timestamp

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:346
***** Primary Bug Location
At ModelSnapshot.java:[line 346]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:376

ID: 7510 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSnapshot\$Builder.setLatestRecordTimestamp(Date) may expose internal representation by storing an externally mutable object into ModelSnapshot\$Builder.latestRecordTimeStamp

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:376
***** Primary Bug Location
At ModelSnapshot.java:[line 376]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:381
ID: 7515 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java

```
org.elasticsearch.xpack.core.ml.job.process.autodetect.state.ModelSnapshot$Builder.setLatestResultTimestamp(Date) may expose internal representation by storing an externally mutable object into ModelSnapshot$Builder.latestResultTimestamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/ModelSnapshot.java:381
***** Primary Bug Location
At ModelSnapshot.java:[line 381]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/Quantiles.java:115
ID: 19009 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/Quantiles.java

```
org.elasticsearch.xpack.core.ml.job.process.autodetect.state.Quantiles.getTimestamp() may expose internal representation by returning Quantiles.timestamp
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/state/Quantiles.java:115 *****
Primary Bug Location
At Quantiles.java:[line 115]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze (12)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/AnalyzeRequest.java:131
ID: 3246 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/AnalyzeRequest.java

```
org.elasticsearch.action.admin.indices.analyze.AnalyzeRequest.text() may expose internal representation by returning AnalyzeRequest.text
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/AnalyzeRequest.java:131 ***** Primary Bug Location
At AnalyzeRequest.java:[line 131]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/AnalyzeRequest.java:217

ID: 3245 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/AnalyzeRequest.java

org.elasticsearch.action.admin.indices.analyze.AnalyzeRequest.attributes() may expose internal representation by returning AnalyzeRequest.attributes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/AnalyzeRequest.java:217 ***** Primary Bug Location
At AnalyzeRequest.java:[line 217]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:69

ID: 15689 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

new org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse(boolean, DetailAnalyzeResponse\$AnalyzeTokenList, DetailAnalyzeResponse\$CharFilteredText[], DetailAnalyzeResponse\$AnalyzeTokenList, DetailAnalyzeResponse\$AnalyzeTokenList[]) may expose internal representation by storing an externally mutable object into DetailAnalyzeResponse.charfilters

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:69 ***** Primary Bug Location
At DetailAnalyzeResponse.java:[line 69]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:71

ID: 15696 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

new org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse(boolean, DetailAnalyzeResponse\$AnalyzeTokenList, DetailAnalyzeResponse\$CharFilteredText[], DetailAnalyzeResponse\$AnalyzeTokenList, DetailAnalyzeResponse\$AnalyzeTokenList[]) may expose internal representation by storing an externally mutable object into DetailAnalyzeResponse.tokenfilters

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:71 ***** Primary Bug Location
At DetailAnalyzeResponse.java:[line 71]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:85

ID: 15693 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse.charfilters() may expose internal representation by returning DetailAnalyzeResponse.charfilters

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:85 *****
Primary Bug Location
At DetailAnalyzeResponse.java:[line 85]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:90

ID: 15683 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse.charfilters(DetailAnalyzeResponse\$CharFilteredText[]) may expose internal representation by storing an externally mutable object into DetailAnalyzeResponse.charfilters

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:90 *****
Primary Bug Location
At DetailAnalyzeResponse.java:[line 90]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:105

ID: 15694 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse.tokenfilters() may expose internal representation by returning DetailAnalyzeResponse.tokenfilters

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:105 *****
Primary Bug Location
At DetailAnalyzeResponse.java:[line 105]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:110

ID: 15688 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse.tokenfilters(DetailAnalyzeResponse\$AnalyzeTokenList[]) may expose internal representation by storing an externally mutable object into DetailAnalyzeResponse.tokenfilters

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:110 *****
Primary Bug Location
At DetailAnalyzeResponse.java:[line 110]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:279

ID: 15681 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

```
new org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse$AnalyzeTokenList(String,
AnalyzeResponse$AnalyzeToken[]) may expose internal representation by storing an externally mutable object into
DetailAnalyzeResponse$AnalyzeTokenList.tokens
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:279 *****
Primary Bug Location
At DetailAnalyzeResponse.java:[line 279]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:287

ID: 15686 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

```
org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse$AnalyzeTokenList.getTokens() may expose
internal representation by returning DetailAnalyzeResponse$AnalyzeTokenList.tokens
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:287 *****
Primary Bug Location
At DetailAnalyzeResponse.java:[line 287]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:364

ID: 15690 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

```
new org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse$CharFilteredText(String, String[])
may expose internal representation by storing an externally mutable object into DetailAnalyzeResponse
$CharFilteredText.texts
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:364 *****
Primary Bug Location
At DetailAnalyzeResponse.java:[line 364]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:375

ID: 15682 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java

org.elasticsearch.action.admin.indices.analyze.DetailAnalyzeResponse\$CharFilteredText.getTexts() may expose internal representation by returning DetailAnalyzeResponse\$CharFilteredText.texts

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/analyze/DetailAnalyzeResponse.java:375 *****
Primary Bug Location
At DetailAnalyzeResponse.java:[line 375]

Path: elasticsearch-6.5.1/org/elasticsearch/index/query (12)

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/IdsQueryBuilder.java:98

ID: 5790 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/IdsQueryBuilder.java

org.elasticsearch.index.query.IdsQueryBuilder.types() may expose internal representation by returning IdsQueryBuilder.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/IdsQueryBuilder.java:98 ***** Primary Bug Location
At IdsQueryBuilder.java:[line 98]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:288

ID: 7171 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java

org.elasticsearch.index.query.MoreLikeThisQueryBuilder\$Item.fields() may expose internal representation by returning MoreLikeThisQueryBuilder\$Item.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:288 ***** Primary Bug Location
At MoreLikeThisQueryBuilder.java:[line 288]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:511

ID: 7175 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java

new org.elasticsearch.index.query.MoreLikeThisQueryBuilder(String[], String[], MoreLikeThisQueryBuilder\$Item[]) may expose internal representation by storing an externally mutable object into MoreLikeThisQueryBuilder.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:511 ***** Primary Bug
Location
At MoreLikeThisQueryBuilder.java:[line 511]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:562

ID: 7179 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java

org.elasticsearch.index.query.MoreLikeThisQueryBuilder.fields() may expose internal representation by returning MoreLikeThisQueryBuilder.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:562 ***** Primary Bug
Location
At MoreLikeThisQueryBuilder.java:[line 562]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:566

ID: 7166 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java

org.elasticsearch.index.query.MoreLikeThisQueryBuilder.likeTexts() may expose internal representation by returning MoreLikeThisQueryBuilder.likeTexts

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:566 ***** Primary Bug
Location
At MoreLikeThisQueryBuilder.java:[line 566]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:570

ID: 7172 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java

org.elasticsearch.index.query.MoreLikeThisQueryBuilder.likeItems() may expose internal representation by returning MoreLikeThisQueryBuilder.likeItems

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:570 ***** Primary Bug
Location
At MoreLikeThisQueryBuilder.java:[line 570]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:582

ID: 7173 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java

org.elasticsearch.index.query.MoreLikeThisQueryBuilder.unlikeTexts() may expose internal representation by returning MoreLikeThisQueryBuilder.unlikeTexts

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:582 ***** Primary Bug Location
At MoreLikeThisQueryBuilder.java:[line 582]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:594

ID: 7167 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java

org.elasticsearch.index.query.MoreLikeThisQueryBuilder.unlikeItems() may expose internal representation by returning MoreLikeThisQueryBuilder.unlikeItems

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:594 ***** Primary Bug Location
At MoreLikeThisQueryBuilder.java:[line 594]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:696

ID: 7176 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java

org.elasticsearch.index.query.MoreLikeThisQueryBuilder.stopWords() may expose internal representation by returning MoreLikeThisQueryBuilder.stopWords

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/MoreLikeThisQueryBuilder.java:696 ***** Primary Bug Location
At MoreLikeThisQueryBuilder.java:[line 696]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/QueryShardContext.java:92

ID: 23547 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/QueryShardContext.java

org.elasticsearch.index.query.QueryShardContext.getTypes() may expose internal representation by returning QueryShardContext.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/QueryShardContext.java:92 ***** Primary Bug Location
At QueryShardContext.java:[line 92]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/WrapperQueryBuilder.java:67

ID: 11286 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/WrapperQueryBuilder.java

new org.elasticsearch.index.query.WrapperQueryBuilder(byte[]) may expose internal representation by storing an externally mutable object into WrapperQueryBuilder.source

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/WrapperQueryBuilder.java:67 ***** Primary Bug Location
At WrapperQueryBuilder.java:[line 67]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/WrapperQueryBuilder.java:104

ID: 11285 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/WrapperQueryBuilder.java

org.elasticsearch.index.query.WrapperQueryBuilder.source() may expose internal representation by returning WrapperQueryBuilder.source

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/WrapperQueryBuilder.java:104 ***** Primary Bug Location
At WrapperQueryBuilder.java:[line 104]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support (12)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/DayTimes.java:50

ID: 10941 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/DayTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.DayTimes.hour() may expose internal representation by returning DayTimes.hour

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/DayTimes.java:50 ***** Primary Bug Location
At DayTimes.java:[line 50]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/DayTimes.java:54

ID: 10933 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/DayTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.DayTimes.minute() may expose internal representation by returning DayTimes.minute

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/DayTimes.java:54 *****
Primary Bug Location
At DayTimes.java:[line 54]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java:29

ID: 20843 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.MonthTimes.DEFAULT_DAYS should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java:29 *****
Primary Bug Location
At MonthTimes.java:[line 29]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java:30

ID: 20841 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.MonthTimes.DEFAULT_TIMES should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java:30 *****
Primary Bug Location
At MonthTimes.java:[line 30]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java:58

ID: 20844 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.MonthTimes.days() may expose internal representation by returning MonthTimes.days

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java:58 *****
Primary Bug Location

At MonthTimes.java:[line 58]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java:62

ID: 20839 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.MonthTimes.times() may expose internal representation by returning MonthTimes.times

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/MonthTimes.java:62 *****
Primary Bug Location
At MonthTimes.java:[line 62]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/WeekTimes.java:25

ID: 14776 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/WeekTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.WeekTimes.DEFAULT_TIMES should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/WeekTimes.java:25 *****
Primary Bug Location
At WeekTimes.java:[line 25]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/WeekTimes.java:52

ID: 14775 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/WeekTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.WeekTimes.times() may expose internal representation by returning WeekTimes.times

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/WeekTimes.java:52 *****
Primary Bug Location
At WeekTimes.java:[line 52]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java:29

ID: 12003 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.YearTimes.DEFAULT_DAYS should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java:29 *****
Primary Bug Location
At YearTimes.java:[line 29]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java:30

ID: 12004 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.YearTimes.DEFAULT_TIMES should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java:30 *****
Primary Bug Location
At YearTimes.java:[line 30]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java:64

ID: 12005 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.YearTimes.days() may expose internal representation by returning YearTimes.days

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java:64 *****
Primary Bug Location
At YearTimes.java:[line 64]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java:68

ID: 12006 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java

org.elasticsearch.xpack.watcher.trigger.schedule.support.YearTimes.times() may expose internal representation by returning YearTimes.times

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/support/YearTimes.java:68 *****
Primary Bug Location
At YearTimes.java:[line 68]

Path: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight (11)

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java:236

ID: 13505 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java

org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.preTags() may expose internal representation by returning AbstractHighlighterBuilder.preTags

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java:236
***** Primary Bug Location
At AbstractHighlighterBuilder.java:[line 236]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java:252

ID: 13506 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java

org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.postTags() may expose internal representation by returning AbstractHighlighterBuilder.postTags

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java:252
***** Primary Bug Location
At AbstractHighlighterBuilder.java:[line 252]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java:436

ID: 13507 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java

org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.boundaryChars(char[]) may expose internal representation by storing an externally mutable object into AbstractHighlighterBuilder.boundaryChars

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java:436
***** Primary Bug Location
At AbstractHighlighterBuilder.java:[line 436]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java:444

ID: 13508 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java

org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.boundaryChars() may expose internal representation by returning AbstractHighlighterBuilder.boundaryChars

Bug Path:

Elasticsearch zip package - Code Dx Assessment Report

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/AbstractHighlighterBuilder.java:444
***** Primary Bug Location
At AbstractHighlighterBuilder.java:[line 444]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightBuilder.java:83
ID: 12112 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightBuilder.java

```
org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder.DEFAULT_STYLED_PRE_TAG should be
package protected
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightBuilder.java:83 ***** Primary
Bug Location
At HighlightBuilder.java:[line 83]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightBuilder.java:90
ID: 12115 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightBuilder.java

```
org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder.DEFAULT_STYLED_POST_TAGS should be
package protected
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightBuilder.java:90 ***** Primary
Bug Location
At HighlightBuilder.java:[line 90]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightField.java:53
ID: 9420 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightField.java

```
new org.elasticsearch.search.fetch.subphase.highlight.HighlightField(String, Text[]) may expose internal
representation by storing an externally mutable object into HighlightField.fragments
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightField.java:53 ***** Primary
Bug Location
At HighlightField.java:[line 53]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightField.java:74
ID: 9419 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightField.java

org.elasticsearch.search.fetch.subphase.highlight.HighlightField.fragments() may expose internal representation by returning HighlightField.fragments

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/HighlightField.java:74 ***** Primary Bug Location
At HighlightField.java:[line 74]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/SearchContextHighlight.java:150

ID: 3586 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/SearchContextHighlight.java

org.elasticsearch.search.fetch.subphase.highlight.SearchContextHighlight\$FieldOptions.preTags() may expose internal representation by returning SearchContextHighlight\$FieldOptions.preTags

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/SearchContextHighlight.java:150 ***** Primary Bug Location
At SearchContextHighlight.java:[line 150]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/SearchContextHighlight.java:154

ID: 3585 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/SearchContextHighlight.java

org.elasticsearch.search.fetch.subphase.highlight.SearchContextHighlight\$FieldOptions.postTags() may expose internal representation by returning SearchContextHighlight\$FieldOptions.postTags

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/SearchContextHighlight.java:154 ***** Primary Bug Location
At SearchContextHighlight.java:[line 154]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/SearchContextHighlight.java:186

ID: 3584 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/SearchContextHighlight.java

org.elasticsearch.search.fetch.subphase.highlight.SearchContextHighlight\$FieldOptions.boundaryChars() may expose internal representation by returning SearchContextHighlight\$FieldOptions.boundaryChars

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/highlight/SearchContextHighlight.java:186 ***** Primary Bug Location

At SearchContextHighlight.java:[line 186]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule (11)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/CronnableSchedule.java:44

ID: 15274 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/CronnableSchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.CronnableSchedule.crons() may expose internal representation by returning CronnableSchedule.crons

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/CronnableSchedule.java:44 *****
Primary Bug Location
At CronnableSchedule.java:[line 44]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/DailySchedule.java:24

ID: 24268 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/DailySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.DailySchedule.DEFAULT_TIMES should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/DailySchedule.java:24 ***** Primary Bug Location
At DailySchedule.java:[line 24]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/DailySchedule.java:43

ID: 24267 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/DailySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.DailySchedule.times() may expose internal representation by returning DailySchedule.times

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/DailySchedule.java:43 ***** Primary Bug Location
At DailySchedule.java:[line 43]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/HourlySchedule.java:27

ID: 829 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/HourlySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.HourlySchedule.DEFAULT_MINUTES should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/HourlySchedule.java:27 ***** Primary
Bug Location
At HourlySchedule.java:[line 27]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/HourlySchedule.java:46

ID: 828 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/HourlySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.HourlySchedule.minutes() may expose internal representation by returning HourlySchedule.minutes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/HourlySchedule.java:46 ***** Primary
Bug Location
At HourlySchedule.java:[line 46]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/MonthlySchedule.java:23

ID: 17477 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/MonthlySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.MonthlySchedule.DEFAULT_TIMES should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/MonthlySchedule.java:23 ***** Primary
Bug Location
At MonthlySchedule.java:[line 23]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/MonthlySchedule.java:42

ID: 17476 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/MonthlySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.MonthlySchedule.times() may expose internal representation by returning MonthlySchedule.times

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/MonthlySchedule.java:42 ***** Primary
Bug Location
At MonthlySchedule.java:[line 42]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/WeeklySchedule.java:23

ID: 5442 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/WeeklySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.WeeklySchedule.DEFAULT_TIMES should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/WeeklySchedule.java:23 ***** Primary
Bug Location
At WeeklySchedule.java:[line 23]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/WeeklySchedule.java:42

ID: 5441 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/WeeklySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.WeeklySchedule.times() may expose internal representation by returning WeeklySchedule.times

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/WeeklySchedule.java:42 ***** Primary
Bug Location
At WeeklySchedule.java:[line 42]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/YearlySchedule.java:23

ID: 8010 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/YearlySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.YearlySchedule.DEFAULT_TIMES should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/YearlySchedule.java:23 ***** Primary
Bug Location
At YearlySchedule.java:[line 23]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/YearlySchedule.java:42

ID: 8009 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/YearlySchedule.java

org.elasticsearch.xpack.watcher.trigger.schedule.YearlySchedule.times() may expose internal representation by returning YearlySchedule.times

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/trigger/schedule/YearlySchedule.java:42 ***** Primary
Bug Location
At YearlySchedule.java:[line 42]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user (10)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/ChangePasswordRequest.java:52

ID: 21443 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/ChangePasswordRequest.java

org.elasticsearch.xpack.core.security.action.user.ChangePasswordRequest.passwordHash() may expose internal representation by returning ChangePasswordRequest.passwordHash

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/ChangePasswordRequest.java:52
***** Primary Bug Location
At ChangePasswordRequest.java:[line 52]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/ChangePasswordRequest.java:56

ID: 21444 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/ChangePasswordRequest.java

org.elasticsearch.xpack.core.security.action.user.ChangePasswordRequest.passwordHash(char[]) may expose internal representation by storing an externally mutable object into ChangePasswordRequest.passwordHash

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/ChangePasswordRequest.java:56
***** Primary Bug Location
At ChangePasswordRequest.java:[line 56]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/GetUsersRequest.java:44

ID: 15909 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/GetUsersRequest.java

org.elasticsearch.xpack.core.security.action.user.GetUsersRequest.usernames() may expose internal representation by returning GetUsersRequest.usernames

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/GetUsersRequest.java:44 *****
Primary Bug Location
At GetUsersRequest.java:[line 44]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/GetUsersResponse.java:32

ID: 5957 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/GetUsersResponse.java

org.elasticsearch.xpack.core.security.action.user.GetUsersResponse.users() may expose internal representation by returning GetUsersResponse.users

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/GetUsersResponse.java:32 *****
Primary Bug Location
At GetUsersResponse.java:[line 32]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/HasPrivilegesRequest.java:79

ID: 14034 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/HasPrivilegesRequest.java

org.elasticsearch.xpack.core.security.action.user.HasPrivilegesRequest.indexPrivileges() may expose internal representation by returning HasPrivilegesRequest.indexPrivileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/HasPrivilegesRequest.java:79 *****
Primary Bug Location
At HasPrivilegesRequest.java:[line 79]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/HasPrivilegesRequest.java:83

ID: 14033 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/HasPrivilegesRequest.java

org.elasticsearch.xpack.core.security.action.user.HasPrivilegesRequest.clusterPrivileges() may expose internal representation by returning HasPrivilegesRequest.clusterPrivileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/HasPrivilegesRequest.java:83 *****
Primary Bug Location
At HasPrivilegesRequest.java:[line 83]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/HasPrivilegesRequest.java:87

ID: 14032 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/HasPrivilegesRequest.java

org.elasticsearch.xpack.core.security.action.user.HasPrivilegesRequest.applicationPrivileges() may expose internal representation by returning HasPrivilegesRequest.applicationPrivileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/HasPrivilegesRequest.java:87 *****
Primary Bug Location

At HasPrivilegesRequest.java:[line 87]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/PutUserRequest.java:78

ID: 8093 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/PutUserRequest.java

org.elasticsearch.xpack.core.security.action.user.PutUserRequest.passwordHash(char[]) may expose internal representation by storing an externally mutable object into PutUserRequest.passwordHash

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/PutUserRequest.java:78 ***** Primary Bug Location
At PutUserRequest.java:[line 78]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/PutUserRequest.java:105

ID: 8092 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/PutUserRequest.java

org.elasticsearch.xpack.core.security.action.user.PutUserRequest.roles() may expose internal representation by returning PutUserRequest.roles

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/PutUserRequest.java:105 ***** Primary Bug Location
At PutUserRequest.java:[line 105]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/PutUserRequest.java:122

ID: 8091 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/PutUserRequest.java

org.elasticsearch.xpack.core.security.action.user.PutUserRequest.passwordHash() may expose internal representation by returning PutUserRequest.passwordHash

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/user/PutUserRequest.java:122 ***** Primary Bug Location
At PutUserRequest.java:[line 122]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email (10)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/Attachment.java:128

ID: 17411 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/Attachment.java

new org.elasticsearch.xpack.watcher.notification.email.Attachment\$Bytes(String, String, byte[], String, boolean) may expose internal representation by storing an externally mutable object into Attachment\$Bytes.bytes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/Attachment.java:128 ***** Primary
Bug Location
At Attachment.java:[line 128]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/Attachment.java:136

ID: 17408 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/Attachment.java

org.elasticsearch.xpack.watcher.notification.email.Attachment\$Bytes.bytes() may expose internal representation by returning Attachment\$Bytes.bytes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/Attachment.java:136 ***** Primary
Bug Location
At Attachment.java:[line 136]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:39

ID: 21860 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java

new org.elasticsearch.xpack.watcher.notification.email.EmailTemplate(TextTemplate, TextTemplate[], TextTemplate, TextTemplate[], TextTemplate[], TextTemplate[], TextTemplate, TextTemplate, TextTemplate) may expose internal representation by storing an externally mutable object into EmailTemplate.replyTo

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:39 ***** Primary
Bug Location
At EmailTemplate.java:[line 39]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:41

ID: 21855 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java

new org.elasticsearch.xpack.watcher.notification.email.EmailTemplate(TextTemplate, TextTemplate[], TextTemplate, TextTemplate[], TextTemplate[], TextTemplate[], TextTemplate, TextTemplate, TextTemplate) may expose internal representation by storing an externally mutable object into EmailTemplate.to

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:41 ***** Primary
Bug Location
At EmailTemplate.java:[line 41]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:42

ID: 21858 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java

new org.elasticsearch.xpack.watcher.notification.email.EmailTemplate(TextTemplate, TextTemplate[], TextTemplate, TextTemplate[], TextTemplate[], TextTemplate[], TextTemplate, TextTemplate, TextTemplate) may expose internal representation by storing an externally mutable object into EmailTemplate.cc

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:42 ***** Primary
Bug Location
At EmailTemplate.java:[line 42]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:43

ID: 21856 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java

new org.elasticsearch.xpack.watcher.notification.email.EmailTemplate(TextTemplate, TextTemplate[], TextTemplate, TextTemplate[], TextTemplate[], TextTemplate[], TextTemplate, TextTemplate, TextTemplate) may expose internal representation by storing an externally mutable object into EmailTemplate.bcc

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:43 ***** Primary
Bug Location
At EmailTemplate.java:[line 43]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:54

ID: 21854 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java

org.elasticsearch.xpack.watcher.notification.email.EmailTemplate.replyTo() may expose internal representation by returning EmailTemplate.replyTo

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:54 ***** Primary
Bug Location
At EmailTemplate.java:[line 54]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:62

ID: 21861 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java

org.elasticsearch.xpack.watcher.notification.email.EmailTemplate.to() may expose internal representation by returning EmailTemplate.to

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:62 ***** Primary Bug Location
At EmailTemplate.java:[line 62]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:66

ID: 21859 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java

org.elasticsearch.xpack.watcher.notification.email.EmailTemplate.cc() may expose internal representation by returning EmailTemplate.cc

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:66 ***** Primary Bug Location
At EmailTemplate.java:[line 66]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:70

ID: 21857 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java

org.elasticsearch.xpack.watcher.notification.email.EmailTemplate.bcc() may expose internal representation by returning EmailTemplate.bcc

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/EmailTemplate.java:70 ***** Primary Bug Location
At EmailTemplate.java:[line 70]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message (10)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/Attachment.java:53

ID: 23019 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/Attachment.java

```
new org.elasticsearch.xpack.watcher.notification.slack.message.Attachment(String, String, String, String, String,
String, String, String, String, Field[], String, String, String[], List) may expose internal representation by storing an
externally mutable object into Attachment.fields
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/Attachment.java:53 *****
Primary Bug Location
At Attachment.java:[line 53]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/Attachment.java:56

ID: 23020 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/Attachment.java

```
new org.elasticsearch.xpack.watcher.notification.slack.message.Attachment(String, String, String, String, String,
String, String, String, String, Field[], String, String, String[], List) may expose internal representation by storing an
externally mutable object into Attachment.markdownSupportedFields
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/Attachment.java:56 *****
Primary Bug Location
At Attachment.java:[line 56]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:39

ID: 22410 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java

```
new org.elasticsearch.xpack.watcher.notification.slack.message.SlackMessage(String, String[], String, String,
Attachment[]) may expose internal representation by storing an externally mutable object into SlackMessage.to
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:39 *****
Primary Bug Location
At SlackMessage.java:[line 39]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:42

ID: 22413 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java

```
new org.elasticsearch.xpack.watcher.notification.slack.message.SlackMessage(String, String[], String, String,
Attachment[]) may expose internal representation by storing an externally mutable object into SlackMessage.attachm
ents
```

Bug Path:

Elasticsearch zip package - Code Dx Assessment Report

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:42 *****
Primary Bug Location
At SlackMessage.java:[line 42]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:50

ID: 22414 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java

```
org.elasticsearch.xpack.watcher.notification.slack.message.SlackMessage.getTo() may expose internal
representation by returning SlackMessage.to
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:50 *****
Primary Bug Location
At SlackMessage.java:[line 50]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:62

ID: 22415 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java

```
org.elasticsearch.xpack.watcher.notification.slack.message.SlackMessage.getAttachments() may expose internal
representation by returning SlackMessage.attachments
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:62 *****
Primary Bug Location
At SlackMessage.java:[line 62]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:132

ID: 22408 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java

```
new org.elasticsearch.xpack.watcher.notification.slack.message.SlackMessage$Template(TextTemplate,
TextTemplate[], TextTemplate, TextTemplate, Attachment$Template[], DynamicAttachments) may expose internal
representation by storing an externally mutable object into SlackMessage$Template.to
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:132
***** Primary Bug Location
At SlackMessage.java:[line 132]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:135

ID: 22411 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java

new org.elasticsearch.xpack.watcher.notification.slack.message.SlackMessage\$Template(TextTemplate, TextTemplate[], TextTemplate, TextTemplate, Attachment\$Template[], DynamicAttachments) may expose internal representation by storing an externally mutable object into SlackMessage\$Template.attachments

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:135
***** Primary Bug Location
At SlackMessage.java:[line 135]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:144

ID: 22412 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java

org.elasticsearch.xpack.watcher.notification.slack.message.SlackMessage\$Template.getTo() may expose internal representation by returning SlackMessage\$Template.to

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:144
***** Primary Bug Location
At SlackMessage.java:[line 144]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:156

ID: 22409 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java

org.elasticsearch.xpack.watcher.notification.slack.message.SlackMessage\$Template.getAttachments() may expose internal representation by returning SlackMessage\$Template.attachments

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/slack/message/SlackMessage.java:156
***** Primary Bug Location
At SlackMessage.java:[line 156]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats (9)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java:130

ID: 12890 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java

org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.types() may expose internal representation by returning CommonStatsFlags.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java:130 ***** Primary
Bug Location
At CommonStatsFlags.java:[line 130]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java:143

ID: 12888 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java

org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.groups() may expose internal representation by returning CommonStatsFlags.groups

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java:143 ***** Primary
Bug Location
At CommonStatsFlags.java:[line 143]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java:156

ID: 12889 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java

org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.fieldDataFields() may expose internal representation by returning CommonStatsFlags.fieldDataFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java:156 ***** Primary
Bug Location
At CommonStatsFlags.java:[line 156]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java:165

ID: 12891 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java

org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.completionDataFields() may expose internal representation by returning CommonStatsFlags.completionDataFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/CommonStatsFlags.java:165 ***** Primary
Bug Location
At CommonStatsFlags.java:[line 165]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexShardStats.java:41

ID: 12885 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexShardStats.java

new org.elasticsearch.action.admin.indices.stats.IndexShardStats(ShardId, ShardStats[]) may expose internal representation by storing an externally mutable object into IndexShardStats.shards

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexShardStats.java:41 ***** Primary Bug Location
At IndexShardStats.java:[line 41]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexShardStats.java:49

ID: 12884 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexShardStats.java

org.elasticsearch.action.admin.indices.stats.IndexShardStats.getShards() may expose internal representation by returning IndexShardStats.shards

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexShardStats.java:49 ***** Primary Bug Location
At IndexShardStats.java:[line 49]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexStats.java:39

ID: 23612 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexStats.java

new org.elasticsearch.action.admin.indices.stats.IndexStats(String, String, ShardStats[]) may expose internal representation by storing an externally mutable object into IndexStats.shards

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexStats.java:39 ***** Primary Bug Location
At IndexStats.java:[line 39]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexStats.java:51

ID: 23611 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexStats.java

org.elasticsearch.action.admin.indices.stats.IndexStats.getShards() may expose internal representation by returning IndexStats.shards

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndexStats.java:51 ***** Primary Bug Location
At IndexStats.java:[line 51]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndicesStatsResponse.java:69

ID: 17347 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndicesStatsResponse.java

org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse.getShards() may expose internal representation by returning IndicesStatsResponse.shards

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/stats/IndicesStatsResponse.java:69 ***** Primary Bug Location
At IndicesStatsResponse.java:[line 69]

Path: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps (9)

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:91

ID: 5030 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java

new org.elasticsearch.action.fieldcaps.FieldCapabilities(String, String, boolean, boolean, String[], String[], String[]) may expose internal representation by storing an externally mutable object into FieldCapabilities.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:91 ***** Primary Bug Location
At FieldCapabilities.java:[line 91]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:92

ID: 5032 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java

new org.elasticsearch.action.fieldcaps.FieldCapabilities(String, String, boolean, boolean, String[], String[], String[]) may expose internal representation by storing an externally mutable object into FieldCapabilities.noSearchableIndices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:92 ***** Primary Bug Location
At FieldCapabilities.java:[line 92]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:93

ID: 5025 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java

```
new org.elasticsearch.action.fieldcaps.FieldCapabilities(String, String, boolean, boolean, String[], String[],
String[]) may expose internal representation by storing an externally mutable object into FieldCapabilities.no
nAggregatableIndices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:93 ***** Primary Bug Location
At FieldCapabilities.java:[line 93]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:194

ID: 5031 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java

```
org.elasticsearch.action.fieldcaps.FieldCapabilities.indices() may expose internal representation by returning
FieldCapabilities.indices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:194 ***** Primary Bug Location
At FieldCapabilities.java:[line 194]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:202

ID: 5024 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java

```
org.elasticsearch.action.fieldcaps.FieldCapabilities.nonSearchableIndices() may expose internal representation by
returning FieldCapabilities.nonSearchableIndices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:202 ***** Primary Bug Location
At FieldCapabilities.java:[line 202]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:210

ID: 5021 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java

```
org.elasticsearch.action.fieldcaps.FieldCapabilities.nonAggregatableIndices() may expose internal representation by
returning FieldCapabilities.nonAggregatableIndices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilities.java:210 ***** Primary Bug Location
```

At FieldCapabilities.java:[line 210]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilitiesIndexRequest.java:53

ID: 6048 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilitiesIndexRequest.java

org.elasticsearch.action.fieldcaps.FieldCapabilitiesIndexRequest.fields() may expose internal representation by returning FieldCapabilitiesIndexRequest.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilitiesIndexRequest.java:53 ***** Primary Bug Location
At FieldCapabilitiesIndexRequest.java:[line 53]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilitiesRequest.java:122

ID: 2446 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilitiesRequest.java

org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest.fields() may expose internal representation by returning FieldCapabilitiesRequest.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilitiesRequest.java:122 ***** Primary Bug Location
At FieldCapabilitiesRequest.java:[line 122]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilitiesRequest.java:140

ID: 2447 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilitiesRequest.java

org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest.indices() may expose internal representation by returning FieldCapabilitiesRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/fieldcaps/FieldCapabilitiesRequest.java:140 ***** Primary Bug Location
At FieldCapabilitiesRequest.java:[line 140]

Path: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search (9)

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:78

ID: 12041 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java

new org.elasticsearch.common.lucene.search.MoreLikeThisQuery(String, String[], Analyzer) may expose internal representation by storing an externally mutable object into MoreLikeThisQuery.moreLikeFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:78 ***** Primary Bug
Location
At MoreLikeThisQuery.java:[line 78]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:224

ID: 12037 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java

org.elasticsearch.common.lucene.search.MoreLikeThisQuery.getLikeTexts() may expose internal representation by returning MoreLikeThisQuery.likeText

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:224 ***** Primary
Bug Location
At MoreLikeThisQuery.java:[line 224]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:232

ID: 12045 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java

org.elasticsearch.common.lucene.search.MoreLikeThisQuery.getLikeFields() may expose internal representation by returning MoreLikeThisQuery.likeFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:232 ***** Primary
Bug Location
At MoreLikeThisQuery.java:[line 232]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:248

ID: 12040 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java

org.elasticsearch.common.lucene.search.MoreLikeThisQuery.setUnlikeText(String[]) may expose internal representation by storing an externally mutable object into MoreLikeThisQuery.unlikeText

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:248 ***** Primary
Bug Location

At MoreLikeThisQuery.java:[line 248]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:252

ID: 12039 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java

org.elasticsearch.common.lucene.search.MoreLikeThisQuery.getMoreLikeFields() may expose internal representation by returning MoreLikeThisQuery.moreLikeFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:252 ***** Primary Bug Location
At MoreLikeThisQuery.java:[line 252]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:256

ID: 12043 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java

org.elasticsearch.common.lucene.search.MoreLikeThisQuery.setMoreLikeFields(String[]) may expose internal representation by storing an externally mutable object into MoreLikeThisQuery.moreLikeFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/MoreLikeThisQuery.java:256 ***** Primary Bug Location
At MoreLikeThisQuery.java:[line 256]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/XMoreLikeThis.java:207

ID: 7197 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/XMoreLikeThis.java

org.elasticsearch.common.lucene.search.XMoreLikeThis.DEFAULT_FIELD_NAMES should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/XMoreLikeThis.java:207 ***** Primary Bug Location
At XMoreLikeThis.java:[line 207]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/XMoreLikeThis.java:490

ID: 7196 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/XMoreLikeThis.java

org.elasticsearch.common.lucene.search.XMoreLikeThis.getFieldNames() may expose internal representation by returning XMoreLikeThis.fieldNames

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/XMoreLikeThis.java:490 ***** Primary Bug Location
At XMoreLikeThis.java:[line 490]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/XMoreLikeThis.java:502

ID: 7193 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/XMoreLikeThis.java

org.elasticsearch.common.lucene.search.XMoreLikeThis.setFieldNames(String[]) may expose internal representation by storing an externally mutable object into XMoreLikeThis.fieldNames

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/XMoreLikeThis.java:502 ***** Primary Bug Location
At XMoreLikeThis.java:[line 502]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results (9)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/AnomalyRecord.java:388

ID: 3002 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/AnomalyRecord.java

org.elasticsearch.xpack.core.ml.job.results.AnomalyRecord.getTimestamp() may expose internal representation by returning AnomalyRecord.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/AnomalyRecord.java:388 ***** Primary Bug Location
At AnomalyRecord.java:[line 388]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Bucket.java:229

ID: 22509 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Bucket.java

org.elasticsearch.xpack.core.ml.job.results.Bucket.getTimestamp() may expose internal representation by returning Bucket.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Bucket.java:229 ***** Primary Bug Location
At Bucket.java:[line 229]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/BucketInfluencer.java:203

ID: 22962 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/BucketInfluencer.java

org.elasticsearch.xpack.core.ml.job.results.BucketInfluencer.getTimestamp() may expose internal representation by returning BucketInfluencer.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/BucketInfluencer.java:203 ***** Primary Bug Location
At BucketInfluencer.java:[line 203]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Forecast.java:87

ID: 14575 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Forecast.java

new org.elasticsearch.xpack.core.ml.job.results.Forecast(String, String, Date, long, int) may expose internal representation by storing an externally mutable object into Forecast.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Forecast.java:87 ***** Primary Bug Location
At Forecast.java:[line 87]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Forecast.java:177

ID: 14574 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Forecast.java

org.elasticsearch.xpack.core.ml.job.results.Forecast.getTimestamp() may expose internal representation by returning Forecast.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Forecast.java:177 ***** Primary Bug Location
At Forecast.java:[line 177]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Influencer.java:158

ID: 4611 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Influencer.java

org.elasticsearch.xpack.core.ml.job.results.Influencer.getTimestamp() may expose internal representation by returning Influencer.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/Influencer.java:158 ***** Primary Bug
Location
At Influencer.java:[line 158]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/ModelPlot.java:97

ID: 8605 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/ModelPlot.java

new org.elasticsearch.xpack.core.ml.job.results.ModelPlot(String, Date, long, int) may expose internal representation by storing an externally mutable object into ModelPlot.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/ModelPlot.java:97 ***** Primary Bug
Location
At ModelPlot.java:[line 97]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/ModelPlot.java:249

ID: 8604 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/ModelPlot.java

org.elasticsearch.xpack.core.ml.job.results.ModelPlot.getTimestamp() may expose internal representation by returning ModelPlot.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/ModelPlot.java:249 ***** Primary Bug
Location
At ModelPlot.java:[line 249]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/OverallBucket.java:84

ID: 12338 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/OverallBucket.java

org.elasticsearch.xpack.core.ml.job.results.OverallBucket.getTimestamp() may expose internal representation by returning OverallBucket.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/OverallBucket.java:84 ***** Primary Bug
Location
At OverallBucket.java:[line 84]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz (9)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:122

ID: 23947 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java

org.elasticsearch.xpack.core.security.authz.RoleDescriptor.getConditionalClusterPrivileges() may expose internal representation by returning RoleDescriptor.conditionalClusterPrivileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:122 ***** Primary Bug
Location
At RoleDescriptor.java:[line 122]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:126

ID: 23938 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java

org.elasticsearch.xpack.core.security.authz.RoleDescriptor.getIndicesPrivileges() may expose internal representation by returning RoleDescriptor.indicesPrivileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:126 ***** Primary Bug
Location
At RoleDescriptor.java:[line 126]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:130

ID: 23953 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java

org.elasticsearch.xpack.core.security.authz.RoleDescriptor.getApplicationPrivileges() may expose internal representation by returning RoleDescriptor.applicationPrivileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:130 ***** Primary Bug
Location
At RoleDescriptor.java:[line 130]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:626

ID: 23937 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java

org.elasticsearch.xpack.core.security.authz.RoleDescriptor\$IndicesPrivileges.getIndices() may expose internal representation by returning RoleDescriptor\$IndicesPrivileges.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:626 ***** Primary Bug
Location
At RoleDescriptor.java:[line 626]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:630

ID: 23950 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java

org.elasticsearch.xpack.core.security.authz.RoleDescriptor\$IndicesPrivileges.getPrivileges() may expose internal representation by returning RoleDescriptor\$IndicesPrivileges.privileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:630 ***** Primary Bug
Location
At RoleDescriptor.java:[line 630]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:635

ID: 23932 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java

org.elasticsearch.xpack.core.security.authz.RoleDescriptor\$IndicesPrivileges.getGrantedFields() may expose internal representation by returning RoleDescriptor\$IndicesPrivileges.grantedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:635 ***** Primary Bug
Location
At RoleDescriptor.java:[line 635]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:640

ID: 23942 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java

org.elasticsearch.xpack.core.security.authz.RoleDescriptor\$IndicesPrivileges.getDeniedFields() may expose internal representation by returning RoleDescriptor\$IndicesPrivileges.deniedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:640 ***** Primary Bug
Location
At RoleDescriptor.java:[line 640]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:846

ID: 23940 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java

org.elasticsearch.xpack.core.security.authz.RoleDescriptor\$ApplicationResourcePrivileges.getResources() may expose internal representation by returning RoleDescriptor\$ApplicationResourcePrivileges.resources

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:846 ***** Primary Bug
Location
At RoleDescriptor.java:[line 846]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:850

ID: 23949 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java

org.elasticsearch.xpack.core.security.authz.RoleDescriptor\$ApplicationResourcePrivileges.getPrivileges() may expose internal representation by returning RoleDescriptor\$ApplicationResourcePrivileges.privileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/RoleDescriptor.java:850 ***** Primary Bug
Location
At RoleDescriptor.java:[line 850]

Path: elasticsearch-6.5.1/org/elasticsearch/action/search (8)

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/MultiSearchResponse.java:133

ID: 4637 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/MultiSearchResponse.java

new org.elasticsearch.action.search.MultiSearchResponse(MultiSearchResponse\$item[]) may expose internal representation by storing an externally mutable object into MultiSearchResponse.items

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/search/MultiSearchResponse.java:133 ***** Primary Bug
Location
At MultiSearchResponse.java:[line 133]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/MultiSearchResponse.java:145

ID: 4636 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/MultiSearchResponse.java

org.elasticsearch.action.search.MultiSearchResponse.getResponses() may expose internal representation by returning MultiSearchResponse.items

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/search/MultiSearchResponse.java:145 ***** Primary Bug Location
At MultiSearchResponse.java:[line 145]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchPhaseExecutionException.java:46

ID: 24385 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchPhaseExecutionException.java

new org.elasticsearch.action.search.SearchPhaseExecutionException(String, String, Throwable, ShardSearchFailure[]) may expose internal representation by storing an externally mutable object into SearchPhaseExecutionException.shardFailures

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/search/SearchPhaseExecutionException.java:46 ***** Primary Bug Location
At SearchPhaseExecutionException.java:[line 46]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchPhaseExecutionException.java:103

ID: 24383 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchPhaseExecutionException.java

org.elasticsearch.action.search.SearchPhaseExecutionException.shardFailures() may expose internal representation by returning SearchPhaseExecutionException.shardFailures

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/search/SearchPhaseExecutionException.java:103 ***** Primary Bug Location
At SearchPhaseExecutionException.java:[line 103]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchRequest.java:175

ID: 22395 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchRequest.java

org.elasticsearch.action.search.SearchRequest.types() may expose internal representation by returning SearchRequest.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/search/SearchRequest.java:175 ***** Primary Bug Location
At SearchRequest.java:[line 175]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchRequest.java:272

ID: 22394 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchRequest.java

```
org.elasticsearch.action.search.SearchRequest.indices() may expose internal representation by returning  
SearchRequest.indices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/search/SearchRequest.java:272 ***** Primary Bug Location  
At SearchRequest.java:[line 272]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchResponse.java:94

ID: 24969 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchResponse.java

```
new org.elasticsearch.action.search.SearchResponse(SearchResponseSections, String, int, int, int, long,  
ShardSearchFailure[], SearchResponse$Clusters) may expose internal representation by storing an externally  
mutable object into SearchResponse.shardFailures
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/search/SearchResponse.java:94 ***** Primary Bug Location  
At SearchResponse.java:[line 94]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchResponse.java:183

ID: 24968 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/search/SearchResponse.java

```
org.elasticsearch.action.search.SearchResponse.getShardFailures() may expose internal representation by returning  
SearchResponse.shardFailures
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/search/SearchResponse.java:183 ***** Primary Bug Location  
At SearchResponse.java:[line 183]
```

Path: elasticsearch-6.5.1/org/elasticsearch/search/internal (8)

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/AliasFilter.java:77

ID: 16597 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/AliasFilter.java

```
org.elasticsearch.search.internal.AliasFilter.getAliases() may expose internal representation by returning  
AliasFilter.aliases
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/internal/AliasFilter.java:77 ***** Primary Bug Location
```

At AliasFilter.java:[line 77]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:94

ID: 12812 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java

new org.elasticsearch.search.internal.ShardSearchLocalRequest(ShardId, String[], long, AliasFilter) may expose internal representation by storing an externally mutable object into ShardSearchLocalRequest.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:94 ***** Primary Bug Location
At ShardSearchLocalRequest.java:[line 94]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:108

ID: 12811 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java

new org.elasticsearch.search.internal.ShardSearchLocalRequest(ShardId, int, SearchType, SearchSourceBuilder, String[], Boolean, AliasFilter, float, boolean, String[], String) may expose internal representation by storing an externally mutable object into ShardSearchLocalRequest.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:108 ***** Primary Bug Location
At ShardSearchLocalRequest.java:[line 108]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:113

ID: 12809 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java

new org.elasticsearch.search.internal.ShardSearchLocalRequest(ShardId, int, SearchType, SearchSourceBuilder, String[], Boolean, AliasFilter, float, boolean, String[], String) may expose internal representation by storing an externally mutable object into ShardSearchLocalRequest.indexRoutings

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:113 ***** Primary Bug Location
At ShardSearchLocalRequest.java:[line 113]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:125

ID: 12808 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java

org.elasticsearch.search.internal.ShardSearchLocalRequest.types() may expose internal representation by returning ShardSearchLocalRequest.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:125 ***** Primary Bug Location
At ShardSearchLocalRequest.java:[line 125]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:186

ID: 12810 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java

org.elasticsearch.search.internal.ShardSearchLocalRequest.indexRoutings() may expose internal representation by returning ShardSearchLocalRequest.indexRoutings

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/internal/ShardSearchLocalRequest.java:186 ***** Primary Bug Location
At ShardSearchLocalRequest.java:[line 186]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/SubSearchContext.java:299

ID: 12515 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/SubSearchContext.java

org.elasticsearch.search.internal.SubSearchContext.docIdsToLoad() may expose internal representation by returning SubSearchContext.docIdsToLoad

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/internal/SubSearchContext.java:299 ***** Primary Bug Location
At SubSearchContext.java:[line 299]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/SubSearchContext.java:314

ID: 12516 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/internal/SubSearchContext.java

org.elasticsearch.search.internal.SubSearchContext.docIdsToLoad(int[], int, int) may expose internal representation by storing an externally mutable object into SubSearchContext.docIdsToLoad

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/internal/SubSearchContext.java:314 ***** Primary Bug
Location
At SubSearchContext.java:[line 314]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action (8)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/CloseJobAction.java:130

ID: 14530 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/CloseJobAction.java

org.elasticsearch.xpack.core.ml.action.CloseJobAction\$Request.getOpenJobIds() may expose internal representation by returning CloseJobAction\$Request.openJobIds

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/CloseJobAction.java:130 ***** Primary Bug
Location
At CloseJobAction.java:[line 130]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/CloseJobAction.java:133

ID: 14531 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/CloseJobAction.java

org.elasticsearch.xpack.core.ml.action.CloseJobAction\$Request.setOpenJobIds(String[]) may expose internal representation by storing an externally mutable object into CloseJobAction\$Request.openJobIds

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/CloseJobAction.java:133 ***** Primary Bug
Location
At CloseJobAction.java:[line 133]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FinalizeJobExecutionAction.java:44

ID: 12508 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FinalizeJobExecutionAction.java

new org.elasticsearch.xpack.core.ml.action.FinalizeJobExecutionAction\$Request(String[]) may expose internal representation by storing an externally mutable object into FinalizeJobExecutionAction\$Request.jobIds

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FinalizeJobExecutionAction.java:44 ***** Primary Bug Location
At FinalizeJobExecutionAction.java:[line 44]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FinalizeJobExecutionAction.java:51

ID: 12507 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FinalizeJobExecutionAction.java

org.elasticsearch.xpack.core.ml.action.FinalizeJobExecutionAction\$Request.getJobIds() may expose internal representation by returning FinalizeJobExecutionAction\$Request.jobIds

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FinalizeJobExecutionAction.java:51 ***** Primary Bug Location
At FinalizeJobExecutionAction.java:[line 51]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FlushJobAction.java:215

ID: 4525 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FlushJobAction.java

new org.elasticsearch.xpack.core.ml.action.FlushJobAction\$Response(boolean, Date) may expose internal representation by storing an externally mutable object into FlushJobAction\$Response.lastFinalizedBucketEnd

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FlushJobAction.java:215 ***** Primary Bug Location
At FlushJobAction.java:[line 215]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FlushJobAction.java:223

ID: 4524 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FlushJobAction.java

org.elasticsearch.xpack.core.ml.action.FlushJobAction\$Response.getLastFinalizedBucketEnd() may expose internal representation by returning FlushJobAction\$Response.lastFinalizedBucketEnd

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/FlushJobAction.java:223 ***** Primary Bug Location
At FlushJobAction.java:[line 223]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StopDatafeedAction.java:99

ID: 5954 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StopDatafeedAction.java

org.elasticsearch.xpack.core.ml.action.StopDatafeedAction\$Request.getResolvedStartedDatafeedIds() may expose internal representation by returning StopDatafeedAction\$Request.resolvedStartedDatafeedIds

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StopDatafeedAction.java:99 ***** Primary Bug Location
At StopDatafeedAction.java:[line 99]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StopDatafeedAction.java:103

ID: 5955 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StopDatafeedAction.java

org.elasticsearch.xpack.core.ml.action.StopDatafeedAction\$Request.setResolvedStartedDatafeedIds(StripeRequest) may expose internal representation by storing an externally mutable object into StopDatafeedAction\$Request.resolvedStartedDatafeedIds

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StopDatafeedAction.java:103 ***** Primary Bug Location
At StopDatafeedAction.java:[line 103]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards (7)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsGroup.java:43

ID: 10142 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsGroup.java

new org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup(ShardId, ShardRouting[]) may expose internal representation by storing an externally mutable object into ClusterSearchShardsGroup.shards

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsGroup.java:43 ***** Primary Bug Location
At ClusterSearchShardsGroup.java:[line 43]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsGroup.java:57

ID: 10141 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsGroup.java

org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup.getShards() may expose internal representation by returning ClusterSearchShardsGroup.shards

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsGroup.java:57 ***** Primary Bug Location
At ClusterSearchShardsGroup.java:[line 57]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsRequest.java:75

ID: 8530 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsRequest.java

org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsRequest.indices() may expose internal representation by returning ClusterSearchShardsRequest.indices

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsRequest.java:75
***** Primary Bug Location
At ClusterSearchShardsRequest.java:[line 75]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java:52

ID: 21715 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java

new org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse(ClusterSearchShardsGroup[], DiscoveryNode[], Map) may expose internal representation by storing an externally mutable object into ClusterSearchShardsResponse.groups

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java:52
***** Primary Bug Location
At ClusterSearchShardsResponse.java:[line 52]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java:53

ID: 21716 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java

new org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse(ClusterSearchShardsGroup[], DiscoveryNode[], Map) may expose internal representation by storing an externally mutable object into ClusterSearchShardsResponse.nodes

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java:53
***** Primary Bug Location
At ClusterSearchShardsResponse.java:[line 53]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java:58

ID: 21713 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java

org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.getGroups() may expose internal representation by returning ClusterSearchShardsResponse.groups

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java:58
***** Primary Bug Location
At ClusterSearchShardsResponse.java:[line 58]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java:62

ID: 21714 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java

org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.getNodes() may expose internal representation by returning ClusterSearchShardsResponse.nodes

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/shards/ClusterSearchShardsResponse.java:62
***** Primary Bug Location
At ClusterSearchShardsResponse.java:[line 62]
```

Path: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm (7)

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/DeadlockAnalyzer.java:133

ID: 17655 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/DeadlockAnalyzer.java

new org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock(ThreadInfo[]) may expose internal representation by storing an externally mutable object into DeadlockAnalyzer\$Deadlock.members

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/DeadlockAnalyzer.java:133 ***** Primary Bug Location
At DeadlockAnalyzer.java:[line 133]
```

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/DeadlockAnalyzer.java:151

ID: 17654 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/DeadlockAnalyzer.java

org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock.members() may expose internal representation by returning DeadlockAnalyzer\$Deadlock.members

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/DeadlockAnalyzer.java:151 ***** Primary Bug Location
At DeadlockAnalyzer.java:[line 151]
```

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmInfo.java:372

ID: 21772 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmlInfo.java

org.elasticsearch.monitor.jvm.JvmlInfo.getInputArguments() may expose internal representation by returning JvmlInfo.inputArguments

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmlInfo.java:372 ***** Primary Bug Location
At JvmlInfo.java:[line 372]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmlInfo.java:424

ID: 21774 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmlInfo.java

org.elasticsearch.monitor.jvm.JvmlInfo.getGcCollectors() may expose internal representation by returning JvmlInfo.gcCollectors

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmlInfo.java:424 ***** Primary Bug Location
At JvmlInfo.java:[line 424]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmlInfo.java:428

ID: 21770 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmlInfo.java

org.elasticsearch.monitor.jvm.JvmlInfo.getMemoryPools() may expose internal representation by returning JvmlInfo.memoryPools

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmlInfo.java:428 ***** Primary Bug Location
At JvmlInfo.java:[line 428]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmStats.java:315

ID: 18424 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmStats.java

new org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors(JvmStats\$GarbageCollector[]) may expose internal representation by storing an externally mutable object into JvmStats\$GarbageCollectors.collectors

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmStats.java:315 ***** Primary Bug Location
At JvmStats.java:[line 315]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmStats.java:328

ID: 18423 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmStats.java

org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors.getCollectors() may expose internal representation by returning JvmStats\$GarbageCollectors.collectors

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/jvm/JvmStats.java:328 ***** Primary Bug Location
At JvmStats.java:[line 328]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config (7)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Detector.java:224

ID: 23091 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Detector.java

org.elasticsearch.xpack.core.ml.job.config.Detector.PROHIBITED_FIELDNAME_CHARACTERS should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Detector.java:224 ***** Primary Bug Location
At Detector.java:[line 224]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:280

ID: 16907 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java

org.elasticsearch.xpack.core.ml.job.config.Job.getCreateTime() may expose internal representation by returning Job.createTime

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:280 ***** Primary Bug Location
At Job.java:[line 280]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:289

ID: 16906 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java

org.elasticsearch.xpack.core.ml.job.config.Job.getFinishedTime() may expose internal representation by returning Job.finishedTime

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:289 ***** Primary Bug Location
At Job.java:[line 289]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:299

ID: 16911 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java

org.elasticsearch.xpack.core.ml.job.config.Job.getLastDataTime() may expose internal representation by returning Job.lastDataTime

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:299 ***** Primary Bug Location
At Job.java:[line 299]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:765

ID: 16908 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java

org.elasticsearch.xpack.core.ml.job.config.Job\$Builder.setCreateTime(Date) may expose internal representation by storing an externally mutable object into Job\$Builder.createTime

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:765 ***** Primary Bug Location
At Job.java:[line 765]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:770

ID: 16909 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java

org.elasticsearch.xpack.core.ml.job.config.Job\$Builder.setFinishedTime(Date) may expose internal representation by storing an externally mutable object into Job\$Builder.finishedTime

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:770 ***** Primary Bug Location
At Job.java:[line 770]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:779

ID: 16910 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java

org.elasticsearch.xpack.core.ml.job.config.Job\$Builder.setLastDataTime(Date) may expose internal representation by storing an externally mutable object into Job\$Builder.lastDataTime

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/Job.java:779 ***** Primary Bug Location
At Job.java:[line 779]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role (7)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/ClearRolesCacheRequest.java:36

ID: 20560 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/ClearRolesCacheRequest.java

org.elasticsearch.xpack.core.security.action.role.ClearRolesCacheRequest.names() may expose internal representation by returning ClearRolesCacheRequest.names

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/ClearRolesCacheRequest.java:36 *****
Primary Bug Location
At ClearRolesCacheRequest.java:[line 36]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/ClearRolesCacheRequest.java:62

ID: 20561 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/ClearRolesCacheRequest.java

org.elasticsearch.xpack.core.security.action.role.ClearRolesCacheRequest\$Node.getNames() may expose internal representation by returning ClearRolesCacheRequest\$Node.names

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/ClearRolesCacheRequest.java:62 *****
Primary Bug Location
At ClearRolesCacheRequest.java:[line 62]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/GetRolesRequest.java:42

ID: 9262 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/GetRolesRequest.java

org.elasticsearch.xpack.core.security.action.role.GetRolesRequest.names() may expose internal representation by returning GetRolesRequest.names

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/GetRolesRequest.java:42 ***** Primary Bug Location

At GetRolesRequest.java:[line 42]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/GetRolesResponse.java:27

ID: 7015 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/GetRolesResponse.java

org.elasticsearch.xpack.core.security.action.role.GetRolesResponse.roles() may expose internal representation by returning GetRolesResponse.roles

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/GetRolesResponse.java:27 *****

Primary Bug Location

At GetRolesResponse.java:[line 27]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/PutRoleRequest.java:137

ID: 19275 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/PutRoleRequest.java

org.elasticsearch.xpack.core.security.action.role.PutRoleRequest.cluster() may expose internal representation by returning PutRoleRequest.clusterPrivileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/PutRoleRequest.java:137 ***** Primary

Bug Location

At PutRoleRequest.java:[line 137]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/PutRoleRequest.java:149

ID: 19276 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/PutRoleRequest.java

org.elasticsearch.xpack.core.security.action.role.PutRoleRequest.conditionalClusterPrivileges() may expose internal representation by returning PutRoleRequest.conditionalClusterPrivileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/PutRoleRequest.java:149 ***** Primary

Bug Location

At PutRoleRequest.java:[line 149]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/PutRoleRequest.java:153

ID: 19277 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/PutRoleRequest.java

org.elasticsearch.xpack.core.security.action.role.PutRoleRequest.runAs() may expose internal representation by returning PutRoleRequest.runAs

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/role/PutRoleRequest.java:153 ***** Primary Bug Location
At PutRoleRequest.java:[line 153]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission (7)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java:57
ID: 15463 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java

new org.elasticsearch.xpack.core.security.authz.permission.FieldPermissionsDefinition\$FieldGrantExcludeGroup(String[], String[]) may expose internal representation by storing an externally mutable object into FieldPermissionsDefinition\$FieldGrantExcludeGroup.grantedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java:57 ***** Primary Bug Location
At FieldPermissionsDefinition.java:[line 57]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java:58
ID: 15465 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java

new org.elasticsearch.xpack.core.security.authz.permission.FieldPermissionsDefinition\$FieldGrantExcludeGroup(String[], String[]) may expose internal representation by storing an externally mutable object into FieldPermissionsDefinition\$FieldGrantExcludeGroup.excludedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java:58 ***** Primary Bug Location
At FieldPermissionsDefinition.java:[line 58]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java:62
ID: 15467 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java

org.elasticsearch.xpack.core.security.authz.permission.FieldPermissionsDefinition\$FieldGrantExcludeGroup.getGrantedFields() may expose internal representation by returning FieldPermissionsDefinition\$FieldGrantExcludeGroup.grantedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java:62 ***** Primary Bug Location
At FieldPermissionsDefinition.java:[line 62]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java:66
ID: 15466 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java

org.elasticsearch.xpack.core.security.authz.permission.FieldPermissionsDefinition\$FieldGrantExcludeGroup.getExcludedFields() may expose internal representation by returning FieldPermissionsDefinition\$FieldGrantExcludeGroup.excludedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/FieldPermissionsDefinition.java:66 ***** Primary Bug Location
At FieldPermissionsDefinition.java:[line 66]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/IndicesPermission.java:85
ID: 20588 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/IndicesPermission.java

org.elasticsearch.xpack.core.security.authz.permission.IndicesPermission.groups() may expose internal representation by returning IndicesPermission.groups

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/IndicesPermission.java:85 ***** Primary Bug Location
At IndicesPermission.java:[line 85]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/IndicesPermission.java:228
ID: 20589 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/IndicesPermission.java

org.elasticsearch.xpack.core.security.authz.permission.IndicesPermission\$Group.indices() may expose internal representation by returning IndicesPermission\$Group.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/IndicesPermission.java:228 ***** Primary Bug Location
At IndicesPermission.java:[line 228]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/Role.java:48

ID: 14084 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/Role.java

org.elasticsearch.xpack.core.security.authz.permission.Role.names() may expose internal representation by returning Role.names

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/permission/Role.java:48 ***** Primary Bug Location
At Role.java:[line 48]

Path: elasticsearch-6.5.1/org/elasticsearch/action/bulk (6)

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkResponse.java:67

ID: 6605 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkResponse.java

new org.elasticsearch.action.bulk.BulkResponse(BulkItemResponse[], long, long) may expose internal representation by storing an externally mutable object into BulkResponse.responses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkResponse.java:67 ***** Primary Bug Location
At BulkResponse.java:[line 67]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkResponse.java:123

ID: 6604 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkResponse.java

org.elasticsearch.action.bulk.BulkResponse.getItems() may expose internal representation by returning BulkResponse.responses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkResponse.java:123 ***** Primary Bug Location
At BulkResponse.java:[line 123]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardRequest.java:41

ID: 22449 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardRequest.java

new org.elasticsearch.action.bulk.BulkShardRequest(ShardId, WriteRequest\$RefreshPolicy, BulkItemRequest[]) may expose internal representation by storing an externally mutable object into BulkShardRequest.items

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardRequest.java:41 ***** Primary Bug Location
At BulkShardRequest.java:[line 41]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardRequest.java:46

ID: 22448 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardRequest.java

org.elasticsearch.action.bulk.BulkShardRequest.items() may expose internal representation by returning BulkShardRequest.items

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardRequest.java:46 ***** Primary Bug Location
At BulkShardRequest.java:[line 46]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardResponse.java:42

ID: 17418 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardResponse.java

new org.elasticsearch.action.bulk.BulkShardResponse(ShardId, BulkItemResponse[]) may expose internal representation by storing an externally mutable object into BulkShardResponse.responses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardResponse.java:42 ***** Primary Bug Location
At BulkShardResponse.java:[line 42]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardResponse.java:50

ID: 17417 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardResponse.java

org.elasticsearch.action.bulk.BulkShardResponse.getResponses() may expose internal representation by returning BulkShardResponse.responses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkShardResponse.java:50 ***** Primary Bug Location
At BulkShardResponse.java:[line 50]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile (6)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java:54

ID: 8277 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java

```
new org.elasticsearch.search.aggregations.pipeline.bucketmetrics.percentile.InternalPercentilesBucket(String, double[], double[], DocValueFormat, List, Map) may expose internal representation by storing an externally mutable object into InternalPercentilesBucket.percentiles
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java:54 ***** Primary Bug Location
At InternalPercentilesBucket.java:[line 54]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java:55

ID: 8280 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java

```
new org.elasticsearch.search.aggregations.pipeline.bucketmetrics.percentile.InternalPercentilesBucket(String, double[], double[], DocValueFormat, List, Map) may expose internal representation by storing an externally mutable object into InternalPercentilesBucket.percents
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java:55 ***** Primary Bug Location
At InternalPercentilesBucket.java:[line 55]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java:156

ID: 8278 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java

```
new org.elasticsearch.search.aggregations.pipeline.bucketmetrics.percentile.InternalPercentilesBucket$Iter(double[], double[]) may expose internal representation by storing an externally mutable object into InternalPercentilesBucket$Iter.percents
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java:156 ***** Primary Bug Location
At InternalPercentilesBucket.java:[line 156]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java:157

ID: 8281 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java

```
new org.elasticsearch.search.aggregations.pipeline.bucketmetrics.percentile.InternalPercentilesBucket$Iter(double[], double[]) may expose internal representation by storing an externally mutable object into InternalPercentilesBucket$Iter.percentiles
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/InternalPercentilesBucket.java:157 ***** Primary Bug Location  
At InternalPercentilesBucket.java:[line 157]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/PercentilesBucketPipelineAggregationBuilder.java:72

ID: 2660 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/PercentilesBucketPipelineAggregationBuilder.java

```
org.elasticsearch.search.aggregations.pipeline.bucketmetrics.percentile.PercentilesBucketPipelineAggregationBuilder.percentiles() may expose internal representation by returning PercentilesBucketPipelineAggregationBuilder.percentiles
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/PercentilesBucketPipelineAggregationBuilder.java:72 ***** Primary Bug Location  
At PercentilesBucketPipelineAggregationBuilder.java:[line 72]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/PercentilesBucketPipelineAggregationBuilder.java:88

ID: 2661 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/PercentilesBucketPipelineAggregationBuilder.java

```
org.elasticsearch.search.aggregations.pipeline.bucketmetrics.percentile.PercentilesBucketPipelineAggregationBuilder.percentiles(double[]) may expose internal representation by storing an externally mutable object into PercentilesBucketPipelineAggregationBuilder.percentiles
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/percentile/PercentilesBucketPipelineAggregationBuilder.java:88 ***** Primary Bug Location  
At PercentilesBucketPipelineAggregationBuilder.java:[line 88]
```

Path: elasticsearch-6.5.1/org/elasticsearch/snapshots (6)

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java:922

ID: 18143 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java

```
new org.elasticsearch.snapshots.RestoreService$RestoreRequest(String, String, String[], IndicesOptions,
String, String, Settings, TimeValue, boolean, boolean, boolean, Settings, String[], String) may expose internal
representation by storing an externally mutable object into RestoreService$RestoreRequest.indices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java:922 ***** Primary Bug Location
At RestoreService.java:[line 922]
```

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java:932

ID: 18144 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java

```
new org.elasticsearch.snapshots.RestoreService$RestoreRequest(String, String, String[], IndicesOptions,
String, String, Settings, TimeValue, boolean, boolean, boolean, Settings, String[], String) may expose internal
representation by storing an externally mutable object into RestoreService$RestoreRequest.ignoreIndexSettings
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java:932 ***** Primary Bug Location
At RestoreService.java:[line 932]
```

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java:969

ID: 18145 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java

```
org.elasticsearch.snapshots.RestoreService$RestoreRequest.indices() may expose internal representation by
returning RestoreService$RestoreRequest.indices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java:969 ***** Primary Bug Location
At RestoreService.java:[line 969]
```

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java:1050

ID: 18139 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java

```
org.elasticsearch.snapshots.RestoreService$RestoreRequest.ignoreIndexSettings() may expose internal
representation by returning RestoreService$RestoreRequest.ignoreIndexSettings
```

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/snapshots/RestoreService.java:1050 ***** Primary Bug Location
At RestoreService.java:[line 1050]

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/SnapshotsService.java:1582

ID: 10771 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/SnapshotsService.java

org.elasticsearch.snapshots.SnapshotsService\$SnapshotRequest.indices(String[]) may expose internal representation by storing an externally mutable object into SnapshotsService\$SnapshotRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/snapshots/SnapshotsService.java:1582 ***** Primary Bug Location
At SnapshotsService.java:[line 1582]

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/SnapshotsService.java:1670

ID: 10774 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/snapshots/SnapshotsService.java

org.elasticsearch.snapshots.SnapshotsService\$SnapshotRequest.indices() may expose internal representation by returning SnapshotsService\$SnapshotRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/snapshots/SnapshotsService.java:1670 ***** Primary Bug Location
At SnapshotsService.java:[line 1670]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat (6)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:36

ID: 24072 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java

new org.elasticsearch.xpack.watcher.notification.hipchat.HipChatMessage(String, String[], String[], String, HipChatMessage\$Format, HipChatMessage\$Color, Boolean) may expose internal representation by storing an externally mutable object into HipChatMessage.rooms

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:36 *****
Primary Bug Location
At HipChatMessage.java:[line 36]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:37

ID: 24074 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java

new org.elasticsearch.xpack.watcher.notification.hipchat.HipChatMessage(String, String[], String[], String, HipChatMessage\$Format, HipChatMessage\$Color, Boolean) may expose internal representation by storing an externally mutable object into HipChatMessage.users

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:37 *****
Primary Bug Location
At HipChatMessage.java:[line 37]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:49

ID: 24071 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java

org.elasticsearch.xpack.watcher.notification.hipchat.HipChatMessage.getRooms() may expose internal representation by returning HipChatMessage.rooms

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:49 *****
Primary Bug Location
At HipChatMessage.java:[line 49]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:54

ID: 24067 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java

org.elasticsearch.xpack.watcher.notification.hipchat.HipChatMessage.getUsers() may expose internal representation by returning HipChatMessage.users

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:54 *****
Primary Bug Location
At HipChatMessage.java:[line 54]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:152

ID: 24075 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java

new org.elasticsearch.xpack.watcher.notification.hipchat.HipChatMessage\$Template(TextTemplate, TextTemplate[], TextTemplate[], String, HipChatMessage\$Format, TextTemplate, Boolean) may expose internal representation by storing an externally mutable object into HipChatMessage\$Template.rooms

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:152 *****
Primary Bug Location
At HipChatMessage.java:[line 152]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:153

ID: 24068 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java

```
new org.elasticsearch.xpack.watcher.notification.hipchat.HipChatMessage$Template(TextTemplate, TextTemplate[],
TextTemplate[], String, HipChatMessage$Format, TextTemplate, Boolean) may expose internal representation by
storing an externally mutable object into HipChatMessage$Template.users
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/hipchat/HipChatMessage.java:153 *****
Primary Bug Location
At HipChatMessage.java:[line 153]
```

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search (6)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java:48

ID: 5458 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java

```
new org.elasticsearch.xpack.watcher.support.search.WatcherSearchTemplateRequest(String[], String[], SearchType,
IndicesOptions, BytesReference) may expose internal representation by storing an externally mutable object into
WatcherSearchTemplateRequest.indices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest
.java:48 ***** Primary Bug Location
At WatcherSearchTemplateRequest.java:[line 48]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java:49

ID: 5457 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java

```
new org.elasticsearch.xpack.watcher.support.search.WatcherSearchTemplateRequest(String[], String[], SearchType,
IndicesOptions, BytesReference) may expose internal representation by storing an externally mutable object into
WatcherSearchTemplateRequest.types
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest
.java:49 ***** Primary Bug Location
At WatcherSearchTemplateRequest.java:[line 49]
```


Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java:60

ID: 5453 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java

```
new org.elasticsearch.xpack.watcher.support.search.WatcherSearchTemplateRequest(String[], String[],
    SearchType, IndicesOptions, Script) may expose internal representation by storing an externally mutable object into
    WatcherSearchTemplateRequest.indices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest
.java:60 ***** Primary Bug Location
    At WatcherSearchTemplateRequest.java:[line 60]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java:61

ID: 5464 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java

```
new org.elasticsearch.xpack.watcher.support.search.WatcherSearchTemplateRequest(String[], String[],
    SearchType, IndicesOptions, Script) may expose internal representation by storing an externally mutable object into
    WatcherSearchTemplateRequest.types
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest
.java:61 ***** Primary Bug Location
    At WatcherSearchTemplateRequest.java:[line 61]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java:93

ID: 5462 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java

```
org.elasticsearch.xpack.watcher.support.search.WatcherSearchTemplateRequest.getIndices() may expose internal
representation by returning WatcherSearchTemplateRequest.indices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest
.java:93 ***** Primary Bug Location
    At WatcherSearchTemplateRequest.java:[line 93]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java:97

ID: 5460 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java

org.elasticsearch.xpack.watcher.support.search.WatcherSearchTemplateRequest.getTypes() may expose internal representation by returning WatcherSearchTemplateRequest.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/search/WatcherSearchTemplateRequest.java:97 ***** Primary Bug Location
At WatcherSearchTemplateRequest.java:[line 97]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get (5)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/

GetFieldMappingsIndexRequest.java:60

ID: 12896 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsIndexRequest.java

org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest.types() may expose internal representation by returning GetFieldMappingsIndexRequest.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsIndexRequest.java:60 ***** Primary Bug Location
At GetFieldMappingsIndexRequest.java:[line 60]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/

GetFieldMappingsIndexRequest.java:64

ID: 12895 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsIndexRequest.java

org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest.fields() may expose internal representation by returning GetFieldMappingsIndexRequest.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsIndexRequest.java:64 ***** Primary Bug Location
At GetFieldMappingsIndexRequest.java:[line 64]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsRequest.java:81

ID: 12932 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsRequest.java

org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.indices() may expose internal representation by returning GetFieldMappingsRequest.indices

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsRequest.java:81
***** Primary Bug Location
At GetFieldMappingsRequest.java:[line 81]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsRequest.java:85
ID: 12933 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsRequest.java

org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.types() may expose internal representation by returning GetFieldMappingsRequest.types

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsRequest.java:85
***** Primary Bug Location
At GetFieldMappingsRequest.java:[line 85]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsRequest.java:100
ID: 12931 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsRequest.java

org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.fields() may expose internal representation by returning GetFieldMappingsRequest.fields

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/get/GetFieldMappingsRequest.java:100
***** Primary Bug Location
At GetFieldMappingsRequest.java:[line 100]
```

Path: elasticsearch-6.5.1/org/elasticsearch/env (5)

Location: elasticsearch-6.5.1/org/elasticsearch/env/Environment.java:190
ID: 9948 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/env/Environment.java

org.elasticsearch.env.Environment.dataFiles() may expose internal representation by returning Environment.dataFiles

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/env/Environment.java:190 ***** Primary Bug Location
At Environment.java:[line 190]
```

Location: elasticsearch-6.5.1/org/elasticsearch/env/Environment.java:208
ID: 9949 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/env/Environment.java

org.elasticsearch.env.Environment.dataWithClusterFiles() may expose internal representation by returning Environment.dataWithClusterFiles

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/env/Environment.java:208 ***** Primary Bug Location
At Environment.java:[line 208]

Location: elasticsearch-6.5.1/org/elasticsearch/env/Environment.java:215

ID: 9950 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/env/Environment.java

org.elasticsearch.env.Environment.repoFiles() may expose internal representation by returning Environment.repoFiles

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/env/Environment.java:215 ***** Primary Bug Location
At Environment.java:[line 215]

Location: elasticsearch-6.5.1/org/elasticsearch/env/NodeEnvironment.java:225

ID: 11949 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/env/NodeEnvironment.java

org.elasticsearch.env.NodeEnvironment\$NodeLock.getNodePaths() may expose internal representation by returning NodeEnvironment\$NodeLock.nodePaths

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/env/NodeEnvironment.java:225 ***** Primary Bug Location
At NodeEnvironment.java:[line 225]

Location: elasticsearch-6.5.1/org/elasticsearch/env/NodeEnvironment.java:783

ID: 11955 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/env/NodeEnvironment.java

org.elasticsearch.env.NodeEnvironment.nodePaths() may expose internal representation by returning NodeEnvironment.nodePaths

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/env/NodeEnvironment.java:783 ***** Primary Bug Location
At NodeEnvironment.java:[line 783]

Path: elasticsearch-6.5.1/org/elasticsearch/index/mapper (5)

Location: elasticsearch-6.5.1/org/elasticsearch/index/mapper/Mapping.java:53**ID:** 20805 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/index/mapper/Mapping.java

```
new org.elasticsearch.index.mapper.Mapping(Version, RootObjectMapper, MetadataFieldMapper[], Map) may
expose internal representation by storing an externally mutable object into Mapping.metadataMappers
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/mapper/Mapping.java:53 ***** Primary Bug Location
At Mapping.java:[line 53]
```

Location: elasticsearch-6.5.1/org/elasticsearch/index/mapper/RootObjectMapper.java:49**ID:** 1822 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/index/mapper/RootObjectMapper.java

```
org.elasticsearch.index.mapper.RootObjectMapper$Defaults.DYNAMIC_DATE_TIME_FORMATTERS should be
package protected
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/mapper/RootObjectMapper.java:49 ***** Primary Bug Location
At RootObjectMapper.java:[line 49]
```

Location: elasticsearch-6.5.1/org/elasticsearch/index/mapper/SourceFieldMapper.java:94**ID:** 3005 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/index/mapper/SourceFieldMapper.java

```
org.elasticsearch.index.mapper.SourceFieldMapper$Builder.includes(String[]) may expose internal representation by
storing an externally mutable object into SourceFieldMapper$Builder.includes
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/mapper/SourceFieldMapper.java:94 ***** Primary Bug Location
At SourceFieldMapper.java:[line 94]
```

Location: elasticsearch-6.5.1/org/elasticsearch/index/mapper/SourceFieldMapper.java:99**ID:** 3007 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/index/mapper/SourceFieldMapper.java

```
org.elasticsearch.index.mapper.SourceFieldMapper$Builder.excludes(String[]) may expose internal representation by
storing an externally mutable object into SourceFieldMapper$Builder.excludes
```

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/mapper/SourceFieldMapper.java:99 ***** Primary Bug Location
At SourceFieldMapper.java:[line 99]

Location: elasticsearch-6.5.1/org/elasticsearch/index/mapper/TypeFieldMapper.java:236

ID: 10256 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/mapper/TypeFieldMapper.java

org.elasticsearch.index.mapper.TypeFieldMapper\$TypesQuery.getTerms() may expose internal representation by returning TypeFieldMapper\$TypesQuery.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/mapper/TypeFieldMapper.java:236 ***** Primary Bug Location
At TypeFieldMapper.java:[line 236]

Path: elasticsearch-6.5.1/org/elasticsearch/search (5)

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchHit.java:358

ID: 24308 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchHit.java

org.elasticsearch.search.SearchHit.matchedQueries(String[]) may expose internal representation by storing an externally mutable object into SearchHit.matchedQueries

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/SearchHit.java:358 ***** Primary Bug Location
At SearchHit.java:[line 358]

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchHit.java:365

ID: 24307 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchHit.java

org.elasticsearch.search.SearchHit.getMatchedQueries() may expose internal representation by returning SearchHit.matchedQueries

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/SearchHit.java:365 ***** Primary Bug Location
At SearchHit.java:[line 365]

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchHits.java:60

ID: 15963 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchHits.java

new org.elasticsearch.search.SearchHits(SearchHit[], long, float) may expose internal representation by storing an externally mutable object into SearchHits.hits

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/SearchHits.java:60 ***** Primary Bug Location
At SearchHits.java:[line 60]

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchHits.java:84

ID: 15962 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchHits.java

org.elasticsearch.search.SearchHits.getHits() may expose internal representation by returning SearchHits.hits

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/SearchHits.java:84 ***** Primary Bug Location
At SearchHits.java:[line 84]

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchSortValues.java:147

ID: 14754 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/SearchSortValues.java

org.elasticsearch.search.SearchSortValues.sortValues() may expose internal representation by returning SearchSortValues.sortValues

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/SearchSortValues.java:147 ***** Primary Bug Location
At SearchSortValues.java:[line 147]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr (5)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/

AbstractHDRPercentilesAggregator.java:63

ID: 13073 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/

AbstractHDRPercentilesAggregator.java

new org.elasticsearch.search.aggregations.metrics.percentiles.hdr.AbstractHDRPercentilesAggregator(String, ValuesSource\$Numeric, SearchContext, Aggregator, double[], int, boolean, DocValueFormat, List, Map) may expose internal representation by storing an externally mutable object into AbstractHDRPercentilesAggregator.keys

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/AbstractHDRPercentilesAggregator.java:63 ***** Primary Bug Location

At AbstractHDRPercentilesAggregator.java:[line 63]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/HDRPercentileRanksAggregatorFactory.java:47

ID: 10020 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/HDRPercentileRanksAggregatorFactory.java

```
new org.elasticsearch.search.aggregations.metrics.percentiles.hdr.HDRPercentileRanksAggregatorFactory(String,
    ValuesSourceConfig, double[], int, boolean, SearchContext, AggregatorFactory, AggregatorFactories$Builder,
    Map) may expose internal representation by storing an externally mutable object into HDRPercentileRanksAggregatorFactory.values
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/HDRPercentileRanksAggregatorFactory.java:47 ***** Primary Bug Location
    At HDRPercentileRanksAggregatorFactory.java:[line 47]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/HDRPercentilesAggregatorFactory.java:46

ID: 20280 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/HDRPercentilesAggregatorFactory.java

```
new org.elasticsearch.search.aggregations.metrics.percentiles.hdr.HDRPercentilesAggregatorFactory(String,
    ValuesSourceConfig, double[], int, boolean, SearchContext, AggregatorFactory, AggregatorFactories$Builder,
    Map) may expose internal representation by storing an externally mutable object into HDRPercentilesAggregatorFactory.percents
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/HDRPercentilesAggregatorFactory.java:46 ***** Primary Bug Location
    At HDRPercentilesAggregatorFactory.java:[line 46]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/InternalHDRPercentileRanks.java:99

ID: 636 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/InternalHDRPercentileRanks.java

```
new org.elasticsearch.search.aggregations.metrics.percentiles.hdr.InternalHDRPercentileRanks$Itr(double[], DoubleHistogram) may expose internal representation by storing an externally mutable object into InternalHDRPercentileRanks$Itr.values
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/InternalHDRPe  
rcentileRanks.java:99 ***** Primary Bug Location  
At InternalHDRPercentileRanks.java:[line 99]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/
InternalHDRPercentiles.java:89

ID: 23432 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/InternalHDRPercentiles.java

```
new org.elasticsearch.search.aggregations.metrics.percentiles.hdr.InternalHDRPercentiles$Itr(double[],  
DoubleHistogram) may expose internal representation by storing an externally mutable object into  
InternalHDRPercentiles$Itr.percent
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/hdr/InternalHDRPe  
rcentiles.java:89 ***** Primary Bug Location  
At InternalHDRPercentiles.java:[line 89]
```

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest (5)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/
AbstractTDigestPercentilesAggregator.java:62

ID: 20576 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/
AbstractTDigestPercentilesAggregator.java

```
new org.elasticsearch.search.aggregations.metrics.percentiles.tdigest.AbstractTDigestPercentilesAggregat  
or(String, ValuesSource$Numeric, SearchContext, Aggregator, double[], double, boolean, DocValueFormat,  
List, Map) may expose internal representation by storing an externally mutable object into AbstractTDigestPerce  
ntilesAggregator.keys
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/AbstractT  
DigestPercentilesAggregator.java:62 ***** Primary Bug Location  
At AbstractTDigestPercentilesAggregator.java:[line 62]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/
InternalTDigestPercentileRanks.java:96

ID: 17846 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/
InternalTDigestPercentileRanks.java

```
new org.elasticsearch.search.aggregations.metrics.percentiles.tdigest.InternalTDigestPercentileRanks$Itr(double[],  
TDigestState) may expose internal representation by storing an externally mutable object into InternalTDigestPerce  
ntileRanks$Itr.values
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/InternalTDigestPercentileRanks.java:96 ***** Primary Bug Location
At InternalTDigestPercentileRanks.java:[line 96]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/InternalTDigestPercentiles.java:85

ID: 17842 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/InternalTDigestPercentiles.java

```
new org.elasticsearch.search.aggregations.metrics.percentiles.tdigest.InternalTDigestPercentiles$Iter(double[],
    TDigestState) may expose internal representation by storing an externally mutable object into InternalTDigestPercentiles$Iter.percent
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/InternalTDigestPercentiles.java:85 ***** Primary Bug Location
At InternalTDigestPercentiles.java:[line 85]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/TDigestPercentileRanksAggregatorFactory.java:47

ID: 18055 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/TDigestPercentileRanksAggregatorFactory.java

```
new org.elasticsearch.search.aggregations.metrics.percentiles.tdigest.TDigestPercentileRanksAggregatorFactory(String, ValuesSourceConfig, double[], double, boolean, SearchContext, AggregatorFactory,
    AggregatorFactories$Builder, Map) may expose internal representation by storing an externally mutable object into
    TDigestPercentileRanksAggregatorFactory.percent
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/TDigestPercentileRanksAggregatorFactory.java:47 ***** Primary Bug Location
At TDigestPercentileRanksAggregatorFactory.java:[line 47]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/TDigestPercentilesAggregatorFactory.java:47

ID: 24415 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/TDigestPercentilesAggregatorFactory.java

```
new org.elasticsearch.search.aggregations.metrics.percentiles.tdigest.TDigestPercentilesAggregatorFactory(String, ValuesSourceConfig, double[], double, boolean, SearchContext, AggregatorFactory, AggregatorFactories$Builder,
```

Map) may expose internal representation by storing an externally mutable object into TDigestPercentilesAggregatorFactory.percents

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/tdigest/TDigestPercentilesAggregatorFactory.java:47 ***** Primary Bug Location
At TDigestPercentilesAggregatorFactory.java:[line 47]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege (5)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/DeletePrivilegesRequest.java:38

ID: 22103 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/DeletePrivilegesRequest.java

new org.elasticsearch.xpack.core.security.action.privilege.DeletePrivilegesRequest(String, String[]) may expose internal representation by storing an externally mutable object into DeletePrivilegesRequest.privileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/DeletePrivilegesRequest.java:38 ***** Primary Bug Location
At DeletePrivilegesRequest.java:[line 38]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/DeletePrivilegesRequest.java:78

ID: 22102 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/DeletePrivilegesRequest.java

org.elasticsearch.xpack.core.security.action.privilege.DeletePrivilegesRequest.privileges() may expose internal representation by returning DeletePrivilegesRequest.privileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/DeletePrivilegesRequest.java:78 ***** Primary Bug Location
At DeletePrivilegesRequest.java:[line 78]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/DeletePrivilegesRequest.java:82

ID: 22104 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/DeletePrivilegesRequest.java

org.elasticsearch.xpack.core.security.action.privilege.DeletePrivilegesRequest.privileges(String[]) may expose internal representation by storing an externally mutable object into DeletePrivilegesRequest.privileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/DeletePrivilegesRequest.java:82 ***** Primary Bug Location

At DeletePrivilegesRequest.java:[line 82]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/GetPrivilegesRequest.java:61

ID: 8807 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/GetPrivilegesRequest.java

org.elasticsearch.xpack.core.security.action.privilege.GetPrivilegesRequest.privileges() may expose internal representation by returning GetPrivilegesRequest.privileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/GetPrivilegesRequest.java:61 *****
Primary Bug Location
At GetPrivilegesRequest.java:[line 61]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/GetPrivilegesResponse.java:32

ID: 16668 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/GetPrivilegesResponse.java

org.elasticsearch.xpack.core.security.action.privilege.GetPrivilegesResponse.privileges() may expose internal representation by returning GetPrivilegesResponse.privileges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/privilege/GetPrivilegesResponse.java:32 *****
Primary Bug Location
At GetPrivilegesResponse.java:[line 32]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status (4)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusRequest.java:54

ID: 25007 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusRequest.java

new org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest(String, String[]) may expose internal representation by storing an externally mutable object into SnapshotsStatusRequest.snapshots

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusRequest.java:54 *****
Primary Bug Location
At SnapshotsStatusRequest.java:[line 54]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusRequest.java:104

ID: 25006 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusRequest.java

org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest.snapshots() may expose internal representation by returning SnapshotsStatusRequest.snapshots

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusRequest.java:104 ***** Primary Bug Location
At SnapshotsStatusRequest.java:[line 104]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusRequest.java:113

ID: 25008 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusRequest.java

org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest.snapshots(String[]) may expose internal representation by storing an externally mutable object into SnapshotsStatusRequest.snapshots

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusRequest.java:113 ***** Primary Bug Location
At SnapshotsStatusRequest.java:[line 113]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/TransportNodesSnapshotsStatus.java:139

ID: 3452 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/TransportNodesSnapshotsStatus.java

org.elasticsearch.action.admin.cluster.snapshots.status.TransportNodesSnapshotsStatus\$Request.snapshots(Snapshot[]) may expose internal representation by storing an externally mutable object into TransportNodesSnapshotsStatus\$Request.snapshots

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/status/TransportNodesSnapshotsStatus.java:139 ***** Primary Bug Location
At TransportNodesSnapshotsStatus.java:[line 139]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types (4)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java:43

ID: 17684 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java

new org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest(String[], String[]) may expose internal representation by storing an externally mutable object into TypesExistsRequest.indices

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java:43 *****  
Primary Bug Location  
At TypesExistsRequest.java:[line 43]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java:49

ID: 17682 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java

org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.indices() may expose internal representation by returning TypesExistsRequest.indices

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java:49 *****  
Primary Bug Location  
At TypesExistsRequest.java:[line 49]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java:59

ID: 17683 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java

org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.types() may expose internal representation by returning TypesExistsRequest.types

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java:59 *****  
Primary Bug Location  
At TypesExistsRequest.java:[line 59]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java:63

ID: 17685 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java

org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.types(String[]) may expose internal representation by storing an externally mutable object into TypesExistsRequest.types

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/types/TypesExistsRequest.java:63 *****  
Primary Bug Location  
At TypesExistsRequest.java:[line 63]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/get (4)

Location: elasticsearch-6.5.1/org/elasticsearch/action/get/GetRequest.java:208

ID: 17519 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/get/GetRequest.java

org.elasticsearch.action.get.GetRequest.storedFields() may expose internal representation by returning GetRequest.storedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/get/GetRequest.java:208 ***** Primary Bug Location
At GetRequest.java:[line 208]

Location: elasticsearch-6.5.1/org/elasticsearch/action/get/MultiGetRequest.java:162

ID: 22222 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/get/MultiGetRequest.java

org.elasticsearch.action.get.MultiGetRequest\$Item.storedFields() may expose internal representation by returning MultiGetRequest\$Item.storedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/get/MultiGetRequest.java:162 ***** Primary Bug Location
At MultiGetRequest.java:[line 162]

Location: elasticsearch-6.5.1/org/elasticsearch/action/get/MultiGetResponse.java:140

ID: 2422 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/get/MultiGetResponse.java

new org.elasticsearch.action.get.MultiGetResponse(MultiGetItemResponse[]) may expose internal representation by storing an externally mutable object into MultiGetResponse.responses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/get/MultiGetResponse.java:140 ***** Primary Bug Location
At MultiGetResponse.java:[line 140]

Location: elasticsearch-6.5.1/org/elasticsearch/action/get/MultiGetResponse.java:144

ID: 2421 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/get/MultiGetResponse.java

org.elasticsearch.action.get.MultiGetResponse.getResponses() may expose internal representation by returning MultiGetResponse.responses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/get/MultiGetResponse.java:144 ***** Primary Bug Location
At MultiGetResponse.java:[line 144]

Path: elasticsearch-6.5.1/org/elasticsearch/index/analysis (4)

Location: elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java:49

ID: 7653 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java

```
new org.elasticsearch.index.analysis.CustomAnalyzer(String, TokenizerFactory, CharFilterFactory[],  
TokenFilterFactory[], int, int) may expose internal representation by storing an externally mutable object into  
CustomAnalyzer.charFilters
```

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java:49 ***** Primary Bug Location
At CustomAnalyzer.java:[line 49]

Location: elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java:50

ID: 7654 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java

```
new org.elasticsearch.index.analysis.CustomAnalyzer(String, TokenizerFactory, CharFilterFactory[],  
TokenFilterFactory[], int, int) may expose internal representation by storing an externally mutable object into  
CustomAnalyzer.tokenFilters
```

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java:50 ***** Primary Bug Location
At CustomAnalyzer.java:[line 50]

Location: elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java:67

ID: 7652 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java

```
org.elasticsearch.index.analysis.CustomAnalyzer.tokenFilters() may expose internal representation by returning  
CustomAnalyzer.tokenFilters
```

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java:67 ***** Primary Bug Location
At CustomAnalyzer.java:[line 67]

Location: elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java:71

ID: 7651 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java

org.elasticsearch.index.analysis.CustomAnalyzer.charFilters() may expose internal representation by returning CustomAnalyzer.charFilters

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/analysis/CustomAnalyzer.java:71 ***** Primary Bug Location
At CustomAnalyzer.java:[line 71]

Path: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph (4)

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreRequest.java:77

ID: 1559 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreRequest.java

org.elasticsearch.protocol.xpack.graph.GraphExploreRequest.indices() may expose internal representation by returning GraphExploreRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreRequest.java:77 ***** Primary Bug Location
At GraphExploreRequest.java:[line 77]

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreRequest.java:100

ID: 1560 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreRequest.java

org.elasticsearch.protocol.xpack.graph.GraphExploreRequest.types() may expose internal representation by returning GraphExploreRequest.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreRequest.java:100 ***** Primary Bug Location
At GraphExploreRequest.java:[line 100]

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreResponse.java:58

ID: 14057 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreResponse.java

new org.elasticsearch.protocol.xpack.graph.GraphExploreResponse(long, boolean, ShardOperationFailedException[], Map, Map, boolean) may expose internal representation by storing an externally mutable object into GraphExploreResponse.shardFailures

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreResponse.java:58 ***** Primary Bug Location
At GraphExploreResponse.java:[line 58]

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreResponse.java:81

ID: 14048 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreResponse.java

org.elasticsearch.protocol.xpack.graph.GraphExploreResponse.getShardFailures() may expose internal representation by returning GraphExploreResponse.shardFailures

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/graph/GraphExploreResponse.java:81 ***** Primary Bug Location
At GraphExploreResponse.java:[line 81]

Path: elasticsearch-6.5.1/org/elasticsearch/repositories (4)

Location: elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java:531

ID: 20916 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java

new org.elasticsearch.repositories.RepositoriesService\$VerifyResponse(DiscoveryNode[], VerificationFailure[]) may expose internal representation by storing an externally mutable object into RepositoriesService\$VerifyResponse.nodes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java:531 ***** Primary Bug Location
At RepositoriesService.java:[line 531]

Location: elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java:532

ID: 20911 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java

new org.elasticsearch.repositories.RepositoriesService\$VerifyResponse(DiscoveryNode[], VerificationFailure[]) may expose internal representation by storing an externally mutable object into RepositoriesService\$VerifyResponse.failures

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java:532 ***** Primary Bug Location
At RepositoriesService.java:[line 532]

Location: elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java:536

ID: 20913 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java

org.elasticsearch.repositories.RepositoriesService\$VerifyResponse.failures() may expose internal representation by returning RepositoriesService\$VerifyResponse.failures

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java:536 ***** Primary Bug Location
At RepositoriesService.java:[line 536]

Location: elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java:540

ID: 20912 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java

org.elasticsearch.repositories.RepositoriesService\$VerifyResponse.nodes() may expose internal representation by returning RepositoriesService\$VerifyResponse.nodes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/repositories/RepositoriesService.java:540 ***** Primary Bug Location
At RepositoriesService.java:[line 540]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations (4)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/AggregatorBase.java:211

ID: 24786 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/AggregatorBase.java

org.elasticsearch.search.aggregations.AggregatorBase.subAggregators() may expose internal representation by returning AggregatorBase.subAggregators

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/AggregatorBase.java:211 ***** Primary Bug Location
At AggregatorBase.java:[line 211]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/PipelineAggregationBuilder.java:64

ID: 7279 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/PipelineAggregationBuilder.java

org.elasticsearch.search.aggregations.PipelineAggregationBuilder.getBucketsPaths() may expose internal representation by returning PipelineAggregationBuilder.bucketsPaths

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/PipelineAggregationBuilder.java:64 ***** Primary Bug Location
At PipelineAggregationBuilder.java:[line 64]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/SearchContextAggregations.java:47

ID: 5665 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/SearchContextAggregations.java

org.elasticsearch.search.aggregations.SearchContextAggregations.aggregators() may expose internal representation by returning SearchContextAggregations.aggregators

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/SearchContextAggregations.java:47 *****
Primary Bug Location
At SearchContextAggregations.java:[line 47]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/SearchContextAggregations.java:56

ID: 5666 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/SearchContextAggregations.java

org.elasticsearch.search.aggregations.SearchContextAggregations.aggregators(Aggregator[]) may expose internal representation by storing an externally mutable object into SearchContextAggregations.aggregators

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/SearchContextAggregations.java:56 *****
Primary Bug Location
At SearchContextAggregations.java:[line 56]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range (4)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/
AbstractRangeAggregatorFactory.java:49

ID: 14787 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/AbstractRangeAggregatorFactory.java

new org.elasticsearch.search.aggregations.bucket.range.AbstractRangeAggregatorFactory(String, ValuesSourceConfig, RangeAggregator\$Range[], boolean, InternalRange\$Factory, SearchContext, AggregatorFactory, AggregatorFactories\$Builder, Map) may expose internal representation by storing an externally mutable object into AbstractRangeAggregatorFactory.ranges

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/AbstractRangeAggregatorFactory.java:49 ***** Primary Bug Location

At AbstractRangeAggregatorFactory.java:[line 49]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/

GeoDistanceRangeAggregatorFactory.java:60

ID: 5557 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/

GeoDistanceRangeAggregatorFactory.java

```
new org.elasticsearch.search.aggregations.bucket.range.GeoDistanceRangeAggregatorFactory(String,
ValuesSourceConfig, GeoPoint, GeoDistanceAggregationBuilder$Range[], DistanceUnit, GeoDistance, boolean,
SearchContext, AggregatorFactory, AggregatorFactories$Builder, Map) may expose internal representation by
storing an externally mutable object into GeoDistanceRangeAggregatorFactory.ranges
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/GeoDistanceRangeAggregat
orFactory.java:60 ***** Primary Bug Location
At GeoDistanceRangeAggregatorFactory.java:[line 60]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/RangeAggregator.java:239

ID: 20200 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/RangeAggregator.java

```
new org.elasticsearch.search.aggregations.bucket.range.RangeAggregator(String, AggregatorFactories,
ValuesSource$Numeric, DocValueFormat, InternalRange$Factory, RangeAggregator$Range[], boolean,
SearchContext, Aggregator, List, Map) may expose internal representation by storing an externally mutable object
into RangeAggregator.ranges
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/RangeAggregator.java:239 *****
Primary Bug Location
At RangeAggregator.java:[line 239]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/RangeAggregator.java:368

ID: 20201 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/RangeAggregator.java

```
new org.elasticsearch.search.aggregations.bucket.range.RangeAggregator$Unmapped(String, RangeAggregator
$Range[], boolean, DocValueFormat, SearchContext, Aggregator, InternalRange$Factory, List, Map) may expose
internal representation by storing an externally mutable object into RangeAggregator$Unmapped.ranges
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/range/RangeAggregator.java:368 *****
Primary Bug Location
At RangeAggregator.java:[line 368]
```

Path: elasticsearch-6.5.1/org/elasticsearch/search/dfs (4)

Location: elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java:63**ID:** 7292 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java

org.elasticsearch.search.dfs.DfsSearchResult.termsStatistics(Term[], TermStatistics[]) may expose internal representation by storing an externally mutable object into DfsSearchResult.terms

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java:63 ***** Primary Bug Location
At DfsSearchResult.java:[line 63]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java:64**ID:** 7291 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java

org.elasticsearch.search.dfs.DfsSearchResult.termsStatistics(Term[], TermStatistics[]) may expose internal representation by storing an externally mutable object into DfsSearchResult.termStatistics

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java:64 ***** Primary Bug Location
At DfsSearchResult.java:[line 64]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java:74**ID:** 7290 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java

org.elasticsearch.search.dfs.DfsSearchResult.terms() may expose internal representation by returning DfsSearchResult.terms

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java:74 ***** Primary Bug Location
At DfsSearchResult.java:[line 74]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java:78**ID:** 7289 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java

org.elasticsearch.search.dfs.DfsSearchResult.termStatistics() may expose internal representation by returning DfsSearchResult.termStatistics

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/dfs/DfsSearchResult.java:78 ***** Primary Bug Location
At DfsSearchResult.java:[line 78]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm (4)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java:31
ID: 12319 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java

org.elasticsearch.xpack.core.security.action.realm.ClearRealmCacheRequest.realms() may expose internal representation by returning ClearRealmCacheRequest.realms

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java:31
***** Primary Bug Location
At ClearRealmCacheRequest.java:[line 31]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java:56
ID: 12320 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java

org.elasticsearch.xpack.core.security.action.realm.ClearRealmCacheRequest.usernames() may expose internal representation by returning ClearRealmCacheRequest.usernames

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java:56
***** Primary Bug Location
At ClearRealmCacheRequest.java:[line 56]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java:97
ID: 12321 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java

org.elasticsearch.xpack.core.security.action.realm.ClearRealmCacheRequest\$Node.getRealms() may expose internal representation by returning ClearRealmCacheRequest\$Node.realms

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java:97
***** Primary Bug Location
At ClearRealmCacheRequest.java:[line 97]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java:98
ID: 12322 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java

org.elasticsearch.xpack.core.security.action.realm.ClearRealmCacheRequest\$Node.getUsernames() may expose internal representation by returning ClearRealmCacheRequest\$Node.usernames

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/realm/ClearRealmCacheRequest.java:98
***** Primary Bug Location
At ClearRealmCacheRequest.java:[line 98]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get (3)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get/GetRepositoriesRequest.java:51

ID: 5167 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get/GetRepositoriesRequest.java

new org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest(String[]) may expose internal representation by storing an externally mutable object into GetRepositoriesRequest.repositories

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get/GetRepositoriesRequest.java:51
***** Primary Bug Location
At GetRepositoriesRequest.java:[line 51]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get/GetRepositoriesRequest.java:69

ID: 5166 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get/GetRepositoriesRequest.java

org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest.repositories() may expose internal representation by returning GetRepositoriesRequest.repositories

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get/GetRepositoriesRequest.java:69
***** Primary Bug Location
At GetRepositoriesRequest.java:[line 69]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get/GetRepositoriesRequest.java:82

ID: 5168 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get/GetRepositoriesRequest.java

org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest.repositories(String[]) may expose internal representation by storing an externally mutable object into GetRepositoriesRequest.repositories

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/repositories/get/GetRepositoriesRequest.java:82
***** Primary Bug Location
At GetRepositoriesRequest.java:[line 82]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get (3)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get/GetSnapshotsRequest.java:61

ID: 6774 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get/GetSnapshotsRequest.java

new org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest(String, String[]) may expose internal representation by storing an externally mutable object into GetSnapshotsRequest.snapshots

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get/GetSnapshotsRequest.java:61
***** Primary Bug Location
At GetSnapshotsRequest.java:[line 61]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get/GetSnapshotsRequest.java:108

ID: 6773 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get/GetSnapshotsRequest.java

org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest.snapshots() may expose internal representation by returning GetSnapshotsRequest.snapshots

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get/GetSnapshotsRequest.java:108
***** Primary Bug Location
At GetSnapshotsRequest.java:[line 108]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get/GetSnapshotsRequest.java:117

ID: 6775 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get/GetSnapshotsRequest.java

org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest.snapshots(String[]) may expose internal representation by storing an externally mutable object into GetSnapshotsRequest.snapshots

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/get/GetSnapshotsRequest.java:117
***** Primary Bug Location
At GetSnapshotsRequest.java:[line 117]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get (3)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get/GetAliasesRequest.java:67

ID: 4042 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get/GetAliasesRequest.java

org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.indices() may expose internal representation by returning GetAliasesRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get/GetAliasesRequest.java:67 *****

Primary Bug Location

At GetAliasesRequest.java:[line 67]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get/GetAliasesRequest.java:72

ID: 4040 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get/GetAliasesRequest.java

org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.aliases() may expose internal representation by returning GetAliasesRequest.aliases

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get/GetAliasesRequest.java:72 *****

Primary Bug Location

At GetAliasesRequest.java:[line 72]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get/GetAliasesRequest.java:84

ID: 4041 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get/GetAliasesRequest.java

org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.getOriginalAliases() may expose internal representation by returning GetAliasesRequest.originalAliases

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/get/GetAliasesRequest.java:84 *****

Primary Bug Location

At GetAliasesRequest.java:[line 84]

Path: elasticsearch-6.5.1/org/elasticsearch/action/support/nodes (3)

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/nodes/BaseNodesRequest.java:68

ID: 2665 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/nodes/BaseNodesRequest.java

org.elasticsearch.action.support.nodes.BaseNodesRequest.nodesIds() may expose internal representation by returning BaseNodesRequest.nodesIds

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/nodes/BaseNodesRequest.java:68 ***** Primary Bug Location
At BaseNodesRequest.java:[line 68]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/nodes/BaseNodesRequest.java:93

ID: 2664 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/nodes/BaseNodesRequest.java

org.elasticsearch.action.support.nodes.BaseNodesRequest.concreteNodes() may expose internal representation by returning BaseNodesRequest.concreteNodes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/nodes/BaseNodesRequest.java:93 ***** Primary Bug Location
At BaseNodesRequest.java:[line 93]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/nodes/BaseNodesRequest.java:97

ID: 2666 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/nodes/BaseNodesRequest.java

org.elasticsearch.action.support.nodes.BaseNodesRequest.setConcreteNodes(DiscoveryNode[]) may expose internal representation by storing an externally mutable object into BaseNodesRequest.concreteNodes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/nodes/BaseNodesRequest.java:97 ***** Primary Bug Location
At BaseNodesRequest.java:[line 97]

Path: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata (3)

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/MetaData.java:471

ID: 1516 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/MetaData.java

org.elasticsearch.cluster.metadata.MetaData.getConcreteAllIndices() may expose internal representation by returning MetaData.allIndices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/MetaData.java:471 ***** Primary Bug Location

At Metadata.java:[line 471]

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/Metadata.java:475

ID: 1511 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/Metadata.java

org.elasticsearch.cluster.metadata.Metadata.getConcreteAllOpenIndices() may expose internal representation by returning Metadata.allOpenIndices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/Metadata.java:475 ***** Primary Bug Location
At Metadata.java:[line 475]

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/Metadata.java:479

ID: 1507 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/Metadata.java

org.elasticsearch.cluster.metadata.Metadata.getConcreteAllClosedIndices() may expose internal representation by returning Metadata.allClosedIndices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/Metadata.java:479 ***** Primary Bug Location
At Metadata.java:[line 479]

Path: elasticsearch-6.5.1/org/elasticsearch/monitor/fs (3)

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/fs/FsInfo.java:333

ID: 1949 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/fs/FsInfo.java

new org.elasticsearch.monitor.fs.FsInfo\$IoStats(FsInfo\$DeviceStats[]) may expose internal representation by storing an externally mutable object into FsInfo\$IoStats.devicesStats

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/fs/FsInfo.java:333 ***** Primary Bug Location
At FsInfo.java:[line 333]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/fs/FsInfo.java:381

ID: 1948 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/fs/FsInfo.java

org.elasticsearch.monitor.fs.FsInfo\$IoStats.getDevicesStats() may expose internal representation by returning FsInfo\$IoStats.devicesStats

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/fs/FsInfo.java:381 ***** Primary Bug Location
At FsInfo.java:[line 381]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/fs/FsInfo.java:442

ID: 1947 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/fs/FsInfo.java

new org.elasticsearch.monitor.fs.FsInfo(long, FsInfo\$IoStats, FsInfo\$Path[], DiskUsage, DiskUsage) may expose internal representation by storing an externally mutable object into FsInfo.paths

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/fs/FsInfo.java:442 ***** Primary Bug Location
At FsInfo.java:[line 442]

Path: elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase (3)

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase/Correction.java:36

ID: 8367 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase/Correction.java

new org.elasticsearch.search.suggest.phrase.Correction(double, DirectCandidateGenerator\$Candidate[]) may expose internal representation by storing an externally mutable object into Correction.candidates

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase/Correction.java:36 ***** Primary Bug Location
At Correction.java:[line 36]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase/DirectCandidateGenerator.java:227

ID: 20874 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase/DirectCandidateGenerator.java

new org.elasticsearch.search.suggest.phrase.DirectCandidateGenerator\$CandidateSet(DirectCandidateGenerator\$Candidate[], DirectCandidateGenerator\$Candidate) may expose internal representation by storing an externally mutable object into DirectCandidateGenerator\$CandidateSet.candidates

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase/DirectCandidateGenerator.java:227 *****
Primary Bug Location

At DirectCandidateGenerator.java:[line 227]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase/NoisyChannelSpellChecker.java:151

ID: 23194 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase/NoisyChannelSpellChecker.java

new org.elasticsearch.search.suggest.phrase.NoisyChannelSpellChecker\$Result(Correction[], double) may expose internal representation by storing an externally mutable object into NoisyChannelSpellChecker\$Result.corrections

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/phrase/NoisyChannelSpellChecker.java:151 *****

Primary Bug Location

At NoisyChannelSpellChecker.java:[line 151]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter (3)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter/MonitoringTemplateUtils.java:46

ID: 6968 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field is a mutable array [[CWE-607](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter/MonitoringTemplateUtils.java

org.elasticsearch.xpack.core.monitoring.exporter.MonitoringTemplateUtils.TEMPLATE_IDS is a mutable array

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter/MonitoringTemplateUtils.java:46 *****

Primary Bug Location

At MonitoringTemplateUtils.java:[line 46]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter/MonitoringTemplateUtils.java:56

ID: 6967 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field is a mutable array [[CWE-607](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter/MonitoringTemplateUtils.java

org.elasticsearch.xpack.core.monitoring.exporter.MonitoringTemplateUtils.OLD_TEMPLATE_IDS is a mutable array

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter/MonitoringTemplateUtils.java:56 *****

Primary Bug Location

At MonitoringTemplateUtils.java:[line 56]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter/MonitoringTemplateUtils.java:61

ID: 6970 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field is a mutable array [[CWE-607](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter/MonitoringTemplateUtils.java

org.elasticsearch.xpack.core.monitoring.exporter.MonitoringTemplateUtils.PIPELINE_IDS is a mutable array

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/monitoring/exporter/MonitoringTemplateUtils.java:61 *****
Primary Bug Location
At MonitoringTemplateUtils.java:[line 61]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job (3)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job/HistogramGroupConfig.java:67
ID: 2977 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job/HistogramGroupConfig.java

new org.elasticsearch.xpack.core.rollup.job.HistogramGroupConfig(long, String[]) may expose internal representation by storing an externally mutable object into HistogramGroupConfig.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job/HistogramGroupConfig.java:67 ***** Primary Bug Location
At HistogramGroupConfig.java:[line 67]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job/HistogramGroupConfig.java:80
ID: 2976 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job/HistogramGroupConfig.java

org.elasticsearch.xpack.core.rollup.job.HistogramGroupConfig.getFields() may expose internal representation by returning HistogramGroupConfig.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job/HistogramGroupConfig.java:80 ***** Primary Bug Location
At HistogramGroupConfig.java:[line 80]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job/TermsGroupConfig.java:74
ID: 4861 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job/TermsGroupConfig.java

org.elasticsearch.xpack.core.rollup.job.TermsGroupConfig.getFields() may expose internal representation by returning TermsGroupConfig.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/job/TermsGroupConfig.java:74 ***** Primary Bug Location
At TermsGroupConfig.java:[line 74]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support (3)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support/LdapMetaDataResolver.java:44**ID:** 5235 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support/LdapMetaDataResolver.java

org.elasticsearch.xpack.security.authc.ldap.support.LdapMetaDataResolver.attributeNames() may expose internal representation by returning LdapMetaDataResolver.attributeNames

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support/LdapMetaDataResolver.java:44

***** Primary Bug Location

At LdapMetaDataResolver.java:[line 44]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support/SessionFactory.java:230**ID:** 2826 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support/SessionFactory.java

org.elasticsearch.xpack.security.authc.ldap.support.SessionFactory\$LDAPServers.addresses() may expose internal representation by returning SessionFactory\$LDAPServers.addresses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support/SessionFactory.java:230 *****

Primary Bug Location

At SessionFactory.java:[line 230]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support/SessionFactory.java:234**ID:** 2825 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support/SessionFactory.java

org.elasticsearch.xpack.security.authc.ldap.support.SessionFactory\$LDAPServers.ports() may expose internal representation by returning SessionFactory\$LDAPServers.ports

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/ldap/support/SessionFactory.java:234 *****

Primary Bug Location

At SessionFactory.java:[line 234]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml (3)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlToken.java:29**ID:** 17786 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlToken.java

new org.elasticsearch.xpack.security.authc.saml.SamlToken(byte[], List) may expose internal representation by storing an externally mutable object into SamlToken.content

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlToken.java:29 ***** Primary Bug
Location
At SamlToken.java:[line 29]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlToken.java:40

ID: 17784 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlToken.java

org.elasticsearch.xpack.security.authc.saml.SamlToken.credentials() may expose internal representation by returning SamlToken.content

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlToken.java:40 ***** Primary Bug
Location
At SamlToken.java:[line 40]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlToken.java:49

ID: 17785 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlToken.java

org.elasticsearch.xpack.security.authc.saml.SamlToken.getContent() may expose internal representation by returning SamlToken.content

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/saml/SamlToken.java:49 ***** Primary Bug
Location
At SamlToken.java:[line 49]

Path: elasticsearch-6.5.1/org/elasticsearch/action (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/OriginalIndices.java:45

ID: 14756 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/OriginalIndices.java

new org.elasticsearch.action.OriginalIndices(String[], IndicesOptions) may expose internal representation by storing an externally mutable object into OriginalIndices.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/OriginalIndices.java:45 ***** Primary Bug Location
At OriginalIndices.java:[line 45]

Location: elasticsearch-6.5.1/org/elasticsearch/action/OriginalIndices.java:51

ID: 14755 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/OriginalIndices.java

org.elasticsearch.action.OriginalIndices.indices() may expose internal representation by returning OriginalIndices.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/OriginalIndices.java:51 ***** Primary Bug Location
At OriginalIndices.java:[line 51]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/restore (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/restore/RestoreSnapshotRequest.java:182

ID: 22651 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/restore/RestoreSnapshotRequest.java

org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest.indices() may expose internal representation by returning RestoreSnapshotRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/restore/RestoreSnapshotRequest.java:182 ***** Primary Bug Location
At RestoreSnapshotRequest.java:[line 182]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/restore/RestoreSnapshotRequest.java:380

ID: 22648 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/restore/RestoreSnapshotRequest.java

org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest.ignoreIndexSettings() may expose internal representation by returning RestoreSnapshotRequest.ignoreIndexSettings

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/restore/RestoreSnapshotRequest.java:380 ***** Primary Bug Location
At RestoreSnapshotRequest.java:[line 380]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/stats (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/stats/ClusterStatsNodeResponse.java:48

ID: 22595 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/stats/ClusterStatsNodeResponse.java

```
new org.elasticsearch.action.admin.cluster.stats.ClusterStatsNodeResponse(DiscoveryNode, ClusterHealthStatus,
NodeInfo, NodeStats, ShardStats[]) may expose internal representation by storing an externally mutable object into
ClusterStatsNodeResponse.shardsStats
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/stats/ClusterStatsNodeResponse.java:48 *****
Primary Bug Location
At ClusterStatsNodeResponse.java:[line 48]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/stats/ClusterStatsNodeResponse.java:69

ID: 22594 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/stats/ClusterStatsNodeResponse.java

```
org.elasticsearch.action.admin.cluster.stats.ClusterStatsNodeResponse.shardsStats() may expose internal
representation by returning ClusterStatsNodeResponse.shardsStats
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/stats/ClusterStatsNodeResponse.java:69 *****
Primary Bug Location
At ClusterStatsNodeResponse.java:[line 69]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/IndicesAliasesRequest.java:427

ID: 6322 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/IndicesAliasesRequest.java

```
org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest$AliasActions.aliases() may expose internal
representation by returning IndicesAliasesRequest$AliasActions.aliases
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/IndicesAliasesRequest.java:427 *****
Primary Bug Location
At IndicesAliasesRequest.java:[line 427]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/IndicesAliasesRequest.java:443

ID: 6319 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/IndicesAliasesRequest.java

org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.indices() may expose internal representation by returning IndicesAliasesRequest\$AliasActions.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/alias/IndicesAliasesRequest.java:443 *****

Primary Bug Location

At IndicesAliasesRequest.java:[line 443]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/get (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/get/GetIndexRequest.java:90

ID: 21197 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/get/GetIndexRequest.java

org.elasticsearch.action.admin.indices.get.GetIndexRequest.features() may expose internal representation by returning GetIndexRequest.features

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/get/GetIndexRequest.java:90 ***** Primary Bug Location

At GetIndexRequest.java:[line 90]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/get/GetIndexResponse.java:85

ID: 14272 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/get/GetIndexResponse.java

org.elasticsearch.action.admin.indices.get.GetIndexResponse.indices() may expose internal representation by returning GetIndexResponse.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/get/GetIndexResponse.java:85 ***** Primary Bug Location

At GetIndexResponse.java:[line 85]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/get (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/get/GetSettingsRequest.java:94

ID: 3238 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/get/GetSettingsRequest.java

org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest.indices() may expose internal representation by returning GetSettingsRequest.indices

Bug Path:


```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/get/GetSettingsRequest.java:94 *****
Primary Bug Location
At GetSettingsRequest.java:[line 94]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/get/GetSettingsRequest.java:103

ID: 3239 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/get/GetSettingsRequest.java

org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest.names() may expose internal representation by returning GetSettingsRequest.names

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/get/GetSettingsRequest.java:103 *****
Primary Bug Location
At GetSettingsRequest.java:[line 103]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/validate/query (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/validate/query/ShardValidateQueryRequest.java:63

ID: 215 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/validate/query/ShardValidateQueryRequest.java

org.elasticsearch.action.admin.indices.validate.query.ShardValidateQueryRequest.types() may expose internal representation by returning ShardValidateQueryRequest.types

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/validate/query/ShardValidateQueryRequest.java:63 *****
Primary Bug Location
At ShardValidateQueryRequest.java:[line 63]
```

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/validate/query/ValidateQueryRequest.java:93

ID: 19864 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/validate/query/ValidateQueryRequest.java

org.elasticsearch.action.admin.indices.validate.query.ValidateQueryRequest.types() may expose internal representation by returning ValidateQueryRequest.types

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/validate/query/ValidateQueryRequest.java:93 *****
Primary Bug Location
At ValidateQueryRequest.java:[line 93]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/explain (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/explain/ExplainRequest.java:134

ID: 12445 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/explain/ExplainRequest.java

org.elasticsearch.action.explain.ExplainRequest.storedFields() may expose internal representation by returning ExplainRequest.storedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/explain/ExplainRequest.java:134 ***** Primary Bug Location
At ExplainRequest.java:[line 134]

Location: elasticsearch-6.5.1/org/elasticsearch/action/explain/ExplainRequest.java:138

ID: 12446 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/explain/ExplainRequest.java

org.elasticsearch.action.explain.ExplainRequest.storedFields(String[]) may expose internal representation by storing an externally mutable object into ExplainRequest.storedFields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/explain/ExplainRequest.java:138 ***** Primary Bug Location
At ExplainRequest.java:[line 138]

Path: elasticsearch-6.5.1/org/elasticsearch/action/resync (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/resync/ResyncReplicationRequest.java:52

ID: 14403 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/resync/ResyncReplicationRequest.java

new org.elasticsearch.action.resync.ResyncReplicationRequest(ShardId, long, long, Translog\$Operation[]) may expose internal representation by storing an externally mutable object into ResyncReplicationRequest.operations

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/resync/ResyncReplicationRequest.java:52 ***** Primary Bug Location
At ResyncReplicationRequest.java:[line 52]

Location: elasticsearch-6.5.1/org/elasticsearch/action/resync/ResyncReplicationRequest.java:64

ID: 14402 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/resync/ResyncReplicationRequest.java

org.elasticsearch.action.resync.ResyncReplicationRequest.getOperations() may expose internal representation by returning ResyncReplicationRequest.operations

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/resync/ResyncReplicationRequest.java:64 ***** Primary Bug
Location
At ResyncReplicationRequest.java:[line 64]

Path: elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/BroadcastRequest.java:45

ID: 21651 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/BroadcastRequest.java

org.elasticsearch.action.support.broadcast.BroadcastRequest.indices() may expose internal representation by returning BroadcastRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/BroadcastRequest.java:45 ***** Primary Bug
Location
At BroadcastRequest.java:[line 45]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/BroadcastResponse.java:120

ID: 22521 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/BroadcastResponse.java

org.elasticsearch.action.support.broadcast.BroadcastResponse.getShardFailures() may expose internal representation by returning BroadcastResponse.shardFailures

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/BroadcastResponse.java:120 ***** Primary Bug Location
At BroadcastResponse.java:[line 120]

Path: elasticsearch-6.5.1/org/elasticsearch/action/support/master/info (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/master/info/ClusterInfoRequest.java:59

ID: 17857 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/master/info/ClusterInfoRequest.java

org.elasticsearch.action.support.master.info.ClusterInfoRequest.indices() may expose internal representation by returning ClusterInfoRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/master/info/ClusterInfoRequest.java:59 ***** Primary Bug Location
At ClusterInfoRequest.java:[line 59]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/master/info/ClusterInfoRequest.java:63

ID: 17858 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/master/info/ClusterInfoRequest.java

org.elasticsearch.action.support.master.info.ClusterInfoRequest.types() may expose internal representation by returning ClusterInfoRequest.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/master/info/ClusterInfoRequest.java:63 ***** Primary Bug Location
At ClusterInfoRequest.java:[line 63]

Path: elasticsearch-6.5.1/org/elasticsearch/action/support/tasks (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/tasks/BaseTasksRequest.java:81

ID: 14800 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/tasks/BaseTasksRequest.java

org.elasticsearch.action.support.tasks.BaseTasksRequest.getActions() may expose internal representation by returning BaseTasksRequest.actions

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/tasks/BaseTasksRequest.java:81 ***** Primary Bug Location
At BaseTasksRequest.java:[line 81]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/tasks/BaseTasksRequest.java:85

ID: 14799 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/tasks/BaseTasksRequest.java

org.elasticsearch.action.support.tasks.BaseTasksRequest.getNodes() may expose internal representation by returning BaseTasksRequest.nodes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/tasks/BaseTasksRequest.java:85 ***** Primary Bug Location
At BaseTasksRequest.java:[line 85]

Path: elasticsearch-6.5.1/org/elasticsearch/action/termvectors (2)

Location: elasticsearch-6.5.1/org/elasticsearch/action/termvectors/MultiTermVectorsResponse.java:113

ID: 4014 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/termvectors/MultiTermVectorsResponse.java

new org.elasticsearch.action.termvectors.MultiTermVectorsResponse(MultiTermVectorsItemResponse[]) may expose internal representation by storing an externally mutable object into MultiTermVectorsResponse.responses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/termvectors/MultiTermVectorsResponse.java:113 ***** Primary
Bug Location
At MultiTermVectorsResponse.java:[line 113]

Location: elasticsearch-6.5.1/org/elasticsearch/action/termvectors/MultiTermVectorsResponse.java:117

ID: 4013 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/termvectors/MultiTermVectorsResponse.java

org.elasticsearch.action.termvectors.MultiTermVectorsResponse.getResponses() may expose internal representation by returning MultiTermVectorsResponse.responses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/termvectors/MultiTermVectorsResponse.java:117 ***** Primary
Bug Location
At MultiTermVectorsResponse.java:[line 117]

Path: elasticsearch-6.5.1/org/elasticsearch/cluster/ack (2)

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/ack/IndicesClusterStateUpdateRequest.java:34

ID: 10739 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/ack/IndicesClusterStateUpdateRequest.java

org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest.indices() may expose internal representation by returning IndicesClusterStateUpdateRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/cluster/ack/IndicesClusterStateUpdateRequest.java:34 ***** Primary
Bug Location
At IndicesClusterStateUpdateRequest.java:[line 34]

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/ack/IndicesClusterStateUpdateRequest.java:42

ID: 10740 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/ack/IndicesClusterStateUpdateRequest.java

org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest.indices(Index[]) may expose internal representation by storing an externally mutable object into IndicesClusterStateUpdateRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/cluster/ack/IndicesClusterStateUpdateRequest.java:42 ***** Primary Bug Location
At IndicesClusterStateUpdateRequest.java:[line 42]

Path: elasticsearch-6.5.1/org/elasticsearch/common (2)

Location: elasticsearch-6.5.1/org/elasticsearch/common/ParseField.java:75
ID: 20620 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/common/ParseField.java

org.elasticsearch.common.ParseField.getAllNamesIncludedDeprecated() may expose internal representation by returning ParseField.allNames
Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/ParseField.java:75 ***** Primary Bug Location
At ParseField.java:[line 75]

Location: elasticsearch-6.5.1/org/elasticsearch/common/ParseField.java:150
ID: 20621 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/common/ParseField.java

org.elasticsearch.common.ParseField.getDeprecatedNames() may expose internal representation by returning ParseField.deprecatedNames

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/ParseField.java:150 ***** Primary Bug Location
At ParseField.java:[line 150]

Path: elasticsearch-6.5.1/org/elasticsearch/common/bytes (2)

Location: elasticsearch-6.5.1/org/elasticsearch/common/bytes/ByteArray.java:53
ID: 20853 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/common/bytes/ByteArray.java

new org.elasticsearch.common.bytes.ByteArray(byte[], int, int) may expose internal representation by storing an externally mutable object into ByteArray.bytes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/bytes/ByteArray.java:53 ***** Primary Bug Location
At ByteArray.java:[line 53]

Location: elasticsearch-6.5.1/org/elasticsearch/common/bytes/ByteArray.java:77
ID: 20852 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/bytes/ByteArray.java

org.elasticsearch.common.bytes.ByteArray.array() may expose internal representation by returning ByteArray.bytes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/bytes/ByteArray.java:77 ***** Primary Bug Location
At ByteArray.java:[line 77]

Path: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/function (2)

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/function/FunctionScoreQuery.java:177

ID: 7760 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/function/FunctionScoreQuery.java

new org.elasticsearch.common.lucene.search.function.FunctionScoreQuery(Query, FunctionScoreQuery\$coreMode, ScoreFunction[], CombineFunction, Float, float) may expose internal representation by storing an externally mutable object into FunctionScoreQuery.functions

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/function/FunctionScoreQuery.java:177 *****
Primary Bug Location
At FunctionScoreQuery.java:[line 177]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/function/FunctionScoreQuery.java:188

ID: 7758 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/function/FunctionScoreQuery.java

org.elasticsearch.common.lucene.search.function.FunctionScoreQuery.getFunctions() may expose internal representation by returning FunctionScoreQuery.functions

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/search/function/FunctionScoreQuery.java:188 *****
Primary Bug Location
At FunctionScoreQuery.java:[line 188]

Path: elasticsearch-6.5.1/org/elasticsearch/common/transport (2)

Location: elasticsearch-6.5.1/org/elasticsearch/common/transport/BoundTransportAddress.java:48

ID: 5154 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/transport/BoundTransportAddress.java

new org.elasticsearch.common.transport.BoundTransportAddress(TransportAddress[], TransportAddress) may expose internal representation by storing an externally mutable object into BoundTransportAddress.boundAddresses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/transport/BoundTransportAddress.java:48 ***** Primary Bug Location
At BoundTransportAddress.java:[line 48]

Location: elasticsearch-6.5.1/org/elasticsearch/common/transport/BoundTransportAddress.java:53

ID: 5153 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/transport/BoundTransportAddress.java

org.elasticsearch.common.transport.BoundTransportAddress.boundAddresses() may expose internal representation by returning BoundTransportAddress.boundAddresses

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/transport/BoundTransportAddress.java:53 ***** Primary Bug Location
At BoundTransportAddress.java:[line 53]

Path: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore (2)

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/FunctionScoreQueryBuilder.java:141

ID: 11420 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/FunctionScoreQueryBuilder.java

new org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder(QueryBuilder, FunctionScoreQueryBuilder\$FilterFunctionBuilder[]) may expose internal representation by storing an externally mutable object into FunctionScoreQueryBuilder.filterFunctionBuilders

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/FunctionScoreQueryBuilder.java:141 ***** Primary Bug Location
At FunctionScoreQueryBuilder.java:[line 141]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/FunctionScoreQueryBuilder.java:178

ID: 11421 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/FunctionScoreQueryBuilder.java

org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder.filterFunctionBuilders() may expose internal representation by returning FunctionScoreQueryBuilder.filterFunctionBuilders

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/FunctionScoreQueryBuilder.java:178 ***** Primary Bug Location
At FunctionScoreQueryBuilder.java:[line 178]

Path: elasticsearch-6.5.1/org/elasticsearch/indices/breaker (2)

Location: elasticsearch-6.5.1/org/elasticsearch/indices/breaker/AllCircuitBreakerStats.java:38

ID: 307 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/indices/breaker/AllCircuitBreakerStats.java

new org.elasticsearch.indices.breaker.AllCircuitBreakerStats(CircuitBreakerStats[]) may expose internal representation by storing an externally mutable object into AllCircuitBreakerStats.allStats

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/indices/breaker/AllCircuitBreakerStats.java:38 ***** Primary Bug Location
At AllCircuitBreakerStats.java:[line 38]

Location: elasticsearch-6.5.1/org/elasticsearch/indices/breaker/AllCircuitBreakerStats.java:51

ID: 306 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/indices/breaker/AllCircuitBreakerStats.java

org.elasticsearch.indices.breaker.AllCircuitBreakerStats.getAllStats() may expose internal representation by returning AllCircuitBreakerStats.allStats

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/indices/breaker/AllCircuitBreakerStats.java:51 ***** Primary Bug Location
At AllCircuitBreakerStats.java:[line 51]

Path: elasticsearch-6.5.1/org/elasticsearch/monitor/os (2)

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/os/OsStats.java:135

ID: 6406 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/os/OsStats.java

new org.elasticsearch.monitor.os.OsStats\$Cpu(short, double[]) may expose internal representation by storing an externally mutable object into OsStats\$Cpu.loadAverage

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/os/OsStats.java:135 ***** Primary Bug Location
At OsStats.java:[line 135]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/os/OsStats.java:163

ID: 6404 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/monitor/os/OsStats.java

org.elasticsearch.monitor.os.OsStats\$Cpu.getLoadAverage() may expose internal representation by returning OsStats\$Cpu.loadAverage

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/monitor/os/OsStats.java:163 ***** Primary Bug Location
At OsStats.java:[line 163]

Path: elasticsearch-6.5.1/org/elasticsearch/script/mustache (2)

Location: elasticsearch-6.5.1/org/elasticsearch/script/mustache/MultiSearchTemplateResponse.java:124

ID: 245 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/script/mustache/MultiSearchTemplateResponse.java

new org.elasticsearch.script.mustache.MultiSearchTemplateResponse(MultiSearchTemplateResponse\$item[]) may expose internal representation by storing an externally mutable object into MultiSearchTemplateResponse.items

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/script/mustache/MultiSearchTemplateResponse.java:124 *****
Primary Bug Location
At MultiSearchTemplateResponse.java:[line 124]

Location: elasticsearch-6.5.1/org/elasticsearch/script/mustache/MultiSearchTemplateResponse.java:136

ID: 244 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/script/mustache/MultiSearchTemplateResponse.java

org.elasticsearch.script.mustache.MultiSearchTemplateResponse.getResponses() may expose internal representation by returning MultiSearchTemplateResponse.items

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/script/mustache/MultiSearchTemplateResponse.java:136 *****
Primary Bug Location
At MultiSearchTemplateResponse.java:[line 136]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/adjacency (2)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/adjacency/AdjacencyMatrixAggregator.java:142

ID: 1016 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/adjacency/AdjacencyMatrixAggregator.java

new org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator(String, AggregatorFactories, String, String[], Weight[], SearchContext, Aggregator, List, Map) may expose internal representation by storing an externally mutable object into AdjacencyMatrixAggregator.keys

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/adjacency/AdjacencyMatrixAggregator.java:142 ***** Primary Bug Location
    At AdjacencyMatrixAggregator.java:[line 142]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/adjacency/AdjacencyMatrixAggregator.java:143

ID: 1015 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/adjacency/AdjacencyMatrixAggregator.java

```
new org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator(String,
AggregatorFactories, String, String[], Weight[], SearchContext, Aggregator, List, Map) may expose internal
representation by storing an externally mutable object into AdjacencyMatrixAggregator.filters
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/adjacency/AdjacencyMatrixAggregator.java:143 ***** Primary Bug Location
    At AdjacencyMatrixAggregator.java:[line 143]
```

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/filter (2)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/filter/FiltersAggregator.java:130

ID: 22117 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/filter/FiltersAggregator.java

```
new org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregator(String, AggregatorFactories, String[],
Supplier, boolean, String, SearchContext, Aggregator, List, Map) may expose internal representation by storing an
externally mutable object into FiltersAggregator.keys
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/filter/FiltersAggregator.java:130 *****
Primary Bug Location
    At FiltersAggregator.java:[line 130]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/filter/FiltersAggregatorFactory.java:83

ID: 24827 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/filter/FiltersAggregatorFactory.java

```
org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregatorFactory.getWeights() may expose internal
representation by returning FiltersAggregatorFactory.weights
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/filter/FiltersAggregatorFactory.java:83
***** Primary Bug Location
```

At FiltersAggregatorFactory.java:[line 83]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/histogram (2)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/histogram/
AutoDateHistogramAggregationBuilder.java:209**ID:** 11317 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/histogram/
AutoDateHistogramAggregationBuilder.java

```
new org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregationBuilder$RoundingInfo(Rounding, long, String, int[]) may expose internal representation by storing an externally mutable object into AutoDateHistogramAggregationBuilder$RoundingInfo.innerIntervals
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/histogram/AutoDateHistogramAggregationBuilder.java:209 ***** Primary Bug Location
At AutoDateHistogramAggregationBuilder.java:[line 209]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/histogram/
AutoDateHistogramAggregatorFactory.java:48**ID:** 25138 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/histogram/
AutoDateHistogramAggregatorFactory.java

```
new org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregatorFactory(String, ValuesSourceConfig, int, AutoDateHistogramAggregationBuilder$RoundingInfo[], SearchContext, AggregatorFactory, AggregatorFactories$Builder, Map) may expose internal representation by storing an externally mutable object into AutoDateHistogramAggregatorFactory.roundingInfos
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/histogram/AutoDateHistogramAggregatorFactory.java:48 ***** Primary Bug Location
At AutoDateHistogramAggregatorFactory.java:[line 48]
```

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles (2)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/
PercentileRanksAggregationBuilder.java:173**ID:** 23094 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/
PercentileRanksAggregationBuilder.java

```
org.elasticsearch.search.aggregations.metrics.percentiles.PercentileRanksAggregationBuilder.values() may expose internal representation by returning PercentileRanksAggregationBuilder.values
```

Bug Path:


```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/PercentileRanksAggregationBuilder.java:173 ***** Primary Bug Location
At PercentileRanksAggregationBuilder.java:[line 173]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/PercentilesAggregationBuilder.java:196

ID: 9567 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/PercentilesAggregationBuilder.java

org.elasticsearch.search.aggregations.metrics.percentiles.PercentilesAggregationBuilder.percentiles() may expose internal representation by returning PercentilesAggregationBuilder.percents

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/metrics/percentiles/PercentilesAggregationBuilder.java:196 ***** Primary Bug Location
At PercentilesAggregationBuilder.java:[line 196]
```

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics (2)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/InternalBucketMetricValue.java:47

ID: 22636 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/InternalBucketMetricValue.java

new org.elasticsearch.search.aggregations.pipeline.bucketmetrics.InternalBucketMetricValue(String, String[], double, DocValueFormat, List, Map) may expose internal representation by storing an externally mutable object into InternalBucketMetricValue.keys

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/InternalBucketMetricValue.java:47 ***** Primary Bug Location
At InternalBucketMetricValue.java:[line 47]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/InternalBucketMetricValue.java:81

ID: 22635 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/InternalBucketMetricValue.java

org.elasticsearch.search.aggregations.pipeline.bucketmetrics.InternalBucketMetricValue.keys() may expose internal representation by returning InternalBucketMetricValue.keys

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/bucketmetrics/InternalBucket
MetricValue.java:81 ***** Primary Bug Location
At InternalBucketMetricValue.java:[line 81]
```

Path: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase (2)

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/FetchSourceContext.java:85
ID: 11816 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/FetchSourceContext.java

```
org.elasticsearch.search.fetch.subphase.FetchSourceContext.includes() may expose internal representation by
returning FetchSourceContext.includes
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/FetchSourceContext.java:85 ***** Primary Bug
Location
At FetchSourceContext.java:[line 85]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/FetchSourceContext.java:89
ID: 11815 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/FetchSourceContext.java

```
org.elasticsearch.search.fetch.subphase.FetchSourceContext.excludes() may expose internal representation by
returning FetchSourceContext.excludes
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/subphase/FetchSourceContext.java:89 ***** Primary Bug
Location
At FetchSourceContext.java:[line 89]
```

Path: elasticsearch-6.5.1/org/elasticsearch/search/query (2)

Location: elasticsearch-6.5.1/org/elasticsearch/search/query/QuerySearchResult.java:131
ID: 9282 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/search/query/QuerySearchResult.java

```
org.elasticsearch.search.query.QuerySearchResult.topDocs(TopDocs, DocValueFormat[]) may expose internal
representation by storing an externally mutable object into QuerySearchResult.sortValueFormats
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/query/QuerySearchResult.java:131 ***** Primary Bug Location
At QuerySearchResult.java:[line 131]
```

Location: elasticsearch-6.5.1/org/elasticsearch/search/query/QuerySearchResult.java:142

ID: 9281 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/query/QuerySearchResult.java

org.elasticsearch.search.query.QuerySearchResult.sortValueFormats() may expose internal representation by returning QuerySearchResult.sortValueFormats

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/query/QuerySearchResult.java:142 ***** Primary Bug Location
At QuerySearchResult.java:[line 142]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ccr/action (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ccr/action/FollowStatsAction.java:137

ID: 7202 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ccr/action/FollowStatsAction.java

org.elasticsearch.xpack.core.ccr.action.FollowStatsAction\$StatsRequest.indices() may expose internal representation by returning FollowStatsAction\$StatsRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ccr/action/FollowStatsAction.java:137 ***** Primary Bug Location
At FollowStatsAction.java:[line 137]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ccr/action/FollowStatsAction.java:141

ID: 7203 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ccr/action/FollowStatsAction.java

org.elasticsearch.xpack.core.ccr.action.FollowStatsAction\$StatsRequest.setIndices(String[]) may expose internal representation by storing an externally mutable object into FollowStatsAction\$StatsRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ccr/action/FollowStatsAction.java:141 ***** Primary Bug Location
At FollowStatsAction.java:[line 141]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/output (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/output/FlushAcknowledgement.java:49

ID: 16336 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/output/FlushAcknowledgement.java

new org.elasticsearch.xpack.core.ml.job.process.autodetect.output.FlushAcknowledgement(String, Date) may expose internal representation by storing an externally mutable object into FlushAcknowledgement.lastFinalizedBucketEnd

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/output/FlushAcknowledgement.java:49 ***** Primary Bug Location
At FlushAcknowledgement.java:[line 49]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/output/FlushAcknowledgement.java:72

ID: 16335 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/output/FlushAcknowledgement.java

org.elasticsearch.xpack.core.ml.job.process.autodetect.output.FlushAcknowledgement.getLastFinalizedBucketEnd() may expose internal representation by returning FlushAcknowledgement.lastFinalizedBucketEnd

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/process/autodetect/output/FlushAcknowledgement.java:72 ***** Primary Bug Location
At FlushAcknowledgement.java:[line 72]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/notifications (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/notifications/AuditMessage.java:120

ID: 9580 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/notifications/AuditMessage.java

org.elasticsearch.xpack.core.ml.notifications.AuditMessage.getTimestamp() may expose internal representation by returning AuditMessage.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/notifications/AuditMessage.java:120 ***** Primary Bug Location
At AuditMessage.java:[line 120]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/notifications/AuditMessage.java:124

ID: 9581 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/notifications/AuditMessage.java

org.elasticsearch.xpack.core.ml.notifications.AuditMessage.setTimestamp(Date) may expose internal representation by storing an externally mutable object into AuditMessage.timestamp

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/notifications/AuditMessage.java:124 ***** Primary Bug
Location
At AuditMessage.java:[line 124]
```

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/action (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/action/GetRollupIndexCapsAction.java:65
ID: 3555 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/action/GetRollupIndexCapsAction.java

```
new org.elasticsearch.xpack.core.rollup.action.GetRollupIndexCapsAction$Request(String[], IndicesOptions)
may expose internal representation by storing an externally mutable object into GetRollupIndexCapsAction
$Request.indices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/action/GetRollupIndexCapsAction.java:65 *****
Primary Bug Location
At GetRollupIndexCapsAction.java:[line 65]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/action/GetRollupIndexCapsAction.java:78
ID: 3554 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/action/GetRollupIndexCapsAction.java

```
org.elasticsearch.xpack.core.rollup.action.GetRollupIndexCapsAction$Request.indices() may expose internal
representation by returning GetRollupIndexCapsAction$Request.indices
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/action/GetRollupIndexCapsAction.java:78 *****
Primary Bug Location
At GetRollupIndexCapsAction.java:[line 78]
```

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/rolemapping (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/rolemapping/GetRoleMappingsRequest.java:53
ID: 6345 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/rolemapping/GetRoleMappingsRequest.java

```
org.elasticsearch.xpack.core.security.action.rolemapping.GetRoleMappingsRequest.getNames() may expose internal
representation by returning GetRoleMappingsRequest.names
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/rolemapping/GetRoleMappingsReq
uest.java:53 ***** Primary Bug Location
```

At GetRoleMappingsRequest.java:[line 53]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/rolemapping/GetRoleMappingsResponse.java:29

ID: 3513 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/rolemapping/GetRoleMappingsResponse.java

org.elasticsearch.xpack.core.security.action.rolemapping.GetRoleMappingsResponse.mappings() may expose internal representation by returning GetRoleMappingsResponse.mappings

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/rolemapping/GetRoleMappingsResponse.java:29 ***** Primary Bug Location
At GetRoleMappingsResponse.java:[line 29]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/saml (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/saml/SamlAuthenticateRequest.java:30

ID: 21325 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/saml/SamlAuthenticateRequest.java

org.elasticsearch.xpack.core.security.action.saml.SamlAuthenticateRequest.getSaml() may expose internal representation by returning SamlAuthenticateRequest.saml

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/saml/SamlAuthenticateRequest.java:30 ***** Primary Bug Location
At SamlAuthenticateRequest.java:[line 30]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/saml/SamlAuthenticateRequest.java:34

ID: 21326 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/saml/SamlAuthenticateRequest.java

org.elasticsearch.xpack.core.security.action.saml.SamlAuthenticateRequest.setSaml(byte[]) may expose internal representation by storing an externally mutable object into SamlAuthenticateRequest.saml

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/action/saml/SamlAuthenticateRequest.java:34 ***** Primary Bug Location
At SamlAuthenticateRequest.java:[line 34]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc/TokenMetaData.java:38

ID: 22323 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc/TokenMetaData.java

org.elasticsearch.xpack.core.security.authc.TokenMetaData.getCurrentKeyHash() may expose internal representation by returning TokenMetaData.currentKeyHash

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc/TokenMetaData.java:38 ***** Primary Bug Location
At TokenMetaData.java:[line 38]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc/TokenMetaData.java:43

ID: 22324 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc/TokenMetaData.java

new org.elasticsearch.xpack.core.security.authc.TokenMetaData(List, byte[]) may expose internal representation by storing an externally mutable object into TokenMetaData.currentKeyHash

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc/TokenMetaData.java:43 ***** Primary Bug Location
At TokenMetaData.java:[line 43]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/common/secret (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/common/secret/Secret.java:18

ID: 16444 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/common/secret/Secret.java

new org.elasticsearch.xpack.core.watcher.common.secret.Secret(char[]) may expose internal representation by storing an externally mutable object into Secret.text

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/common/secret/Secret.java:18 ***** Primary Bug Location
At Secret.java:[line 18]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/common/secret/Secret.java:23

ID: 16443 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/common/secret/Secret.java

org.elasticsearch.xpack.core.watcher.common.secret.Secret.text(CryptoService) may expose internal representation by returning Secret.text

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/common/secret/Secret.java:23 ***** Primary Bug Location
At Secret.java:[line 23]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/execution (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/execution/WatchExecutionSnapshot.java:47

ID: 1442 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/execution/WatchExecutionSnapshot.java

new org.elasticsearch.xpack.core.watcher.execution.WatchExecutionSnapshot(WatchExecutionContext, StackTraceElement[]) may expose internal representation by storing an externally mutable object into WatchExecutionSnapshot.executionStackTrace

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/execution/WatchExecutionSnapshot.java:47 ***** Primary Bug Location
At WatchExecutionSnapshot.java:[line 47]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/execution/WatchExecutionSnapshot.java:71

ID: 1441 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/execution/WatchExecutionSnapshot.java

org.elasticsearch.xpack.core.watcher.execution.WatchExecutionSnapshot.executionStackTrace() may expose internal representation by returning WatchExecutionSnapshot.executionStackTrace

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/execution/WatchExecutionSnapshot.java:71 ***** Primary Bug Location
At WatchExecutionSnapshot.java:[line 71]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/kerberos (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/kerberos/KerberosAuthenticationToken.java:42

ID: 15818 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/kerberos/KerberosAuthenticationToken.java

new org.elasticsearch.xpack.security.authc.kerberos.KerberosAuthenticationToken(byte[]) may expose internal representation by storing an externally mutable object into KerberosAuthenticationToken.decodedToken

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/kerberos/KerberosAuthenticationToken.java:42 ***** Primary Bug Location

At KerberosAuthenticationToken.java:[line 42]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/kerberos/KerberosAuthenticationToken.java:87

ID: 15817 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/kerberos/KerberosAuthenticationToken.java

org.elasticsearch.xpack.security.authc.kerberos.KerberosAuthenticationToken.credentials() may expose internal representation by returning KerberosAuthenticationToken.decodedToken

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/kerberos/KerberosAuthenticationToken.java:87
***** Primary Bug Location
At KerberosAuthenticationToken.java:[line 87]
```

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/pki (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/pki/X509AuthenticationToken.java:20

ID: 13382 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/pki/X509AuthenticationToken.java

new org.elasticsearch.xpack.security.authc.pki.X509AuthenticationToken(X509Certificate[], String, String) may expose internal representation by storing an externally mutable object into X509AuthenticationToken.credentials

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/pki/X509AuthenticationToken.java:20 *****
Primary Bug Location
At X509AuthenticationToken.java:[line 20]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/pki/X509AuthenticationToken.java:31

ID: 13381 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/pki/X509AuthenticationToken.java

org.elasticsearch.xpack.security.authc.pki.X509AuthenticationToken.credentials() may expose internal representation by returning X509AuthenticationToken.credentials

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/pki/X509AuthenticationToken.java:31 *****
Primary Bug Location
At X509AuthenticationToken.java:[line 31]
```

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client/Bytes.java:17

ID: 18664 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client/Bytes.java

new org.elasticsearch.xpack.sql.client.Bytes(byte[], int) may expose internal representation by storing an externally mutable object into Bytes.buf

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client/Bytes.java:17 ***** Primary Bug Location
At Bytes.java:[line 17]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client/Bytes.java:22

ID: 18663 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client/Bytes.java

org.elasticsearch.xpack.sql.client.Bytes.bytes() may expose internal representation by returning Bytes.buf

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client/Bytes.java:22 ***** Primary Bug Location
At Bytes.java:[line 22]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/pagerduty (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/pagerduty/IncidentEvent.java:68

ID: 7820 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/pagerduty/IncidentEvent.java

new org.elasticsearch.xpack.watcher.notification.pagerduty.IncidentEvent(String, String, String, String, String, String, boolean, IncidentEventContext[], HttpProxy) may expose internal representation by storing an externally mutable object into IncidentEvent.contexts

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/pagerduty/IncidentEvent.java:68 *****
Primary Bug Location
At IncidentEvent.java:[line 68]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/pagerduty/IncidentEvent.java:230

ID: 7821 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/pagerduty/IncidentEvent.java

new org.elasticsearch.xpack.watcher.notification.pagerduty.IncidentEvent\$Template(TextTemplate, TextTemplate, TextTemplate, TextTemplate, TextTemplate, String, Boolean, IncidentEventContext\$Template[], HttpProxy) may expose internal representation by storing an externally mutable object into IncidentEvent\$Template.contexts

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/pagerduty/IncidentEvent.java:230 *****  
Primary Bug Location  
At IncidentEvent.java:[line 230]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/health (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/health/ClusterHealthRequest.java:64
ID: 17413 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/health/ClusterHealthRequest.java

org.elasticsearch.action.admin.cluster.health.ClusterHealthRequest.indices() may expose internal representation by returning ClusterHealthRequest.indices

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/health/ClusterHealthRequest.java:64 *****  
Primary Bug Location  
At ClusterHealthRequest.java:[line 64]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/create (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/create/CreateSnapshotRequest.java:200
ID: 360 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/create/CreateSnapshotRequest.java

org.elasticsearch.action.admin.cluster.snapshots.create.CreateSnapshotRequest.indices() may expose internal representation by returning CreateSnapshotRequest.indices

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/snapshots/create/CreateSnapshotRequest.java:200 *****  
Primary Bug Location  
At CreateSnapshotRequest.java:[line 200]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/state (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/state/ClusterStateRequest.java:108
ID: 23085 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]
Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/state/ClusterStateRequest.java

org.elasticsearch.action.admin.cluster.state.ClusterStateRequest.indices() may expose internal representation by returning ClusterStateRequest.indices

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/cluster/state/ClusterStateRequest.java:108 ***** Primary  
Bug Location
```

At ClusterStateRequest.java:[line 108]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/cache/clear (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/cache/clear/ClearIndicesCacheRequest.java:78

ID: 10592 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/cache/clear/ClearIndicesCacheRequest.java

org.elasticsearch.action.admin.indices.cache.clear.ClearIndicesCacheRequest.fields() may expose internal representation by returning ClearIndicesCacheRequest.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/cache/clear/ClearIndicesCacheRequest.java:78

***** Primary Bug Location

At ClearIndicesCacheRequest.java:[line 78]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/close (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/close/CloseIndexRequest.java:67

ID: 6749 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/close/CloseIndexRequest.java

org.elasticsearch.action.admin.indices.close.CloseIndexRequest.indices() may expose internal representation by returning CloseIndexRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/close/CloseIndexRequest.java:67 ***** Primary

Bug Location

At CloseIndexRequest.java:[line 67]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/delete (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/delete/DeleteIndexRequest.java:94

ID: 2615 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/delete/DeleteIndexRequest.java

org.elasticsearch.action.admin.indices.delete.DeleteIndexRequest.indices() may expose internal representation by returning DeleteIndexRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/delete/DeleteIndexRequest.java:94 ***** Primary

Bug Location

At DeleteIndexRequest.java:[line 94]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/indices (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/indices/IndicesExistsRequest.java:50

ID: 17351 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/indices/IndicesExistsRequest.java

org.elasticsearch.action.admin.indices.exists.indices.IndicesExistsRequest.indices() may expose internal representation by returning IndicesExistsRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/exists/indices/IndicesExistsRequest.java:50 *****
Primary Bug Location
At IndicesExistsRequest.java:[line 50]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/put (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/put/PutMappingRequest.java:142

ID: 6044 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/put/PutMappingRequest.java

org.elasticsearch.action.admin.indices.mapping.put.PutMappingRequest.indices() may expose internal representation by returning PutMappingRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/mapping/put/PutMappingRequest.java:142 *****
Primary Bug Location
At PutMappingRequest.java:[line 142]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/open (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/open/OpenIndexRequest.java:70

ID: 18573 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/open/OpenIndexRequest.java

org.elasticsearch.action.admin.indices.open.OpenIndexRequest.indices() may expose internal representation by returning OpenIndexRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/open/OpenIndexRequest.java:70 ***** Primary Bug Location
At OpenIndexRequest.java:[line 70]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/segments (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/segments/IndexShardSegments.java:47

ID: 5016 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/segments/IndexShardSegments.java

org.elasticsearch.action.admin.indices.segments.IndexShardSegments.getShards() may expose internal representation by returning IndexShardSegments.shards

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/segments/IndexShardSegments.java:47 *****

Primary Bug Location

At IndexShardSegments.java:[line 47]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/put (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/put/UpdateSettingsRequest.java:88

ID: 1798 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/put/UpdateSettingsRequest.java

org.elasticsearch.action.admin.indices.settings.put.UpdateSettingsRequest.indices() may expose internal representation by returning UpdateSettingsRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/settings/put/UpdateSettingsRequest.java:88 *****

Primary Bug Location

At UpdateSettingsRequest.java:[line 88]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/shards (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/shards/IndicesShardStoresRequest.java:97

ID: 7778 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/shards/IndicesShardStoresRequest.java

org.elasticsearch.action.admin.indices.shards.IndicesShardStoresRequest.indices() may expose internal representation by returning IndicesShardStoresRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/shards/IndicesShardStoresRequest.java:97 *****

Primary Bug Location

At IndicesShardStoresRequest.java:[line 97]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/template/get (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/template/get/GetIndexTemplatesRequest.java:72

ID: 15601 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/template/get/GetIndexTemplatesRequest.java

org.elasticsearch.action.admin.indices.template.get.GetIndexTemplatesRequest.names() may expose internal representation by returning GetIndexTemplatesRequest.names

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/template/get/GetIndexTemplatesRequest.java:72
***** Primary Bug Location
At GetIndexTemplatesRequest.java:[line 72]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/upgrade/get (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/upgrade/get/IndexShardUpgradeStatus.java:47

ID: 6260 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/upgrade/get/IndexShardUpgradeStatus.java

org.elasticsearch.action.admin.indices.upgrade.get.IndexShardUpgradeStatus.getShards() may expose internal representation by returning IndexShardUpgradeStatus.shards

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/upgrade/get/IndexShardUpgradeStatus.java:47
***** Primary Bug Location
At IndexShardUpgradeStatus.java:[line 47]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/ingest (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/ingest/GetPipelineRequest.java:46

ID: 16532 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/ingest/GetPipelineRequest.java

org.elasticsearch.action.ingest.GetPipelineRequest.getIds() may expose internal representation by returning GetPipelineRequest.ids

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/ingest/GetPipelineRequest.java:46 ***** Primary Bug Location
At GetPipelineRequest.java:[line 46]
```

Path: elasticsearch-6.5.1/org/elasticsearch/action/support (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/ActionFilters.java:47

ID: 2972 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/ActionFilters.java

org.elasticsearch.action.support.ActionFilters.filters() may expose internal representation by returning ActionFilters.filters

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/ActionFilters.java:47 ***** Primary Bug Location
At ActionFilters.java:[line 47]

Path: elasticsearch-6.5.1/org/elasticsearch/action/support/replication (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/replication/ReplicationResponse.java:121

ID: 14562 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/replication/ReplicationResponse.java

org.elasticsearch.action.support.replication.ReplicationResponse\$ShardInfo.getFailures() may expose internal representation by returning ReplicationResponse\$ShardInfo.failures

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/replication/ReplicationResponse.java:121 ***** Primary Bug Location
At ReplicationResponse.java:[line 121]

Path: elasticsearch-6.5.1/org/elasticsearch/action/update (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/update/UpdateRequest.java:452

ID: 15664 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/action/update/UpdateRequest.java

org.elasticsearch.action.update.UpdateRequest.fields() may expose internal representation by returning UpdateRequest.fields

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/update/UpdateRequest.java:452 ***** Primary Bug Location
At UpdateRequest.java:[line 452]

Path: elasticsearch-6.5.1/org/elasticsearch/client (1)

Location: elasticsearch-6.5.1/org/elasticsearch/client/RestClientBuilder.java:90

ID: 13881 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/client/RestClientBuilder.java

org.elasticsearch.client.RestClientBuilder.setDefaultHeaders(Header[]) may expose internal representation by storing an externally mutable object into RestClientBuilder.defaultHeaders

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/client/RestClientBuilder.java:90 ***** Primary Bug Location
At RestClientBuilder.java:[line 90]

Path: elasticsearch-6.5.1/org/elasticsearch/common/compress (1)

Location: elasticsearch-6.5.1/org/elasticsearch/common/compress/CompressedXContent.java:132**ID:** 10597 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/common/compress/CompressedXContent.java

org.elasticsearch.common.compress.CompressedXContent.compressed() may expose internal representation by returning CompressedXContent.bytes

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/compress/CompressedXContent.java:132 ***** Primary Bug
Location
At CompressedXContent.java:[line 132]
```

Path: elasticsearch-6.5.1/org/elasticsearch/common/lucene/store (1)

Location: elasticsearch-6.5.1/org/elasticsearch/common/lucene/store/ByteArrayIndexInput.java:44**ID:** 25053 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/common/lucene/store/ByteArrayIndexInput.java

new org.elasticsearch.common.lucene.store.ByteArrayIndexInput(String, byte[], int, int) may expose internal representation by storing an externally mutable object into ByteArrayIndexInput.bytes

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/lucene/store/ByteArrayIndexInput.java:44 ***** Primary Bug
Location
At ByteArrayIndexInput.java:[line 44]
```

Path: elasticsearch-6.5.1/org/elasticsearch/common/settings (1)

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/SecureString.java:141**ID:** 17323 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM**Reported by FindBugs:** FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]**Location:** elasticsearch-6.5.1/org/elasticsearch/common/settings/SecureString.java

org.elasticsearch.common.settings.SecureString.getChars() may expose internal representation by returning SecureString.chars

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/settings/SecureString.java:141 ***** Primary Bug Location
At SecureString.java:[line 141]
```

Path: elasticsearch-6.5.1/org/elasticsearch/common/xcontent/support/filtering (1)

Location: elasticsearch-6.5.1/org/elasticsearch/common/xcontent/support/filtering/FilterPathBasedFilter.java:53**ID:** 20331 **Status:** Unresolved **Detection Method:** Static Analysis**First Seen:** Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/common/xcontent/support/filtering/FilterPathBasedFilter.java

new org.elasticsearch.common.xcontent.support.filtering.FilterPathBasedFilter(FilterPath[], boolean) may expose internal representation by storing an externally mutable object into FilterPathBasedFilter.filters

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/xcontent/support/filtering/FilterPathBasedFilter.java:53 *****
Primary Bug Location
At FilterPathBasedFilter.java:[line 53]

Path: elasticsearch-6.5.1/org/elasticsearch/index/get (1)

Location: elasticsearch-6.5.1/org/elasticsearch/index/get/GetResult.java:129

ID: 16680 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/get/GetResult.java

org.elasticsearch.index.get.GetResult.source() may expose internal representation by returning
GetResult.sourceAsBytes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/get/GetResult.java:129 ***** Primary Bug Location
At GetResult.java:[line 129]
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/get/GetResult.java:132 ***
Another occurrence at GetResult.java:[line 132]

Path: elasticsearch-6.5.1/org/elasticsearch/index/rankeval (1)

Location: elasticsearch-6.5.1/org/elasticsearch/index/rankeval/RankEvalRequest.java:113

ID: 22330 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/index/rankeval/RankEvalRequest.java

org.elasticsearch.index.rankeval.RankEvalRequest.indices() may expose internal representation by returning
RankEvalRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/rankeval/RankEvalRequest.java:113 ***** Primary Bug Location
At RankEvalRequest.java:[line 113]

Path: elasticsearch-6.5.1/org/elasticsearch/ingest (1)

Location: elasticsearch-6.5.1/org/elasticsearch/ingest/ValueSource.java:193

ID: 22747 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/ingest/ValueSource.java

org.elasticsearch.ingest.ValueSource\$ByteValue.copyAndResolve(Map) may expose internal representation by returning ValueSource\$ByteValue.value

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/ingest/ValueSource.java:193 ***** Primary Bug Location
At ValueSource.java:[line 193]

Path: elasticsearch-6.5.1/org/elasticsearch/painless/node (1)

Location: elasticsearch-6.5.1/org/elasticsearch/painless/node/SSource.java:493

ID: 622 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/painless/node/SSource.java

org.elasticsearch.painless.node.SSource.getBytes() may expose internal representation by returning SSource.bytes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/painless/node/SSource.java:493 ***** Primary Bug Location
At SSource.java:[line 493]

Path: elasticsearch-6.5.1/org/elasticsearch/plugins (1)

Location: elasticsearch-6.5.1/org/elasticsearch/plugins/ActionPlugin.java:154

ID: 21862 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/plugins/ActionPlugin.java

org.elasticsearch.plugins.ActionPlugin\$ActionHandler.getSupportTransportActions() may expose internal representation by returning ActionPlugin\$ActionHandler.supportTransportActions

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/plugins/ActionPlugin.java:154 ***** Primary Bug Location
At ActionPlugin.java:[line 154]

Path: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/migration (1)

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/migration/IndexUpgradeInfoRequest.java:38

ID: 17421 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/migration/IndexUpgradeInfoRequest.java

org.elasticsearch.protocol.xpack.migration.IndexUpgradeInfoRequest.indices() may expose internal representation by returning IndexUpgradeInfoRequest.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/protocol/xpack/migration/IndexUpgradeInfoRequest.java:38 *****
Primary Bug Location

At IndexUpgradeInfoRequest.java:[line 38]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/significant (1)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/significant/SignificantTextAggregator.java:86

ID: 7381 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/significant/SignificantTextAggregator.java

new org.elasticsearch.search.aggregations.bucket.significant.SignificantTextAggregator(String, AggregatorFactories, SearchContext, Aggregator, List, TermsAggregator\$BucketCountThresholds, IncludeExclude\$StringFilter, SignificanceHeuristic, SignificantTextAggregatorFactory, String, String[], boolean, Map) may expose internal representation by storing an externally mutable object into SignificantTextAggregator.sourceFieldNames

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/bucket/significant/SignificantTextAggregator.java:86 ***** Primary Bug Location
At SignificantTextAggregator.java:[line 86]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline (1)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/PipelineAggregator.java:94

ID: 14615 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/PipelineAggregator.java

org.elasticsearch.search.aggregations.pipeline.PipelineAggregator.bucketsPaths() may expose internal representation by returning PipelineAggregator.bucketsPaths

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/pipeline/PipelineAggregator.java:94 ***** Primary Bug Location
At PipelineAggregator.java:[line 94]

Path: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/support (1)

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/support/ArrayValuesSource.java:88

ID: 24381 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/aggregations/support/ArrayValuesSource.java

org.elasticsearch.search.aggregations.support.ArrayValuesSource.fieldNames() may expose internal representation by returning ArrayValuesSource.names

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/aggregations/support/ArrayValuesSource.java:88 ***** Primary Bug Location
At ArrayValuesSource.java:[line 88]

Path: elasticsearch-6.5.1/org/elasticsearch/search/fetch (1)

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/ShardFetchRequest.java:65

ID: 22978 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/fetch/ShardFetchRequest.java

org.elasticsearch.search.fetch.ShardFetchRequest.docIds() may expose internal representation by returning ShardFetchRequest.docIds

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/fetch/ShardFetchRequest.java:65 ***** Primary Bug Location
At ShardFetchRequest.java:[line 65]

Path: elasticsearch-6.5.1/org/elasticsearch/search/lookup (1)

Location: elasticsearch-6.5.1/org/elasticsearch/search/lookup/DocLookup.java:56

ID: 16673 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/lookup/DocLookup.java

org.elasticsearch.search.lookup.DocLookup.getTypes() may expose internal representation by returning DocLookup.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/lookup/DocLookup.java:56 ***** Primary Bug Location
At DocLookup.java:[line 56]

Path: elasticsearch-6.5.1/org/elasticsearch/search/sort (1)

Location: elasticsearch-6.5.1/org/elasticsearch/search/sort/SortAndFormats.java:35

ID: 19557 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/sort/SortAndFormats.java

new org.elasticsearch.search.sort.SortAndFormats(Sort, DocValueFormat[]) may expose internal representation by storing an externally mutable object into SortAndFormats.formats

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/sort/SortAndFormats.java:35 ***** Primary Bug Location
At SortAndFormats.java:[line 35]

Path: elasticsearch-6.5.1/org/elasticsearch/secure_sm (1)

Location: elasticsearch-6.5.1/org/elasticsearch/secure_sm/SecureSM.java:82

ID: 10986 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/secure_sm/SecureSM.java

new org.elasticsearch.secure_sm.SecureSM(String[]) may expose internal representation by storing an externally mutable object into SecureSM.classesThatCanExit

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/secure_sm/SecureSM.java:82 ***** Primary Bug Location
At SecureSM.java:[line 82]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/ccr/action (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ccr/action/ShardChangesAction.java:244

ID: 21416 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ccr/action/ShardChangesAction.java

org.elasticsearch.xpack.ccr.action.ShardChangesAction\$Response.getOperations() may expose internal representation by returning ShardChangesAction\$Response.operations

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ccr/action/ShardChangesAction.java:244 ***** Primary Bug Location
At ShardChangesAction.java:[line 244]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/deprecation (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/deprecation/DeprecationInfoAction.java:202

ID: 5295 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/deprecation/DeprecationInfoAction.java

org.elasticsearch.xpack.core.deprecation.DeprecationInfoAction\$Request.indices() may expose internal representation by returning DeprecationInfoAction\$Request.indices

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/deprecation/DeprecationInfoAction.java:202 ***** Primary Bug Location
At DeprecationInfoAction.java:[line 202]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/user (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/user/User.java:78

ID: 7753 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/user/User.java

org.elasticsearch.xpack.core.security.user.User.roles() may expose internal representation by returning User.roles

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/user/User.java:78 ***** Primary Bug Location
At User.java:[line 78]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/history (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/history/WatchRecord.java:261

ID: 3152 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/history/WatchRecord.java

org.elasticsearch.xpack.core.watcher.history.WatchRecord\$MessageWatchRecord.messages() may expose internal representation by returning WatchRecord\$MessageWatchRecord.messages

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/history/WatchRecord.java:261 ***** Primary Bug Location
At WatchRecord.java:[line 261]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/transport/actions/ack (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/transport/actions/ack/AckWatchRequest.java:58

ID: 4383 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by returning reference to mutable object [[CWE-375](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/transport/actions/ack/AckWatchRequest.java

org.elasticsearch.xpack.core.watcher.transport.actions.ack.AckWatchRequest.getActionIds() may expose internal representation by returning AckWatchRequest.actionIds

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/watcher/transport/actions/ack/AckWatchRequest.java:58 ***** Primary Bug Location
At AckWatchRequest.java:[line 58]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/persistence (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/persistence/RecordsQueryBuilder.java:110

ID: 8595 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/persistence/RecordsQueryBuilder.java

org.elasticsearch.xpack.ml.job.persistence.RecordsQueryBuilder.timestamp(Date) may expose internal representation by storing an externally mutable object into RecordsQueryBuilder.timestamp

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/persistence/RecordsQueryBuilder.java:110 ***** Primary Bug Location
At RecordsQueryBuilder.java:[line 110]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/monitoring/exporter (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/monitoring/exporter/ClusterAlertsUtil.java:64

ID: 15861 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field is a mutable array [[CWE-607](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/monitoring/exporter/ClusterAlertsUtil.java

org.elasticsearch.xpack.monitoring.exporter.ClusterAlertsUtil.WATCH_IDS is a mutable array

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/monitoring/exporter/ClusterAlertsUtil.java:64 ***** Primary Bug Location
At ClusterAlertsUtil.java:[line 64]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/BytesKey.java:23

ID: 17975 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/BytesKey.java

new org.elasticsearch.xpack.security.authc.BytesKey(byte[]) may expose internal representation by storing an externally mutable object into BytesKey.bytes

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/BytesKey.java:23 ***** Primary Bug Location
At BytesKey.java:[line 23]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/upgrade (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/upgrade/InternalIndexReindexer.java:57

ID: 23154 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / May expose internal representation by incorporating reference to mutable object [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/upgrade/InternalIndexReindexer.java

new org.elasticsearch.xpack.upgrade.InternalIndexReindexer(Client, ClusterService, int, Script, String[], Consumer, BiConsumer) may expose internal representation by storing an externally mutable object into InternalIndexReindexer.types

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/upgrade/InternalIndexReindexer.java:57 ***** Primary Bug Location
At InternalIndexReindexer.java:[line 57]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/WatcherIndexTemplateRegistry.java:45

ID: 20092 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field should be package protected [[CWE-485](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/WatcherIndexTemplateRegistry.java

org.elasticsearch.xpack.watcher.support.WatcherIndexTemplateRegistry.TEMPLATE_CONFIGS should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/support/WatcherIndexTemplateRegistry.java:45 *****
 Primary Bug Location
 At WatcherIndexTemplateRegistry.java:[line 45]

Field isn't final but should be (low severity)

[CWE-500](#): Public Static Field Not Marked Final

Description

This static field public but not final, and could be changed by malicious code or by accident from another package. The field could be made final to avoid this vulnerability.

Finding Details (58)

Path: elasticsearch-6.5.1/org/elasticsearch/search/suggest (10)

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:34

ID: 15748 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [[CWE-500](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_SUGGEST_MODE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:34 ***** Primary Bug Location
 At DirectSpellcheckerSettings.java:[line 34]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:35

ID: 15749 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [[CWE-500](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_ACCURACY isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:35 ***** Primary Bug Location
 At DirectSpellcheckerSettings.java:[line 35]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:36

ID: 15751 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [[CWE-500](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_SORT isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:36 ***** Primary Bug
Location
At DirectSpellcheckerSettings.java:[line 36]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:38

ID: 15750 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_STRING_DISTANCE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:38 ***** Primary Bug
Location
At DirectSpellcheckerSettings.java:[line 38]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:39

ID: 15746 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MAX_EDITS isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:39 ***** Primary Bug
Location
At DirectSpellcheckerSettings.java:[line 39]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:40

ID: 15745 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MAX_INSPECTIONS isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:40 ***** Primary Bug
Location
At DirectSpellcheckerSettings.java:[line 40]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:41

ID: 15752 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MAX_TERM_FREQ isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:41 ***** Primary Bug Location
At DirectSpellcheckerSettings.java:[line 41]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:42

ID: 15744 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_PREFIX_LENGTH isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:42 ***** Primary Bug Location
At DirectSpellcheckerSettings.java:[line 42]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:43

ID: 15753 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MIN_WORD_LENGTH isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:43 ***** Primary Bug Location
At DirectSpellcheckerSettings.java:[line 43]

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:44

ID: 15747 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java

org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MIN_DOC_FREQ isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/search/suggest/DirectSpellcheckerSettings.java:44 ***** Primary Bug Location
At DirectSpellcheckerSettings.java:[line 44]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action (5)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/CloseJobAction.java:54

ID: 14532 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/CloseJobAction.java

org.elasticsearch.xpack.core.ml.action.CloseJobAction\$request.PARSER isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/CloseJobAction.java:54 ***** Primary Bug

Location

At CloseJobAction.java:[line 54]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/IsolateDatafeedAction.java:60

ID: 4921 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/IsolateDatafeedAction.java

org.elasticsearch.xpack.core.ml.action.IsolateDatafeedAction\$request.PARSER isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/IsolateDatafeedAction.java:60 ***** Primary Bug

Location

At IsolateDatafeedAction.java:[line 60]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/OpenJobAction.java:141

ID: 12152 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/OpenJobAction.java

org.elasticsearch.xpack.core.ml.action.OpenJobAction\$JobParams.PARSER isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/OpenJobAction.java:141 ***** Primary Bug

Location

At OpenJobAction.java:[line 141]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StartDatafeedAction.java:150

ID: 20811 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StartDatafeedAction.java

org.elasticsearch.xpack.core.ml.action.StartDatafeedAction\$datafeedParams.PARSER isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StartDatafeedAction.java:150 ***** Primary Bug

Location

At StartDatafeedAction.java:[line 150]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StopDatafeedAction.java:59

ID: 5951 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StopDatafeedAction.java

org.elasticsearch.xpack.core.ml.action.StopDatafeedAction\$Request.PARSER isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/action/StopDatafeedAction.java:59 ***** Primary Bug
Location
At StopDatafeedAction.java:[line 59]

Path: elasticsearch-6.5.1/org/elasticsearch/analysis/common (4)

Location: elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java:38

ID: 6522 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java

org.elasticsearch.analysis.common.FingerprintAnalyzerProvider.SEPARATOR isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java:38 ***** Primary
Bug Location
At FingerprintAnalyzerProvider.java:[line 38]

Location: elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java:39

ID: 6521 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java

org.elasticsearch.analysis.common.FingerprintAnalyzerProvider.MAX_OUTPUT_SIZE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java:39 ***** Primary
Bug Location
At FingerprintAnalyzerProvider.java:[line 39]

Location: elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java:41

ID: 6519 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java

org.elasticsearch.analysis.common.FingerprintAnalyzerProvider.DEFAULT_MAX_OUTPUT_SIZE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java:41 ***** Primary
Bug Location
At FingerprintAnalyzerProvider.java:[line 41]

Location: elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java:42

ID: 6520 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java

org.elasticsearch.analysis.common.FingerprintAnalyzerProvider.DEFAULT_STOP_WORDS isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/analysis/common/FingerprintAnalyzerProvider.java:42 ***** Primary Bug Location
At FingerprintAnalyzerProvider.java:[line 42]

Path: elasticsearch-6.5.1/org/elasticsearch/common/settings (3)

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/ClusterSettings.java:173

ID: 8161 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/ClusterSettings.java

org.elasticsearch.common.settings.ClusterSettings.BUILT_IN_CLUSTER_SETTINGS isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/settings/ClusterSettings.java:173 ***** Primary Bug Location
At ClusterSettings.java:[line 173]

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/ClusterSettings.java:450

ID: 8162 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/ClusterSettings.java

org.elasticsearch.common.settings.ClusterSettings.BUILT_IN_SETTING_UPGRADERS isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/settings/ClusterSettings.java:450 ***** Primary Bug Location
At ClusterSettings.java:[line 450]

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/SettingsFilter.java:43

ID: 18064 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/common/settings/SettingsFilter.java

org.elasticsearch.common.settings.SettingsFilter.SETTINGS_FILTER_PARAM isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/settings/SettingsFilter.java:43 ***** Primary Bug Location
At SettingsFilter.java:[line 43]

Path: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata (2)

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/MetaData.java:108

ID: 1512 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/MetaData.java

org.elasticsearch.cluster.metadata.MetaData.API_AND_GATEWAY isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/MetaData.java:108 ***** Primary Bug Location
At MetaData.java:[line 108]

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/MetaData.java:120

ID: 1510 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/MetaData.java

org.elasticsearch.cluster.metadata.MetaData.ALL_CONTEXTS isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/cluster/metadata/MetaData.java:120 ***** Primary Bug Location
At MetaData.java:[line 120]

Path: elasticsearch-6.5.1/org/elasticsearch/index/query (2)

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/SpanNearQueryBuilder.java:50

ID: 15639 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/SpanNearQueryBuilder.java

org.elasticsearch.index.query.SpanNearQueryBuilder.DEFAULT_IN_ORDER isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/SpanNearQueryBuilder.java:50 ***** Primary Bug Location
At SpanNearQueryBuilder.java:[line 50]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/SpanNearQueryBuilder.java:52

ID: 15640 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/SpanNearQueryBuilder.java

org.elasticsearch.index.query.SpanNearQueryBuilder.DEFAULT_SLOP isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/SpanNearQueryBuilder.java:52 ***** Primary Bug Location
At SpanNearQueryBuilder.java:[line 52]

Path: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore (2)

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/DecayFunctionBuilder.java:68

Elasticsearch zip package - Code Dx Assessment Report

ID: 9183 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/DecayFunctionBuilder.java

org.elasticsearch.index.query.functionscore.DecayFunctionBuilder.DEFAULT_DECAY isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/DecayFunctionBuilder.java:68 ***** Primary Bug Location
At DecayFunctionBuilder.java:[line 68]

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/DecayFunctionBuilder.java:69

ID: 9184 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/DecayFunctionBuilder.java

org.elasticsearch.index.query.functionscore.DecayFunctionBuilder.DEFAULT_MULTI_VALUE_MODE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/query/functionscore/DecayFunctionBuilder.java:69 ***** Primary Bug Location
At DecayFunctionBuilder.java:[line 69]

Path: elasticsearch-6.5.1/org/elasticsearch/index/reindex (2)

Location: elasticsearch-6.5.1/org/elasticsearch/index/reindex/BulkByScrollTask.java:365

ID: 21255 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/index/reindex/BulkByScrollTask.java

org.elasticsearch.index.reindex.BulkByScrollTask\$Status.FIELDS_SET isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/reindex/BulkByScrollTask.java:365 ***** Primary Bug Location
At BulkByScrollTask.java:[line 365]

Location: elasticsearch-6.5.1/org/elasticsearch/index/reindex/BulkByScrollTask.java:892

ID: 21254 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/index/reindex/BulkByScrollTask.java

org.elasticsearch.index.reindex.BulkByScrollTask\$StatusOrException.EXPECTED_EXCEPTION_FIELDS isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/reindex/BulkByScrollTask.java:892 ***** Primary Bug Location
At BulkByScrollTask.java:[line 892]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/cli (2)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/cli/ConnectionBuilder.java:26

ID: 11843 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/cli/ConnectionBuilder.java

org.elasticsearch.xpack.sql.cli.ConnectionBuilder.DEFAULT_CONNECTION_STRING isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/sql/cli/ConnectionBuilder.java:26 ***** Primary Bug Location
At ConnectionBuilder.java:[line 26]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/cli/ConnectionBuilder.java:27

ID: 11844 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/cli/ConnectionBuilder.java

org.elasticsearch.xpack.sql.cli.ConnectionBuilder.DEFAULT_URI isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/sql/cli/ConnectionBuilder.java:27 ***** Primary Bug Location
At ConnectionBuilder.java:[line 27]

Path: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/rollover (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/rollover/RolloverInfo.java:47

ID: 7541 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/rollover/RolloverInfo.java

org.elasticsearch.action.admin.indices.rollover.RolloverInfo.PARSER isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/admin/indices/rollover/RolloverInfo.java:47 ***** Primary Bug Location
At RolloverInfo.java:[line 47]

Path: elasticsearch-6.5.1/org/elasticsearch/action/bulk (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkItemResponse.java:182

ID: 15880 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkItemResponse.java

org.elasticsearch.action.bulk.BulkItemResponse\$Failure.PARSER isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/bulk/BulkItemResponse.java:182 ***** Primary Bug Location

At BulkItemResponse.java:[line 182]

Path: elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/node (1)

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/node/TransportBroadcastByNodeAction.java:575

ID: 16161 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/node/TransportBroadcastByNodeAction.java

org.elasticsearch.action.support.broadcast.node.TransportBroadcastByNodeAction\$EmptyResult.INSTANCE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/action/support/broadcast/node/TransportBroadcastByNodeAction.java:575 ***** Primary Bug Location
At TransportBroadcastByNodeAction.java:[line 575]

Path: elasticsearch-6.5.1/org/elasticsearch/client (1)

Location: elasticsearch-6.5.1/org/elasticsearch/client/Requests.java:80

ID: 9360 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/client/Requests.java

org.elasticsearch.client.Requests.INDEX_CONTENT_TYPE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/client/Requests.java:80 ***** Primary Bug Location
At Requests.java:[line 80]

Path: elasticsearch-6.5.1/org/elasticsearch/common/logging (1)

Location: elasticsearch-6.5.1/org/elasticsearch/common/logging/DeprecationLogger.java:230

ID: 1801 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/common/logging/DeprecationLogger.java

org.elasticsearch.common.logging.DeprecationLogger.WARNING_HEADER_PATTERN isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/logging/DeprecationLogger.java:230 ***** Primary Bug Location
At DeprecationLogger.java:[line 230]

Path: elasticsearch-6.5.1/org/elasticsearch/common/time (1)

Location: elasticsearch-6.5.1/org/elasticsearch/common/time/EpochSecondsDateFormatter.java:35

ID: 9625 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/common/time/EpochSecondsDateFormatter.java

org.elasticsearch.common.time.EPOCHSECONDS_DATE_FORMATTER.INSTANCE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/time/EpochSecondsDateFormatter.java:35 ***** Primary Bug Location
At EpochSecondsDateFormatter.java:[line 35]

Path: elasticsearch-6.5.1/org/elasticsearch/common/util/concurrent (1)

Location: elasticsearch-6.5.1/org/elasticsearch/common/util/concurrent/QueueResizingEsThreadPoolExecutor.java:42

ID: 14816 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/common/util/concurrent/QueueResizingEsThreadPoolExecutor.java

org.elasticsearch.common.util.concurrent.QueueResizingEsThreadPoolExecutor.EWMA_ALPHA isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/util/concurrent/QueueResizingEsThreadPoolExecutor.java:42 ***** Primary Bug Location
At QueueResizingEsThreadPoolExecutor.java:[line 42]

Path: elasticsearch-6.5.1/org/elasticsearch/common/xcontent (1)

Location: elasticsearch-6.5.1/org/elasticsearch/common/xcontent/LoggingDeprecationHandler.java:36

ID: 19766 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/common/xcontent/LoggingDeprecationHandler.java

org.elasticsearch.common.xcontent.LoggingDeprecationHandler.INSTANCE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/common/xcontent/LoggingDeprecationHandler.java:36 ***** Primary Bug Location
At LoggingDeprecationHandler.java:[line 36]

Path: elasticsearch-6.5.1/org/elasticsearch/http/netty4 (1)

Location: elasticsearch-6.5.1/org/elasticsearch/http/netty4/Netty4HttpServerTransport.java:141

ID: 10916 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/http/netty4/Netty4HttpServerTransport.java

org.elasticsearch.http.netty4.Netty4HttpServerTransport.SETTING_HTTP_NETTY_MAX_COMPOSITE_BUFFER_COMPONENTS isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/http/netty4/Netty4HttpServerTransport.java:141 ***** Primary Bug Location

At Netty4HttpServerTransport.java:[line 141]

Path: elasticsearch-6.5.1/org/elasticsearch/index/rankeval (1)

Location: elasticsearch-6.5.1/org/elasticsearch/index/rankeval/RestRankEvalAction.java:91

ID: 11829 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/index/rankeval/RestRankEvalAction.java

org.elasticsearch.index.rankeval.RestRankEvalAction.ENDPOINT isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/rankeval/RestRankEvalAction.java:91 ***** Primary Bug Location
At RestRankEvalAction.java:[line 91]

Path: elasticsearch-6.5.1/org/elasticsearch/index/seqno (1)

Location: elasticsearch-6.5.1/org/elasticsearch/index/seqno/GlobalCheckpointSyncAction.java:59

ID: 12052 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/index/seqno/GlobalCheckpointSyncAction.java

org.elasticsearch.index.seqno.GlobalCheckpointSyncAction.ACTION_NAME isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/index/seqno/GlobalCheckpointSyncAction.java:59 ***** Primary Bug Location
At GlobalCheckpointSyncAction.java:[line 59]

Path: elasticsearch-6.5.1/org/elasticsearch/script (1)

Location: elasticsearch-6.5.1/org/elasticsearch/script/ScriptModule.java:42

ID: 19840 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/script/ScriptModule.java

org.elasticsearch.script.ScriptedMetricAggContexts\$CombineScript.CONTEXT isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/script/ScriptModule.java:42 ***** Primary Bug Location
At ScriptModule.java:[line 42]

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/script/ScriptModule.java

org.elasticsearch.script.ScriptedMetricAggContexts\$InitScript.CONTEXT isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/script/ScriptModule.java:42 ***** Primary Bug Location
At ScriptModule.java:[line 42]

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/script/ScriptModule.java

org.elasticsearch.script.ScriptedMetricAggContexts\$MapScript.CONTEXT isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/script/ScriptModule.java:42 ***** Primary Bug Location
At ScriptModule.java:[line 42]

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/script/ScriptModule.java

org.elasticsearch.script.ScriptedMetricAggContexts\$ReduceScript.CONTEXT isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/script/ScriptModule.java:42 ***** Primary Bug Location
At ScriptModule.java:[line 42]

Path: elasticsearch-6.5.1/org/elasticsearch/script/mustache (1)

Location: elasticsearch-6.5.1/org/elasticsearch/script/mustache/SearchTemplateResponse.java:40

ID: 5556 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/script/mustache/SearchTemplateResponse.java

org.elasticsearch.script.mustache.SearchTemplateResponse.TEMPLATE_OUTPUT_FIELD isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/script/mustache/SearchTemplateResponse.java:40 ***** Primary Bug Location
At SearchTemplateResponse.java:[line 40]

Path: elasticsearch-6.5.1/org/elasticsearch/threadpool (1)

Location: elasticsearch-6.5.1/org/elasticsearch/threadpool/ThreadPool.java:161

ID: 6392 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/threadpool/ThreadPool.java

org.elasticsearch.threadpool.ThreadPool.ESTIMATED_TIME_INTERVAL_SETTING isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/threadpool/ThreadPool.java:161 ***** Primary Bug Location
At ThreadPool.java:[line 161]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rest (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rest/XPackRestHandler.java:18

ID: 22512 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rest/XPackRestHandler.java

org.elasticsearch.xpack.core.rest.XPackRestHandler.URI_BASE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/rest/XPackRestHandler.java:18 ***** Primary Bug Location
At XPackRestHandler.java:[line 18]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc/AuthenticationResult.java:28

ID: 19760 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc/AuthenticationResult.java

org.elasticsearch.xpack.core.security.authc.AuthenticationResult.THREAD_CONTEXT_KEY isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authc/AuthenticationResult.java:28 ***** Primary Bug Location
At AuthenticationResult.java:[line 28]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/privilege (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/privilege/SystemPrivilege.java:15

ID: 10712 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/privilege/SystemPrivilege.java

org.elasticsearch.xpack.core.security.authz.privilege.SystemPrivilege.INSTANCE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/authz/privilege/SystemPrivilege.java:15 ***** Primary Bug Location
At SystemPrivilege.java:[line 15]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/support (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/support/NoOpLogger.java:22

ID: 5580 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/support/NoOpLogger.java

org.elasticsearch.xpack.core.security.support.NoOpLogger.INSTANCE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/security/support/NoOpLogger.java:22 ***** Primary Bug Location
At NoOpLogger.java:[line 22]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/categorization (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/categorization/MIClassicTokenizer.java:23
ID: 3392 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/categorization/MIClassicTokenizer.java

org.elasticsearch.xpack.ml.job.categorization.MIClassicTokenizer.NAME isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/ml/job/categorization/MIClassicTokenizer.java:23 ***** Primary
 Bug Location
 At MIClassicTokenizer.java:[line 23]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/monitoring/rest (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/monitoring/rest/MonitoringRestHandler.java:13
ID: 13673 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/monitoring/rest/MonitoringRestHandler.java

org.elasticsearch.xpack.monitoring.rest.MonitoringRestHandler.URI_BASE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/monitoring/rest/MonitoringRestHandler.java:13 ***** Primary
 Bug Location
 At MonitoringRestHandler.java:[line 13]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/expression/gen/processor (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/expression/gen/processor/ConstantProcessor.java:16
ID: 14158 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/expression/gen/processor/ConstantProcessor.java

org.elasticsearch.xpack.sql.expression.gen.processor.ConstantProcessor.NAME isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/sql/expression/gen/processor/ConstantProcessor.java:16 *****
 Primary Bug Location
 At ConstantProcessor.java:[line 16]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/condition (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/condition/WatcherConditionScript.java:61
ID: 18147 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/condition/WatcherConditionScript.java

org.elasticsearch.xpack.watcher.condition.WatcherConditionScript.CONTEXT isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/condition/WatcherConditionScript.java:61 ***** Primary Bug Location
At WatcherConditionScript.java:[line 61]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/DataAttachment.java:58
ID: 13235 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/DataAttachment.java

org.elasticsearch.xpack.watcher.notification.email.DataAttachment.DEFAULT isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/DataAttachment.java:58 ***** Primary Bug Location
At DataAttachment.java:[line 58]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/support (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/support/BodyPartSource.java:25
ID: 6545 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/support/BodyPartSource.java

org.elasticsearch.xpack.watcher.notification.email.support.BodyPartSource.fileTypeMap isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/notification/email/support/BodyPartSource.java:25 ***** Primary Bug Location
At BodyPartSource.java:[line 25]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/rest (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/rest/WatcherRestHandler.java:18
ID: 4867 **Status:** Unresolved **Detection Method:** Static Analysis
First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM
Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [\[CWE-500\]](#)
Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/rest/WatcherRestHandler.java

org.elasticsearch.xpack.watcher.rest.WatcherRestHandler.URI_BASE isn't final but should be

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/rest/WatcherRestHandler.java:18 ***** Primary Bug Location
At WatcherRestHandler.java:[line 18]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/transform/script (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/transform/script/WatcherTransformScript.java:62
ID: 24306 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Field isn't final but should be [CWE-500]

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/transform/script/WatcherTransformScript.java

```
org.elasticsearch.xpack.watcher.transform.script.WatcherTransformScript.CONTEXT isn't final but should be
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/watcher/transform/script/WatcherTransformScript.java:62 *****  
Primary Bug Location  
At WatcherTransformScript.java:[line 62]
```

A mutable collection is assigned to a final static field (low severity)

No Common Weakness Enumeration information available

Description

A mutable collection instance is assigned to a final static field, thus can be changed by malicious code or by accident from another package. Consider wrapping this field into Collections.unmodifiableSet/List/Map/etc. to avoid this vulnerability.

Finding Details (10)

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup (3)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/RollupField.java:40

ID: 378 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/RollupField.java

```
org.elasticsearch.xpack.core.rollup.RollupField.SUPPORTED_NUMERIC_METRICS is a mutable collection which  
should be package protected
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/RollupField.java:40 ***** Primary Bug Location  
At RollupField.java:[line 40]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/RollupField.java:42

ID: 376 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/RollupField.java

```
org.elasticsearch.xpack.core.rollup.RollupField.SUPPORTED_DATE_METRICS is a mutable collection
```

Bug Path:

```
*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/RollupField.java:42 ***** Primary Bug Location  
At RollupField.java:[line 42]
```

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/RollupField.java:49

ID: 377 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/RollupField.java

org.elasticsearch.xpack.core.rollup.RollupField.SUPPORTED_METRICS is a mutable collection

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/rollup/RollupField.java:49 ***** Primary Bug Location
At RollupField.java:[line 49]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/XPackSettings.java:158

ID: 20698 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/XPackSettings.java

org.elasticsearch.xpack.core.XPackSettings.DEFAULT_SUPPORTED_PROTOCOLS is a mutable collection

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/XPackSettings.java:158 ***** Primary Bug Location
At XPackSettings.java:[line 158]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/AnalysisConfig.java:69

ID: 2537 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/AnalysisConfig.java

org.elasticsearch.xpack.core.ml.job.config.AnalysisConfig.AUTO_CREATED_FIELDS is a mutable collection

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/config/AnalysisConfig.java:69 ***** Primary Bug Location
At AnalysisConfig.java:[line 69]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/ReservedFieldNames.java:185

ID: 19203 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/ReservedFieldNames.java

org.elasticsearch.xpack.core.ml.job.results.ReservedFieldNames.RESERVED_FIELD_NAMES is a mutable collection which should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/core/ml/job/results/ReservedFieldNames.java:185 ***** Primary Bug Location
At ReservedFieldNames.java:[line 185]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/rollup (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/rollup/Rollup.java:106

ID: 13534 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/rollup/Rollup.java

org.elasticsearch.xpack.rollup.Rollup.HEADER_FILTERS is a mutable collection

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/rollup/Rollup.java:106 ***** Primary Bug Location
At Rollup.java:[line 106]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/esnative/tool (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/esnative/tool/SetupPasswordTool.java:68

ID: 7898 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/esnative/tool/SetupPasswordTool.java

org.elasticsearch.xpack.security.authc.esnative.tool.SetupPasswordTool.USERS is a mutable collection which should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/security/authc/esnative/tool/SetupPasswordTool.java:68 *****
Primary Bug Location
At SetupPasswordTool.java:[line 68]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client/ConnectionConfiguration.java:60

ID: 5039 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client/ConnectionConfiguration.java

org.elasticsearch.xpack.sql.client.ConnectionConfiguration.OPTION_NAMES is a mutable collection which should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/sql/client/ConnectionConfiguration.java:60 ***** Primary Bug Location
At ConnectionConfiguration.java:[line 60]

Path: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/type (1)

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/type/DateEsField.java:20

ID: 5687 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / A mutable collection is assigned to a final static field

Location: elasticsearch-6.5.1/org/elasticsearch/xpack/sql/type/DateEsField.java

org.elasticsearch.xpack.sql.type.DateEsField.DEFAULT_FORMAT is a mutable collection which should be package protected

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/xpack/sql/type/DateEsField.java:20 ***** Primary Bug Location
At DateEsField.java:[line 20]

Classloaders should only be created inside doPrivileged block (low severity)

[CWE-280](#): Improper Handling of Insufficient Permissions or Privileges

Description

This code creates a classloader, which needs permission if a security manager is installed. If this code might be invoked by code that does not have security permissions, then the classloader creation needs to occur inside a doPrivileged block.

Finding Details (1)

Path: elasticsearch-6.5.1/org/elasticsearch/painless (1)

Location: elasticsearch-6.5.1/org/elasticsearch/painless/Compiler.java:148

ID: 2410 **Status:** Unresolved **Detection Method:** Static Analysis

First Seen: Nov 28, 2018 1:19 AM **Last Modified:** Nov 30, 2018 4:44 AM

Reported by FindBugs: FindBugs / Malicious code vulnerability / Classloaders should only be created inside doPrivileged block [[CWE-280](#)]

Location: elasticsearch-6.5.1/org/elasticsearch/painless/Compiler.java

org.elasticsearch.painless.Compiler.createLoader(ClassLoader) creates a org.elasticsearch.painless.Compiler\$Loader classloader, which should be performed within a doPrivileged block

Bug Path:

*** pkg1/elasticsearch-6.5.1/org/elasticsearch/painless/Compiler.java:148 ***** Primary Bug Location
At Compiler.java:[line 148]