

SpotBugs Report

Project Information

Project: ElasticSearch

SpotBugs version: 4.2.0

Code analyzed:

- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\bin\elasticsearch-sql-cli-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\HdrHistogram-2.1.9.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\elasticsearch-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\elasticsearch-cli-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\elasticsearch-core-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\elasticsearch-geo-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\elasticsearch-launchers-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\elasticsearch-plugin-classloader-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\elasticsearch-secure-sm-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\elasticsearch-x-content-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\hppc-0.8.1.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\jackson-core-2.10.4.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\jackson-dataformat-cbor-2.10.4.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\jackson-dataformat-smile-2.10.4.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\jackson-dataformat-yaml-2.10.4.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\java-version-checker-7.10.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\jna-5.5.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\joda-time-2.10.4.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\jopt-simple-5.0.2.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\jts-core-1.15.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\log4j-api-2.11.1.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\log4j-core-2.11.1.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-analyzers-common-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-backward-codecs-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-core-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-grouping-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-highlighter-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-join-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-memory-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-misc-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-queries-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-queryparser-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-sandbox-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-spatial-extras-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-spatial3d-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\lucene-suggest-8.7.0.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\snakeyaml-1.26.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\spatial4j-0.7.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\lib\t-digest-3.2.jar
- C:\Users\joseph.burr\Downloads\elasticsearch-7.10.0\modules

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- [Security Warnings](#)
- [Details](#)

Summary

Warning Type	Number
Malicious code vulnerability Warnings	352
Security Warnings	189
Total	541

Warnings

Click on a warning row to see full context information. [Toggle All](#)

Malicious code vulnerability Warnings

Code Warning

- EI** org.elasticsearch.action.OriginalIndices.indices() may expose internal representation by returning OriginalIndices.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.OriginalIndices
Method: org.elasticsearch.action.OriginalIndices.indices()
Field: org.elasticsearch.action.OriginalIndices.indices
At: OriginalIndices.java:[line 51]
- EI** org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.getNodeDescriptions() may expose internal representation by returning AddVotingConfigExclusionsRequest.nodeDescriptions
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest
Method: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.getNodeDescriptions()
Field: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.nodeDescriptions
At: AddVotingConfigExclusionsRequest.java:[line 186]
- EI** org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.getNodeIds() may expose internal representation by returning AddVotingConfigExclusionsRequest.nodeIds
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest
Method: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.getNodeIds()
Field: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.nodeIds
At: AddVotingConfigExclusionsRequest.java:[line 193]
- EI** org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.getNodeNames() may expose internal representation by returning AddVotingConfigExclusionsRequest.nodeNames
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest
Method: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.getNodeNames()
Field: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.nodeNames
At: AddVotingConfigExclusionsRequest.java:[line 200]
- EI** org.elasticsearch.action.admin.cluster.health.ClusterHealthRequest.indices() may expose internal representation by returning ClusterHealthRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.health.ClusterHealthRequest
Method: org.elasticsearch.action.admin.cluster.health.ClusterHealthRequest.indices()
Field: org.elasticsearch.action.admin.cluster.health.ClusterHealthRequest.indices
At: ClusterHealthRequest.java:[line 119]
- EI** org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest.repositories() may expose internal representation by returning GetRepositoriesRequest.repositories
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest
Method: org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest.repositories()
Field: org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest.repositories
At: GetRepositoriesRequest.java:[line 80]
- EI** org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup.getShards() may expose internal representation by returning ClusterSearchShardsGroup.shards
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup
Method: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup.getShards()
Field: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup.shards
At: ClusterSearchShardsGroup.java:[line 58]
- EI** org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsRequest.indices() may expose internal representation by returning ClusterSearchShardsRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsRequest
Method: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsRequest.indices()
Field: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsRequest.indices
At: ClusterSearchShardsRequest.java:[line 94]
- EI** org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.getGroups() may expose internal representation by returning ClusterSearchShardsResponse.groups
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse
Method: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.getGroups()
Field: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.groups
At: ClusterSearchShardsResponse.java:[line 62]
- EI** org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.getNodes() may expose internal representation by returning ClusterSearchShardsResponse.nodes
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse
Method: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.getNodes()
Field: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.nodes
At: ClusterSearchShardsResponse.java:[line 66]
- EI** org.elasticsearch.action.admin.cluster.snapshots.clone.CloneSnapshotRequest.indices() may expose internal representation by returning CloneSnapshotRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.clone.CloneSnapshotRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.clone.CloneSnapshotRequest.indices()
Field: org.elasticsearch.action.admin.cluster.snapshots.clone.CloneSnapshotRequest.indices
At: CloneSnapshotRequest.java:[line 112]

- EI** org.elasticsearch.action.admin.cluster.snapshots.create.CreateSnapshotRequest.indices() may expose internal representation by returning CreateSnapshotRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.create.CreateSnapshotRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.create.CreateSnapshotRequest.indices()
Field: org.elasticsearch.action.admin.cluster.snapshots.create.CreateSnapshotRequest.indices
At: CreateSnapshotRequest.java:[line 254]
- EI** org.elasticsearch.action.admin.cluster.snapshots.delete.DeleteSnapshotRequest.snapshots() may expose internal representation by returning DeleteSnapshotRequest.snapshots
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.delete.DeleteSnapshotRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.delete.DeleteSnapshotRequest.snapshots()
Field: org.elasticsearch.action.admin.cluster.snapshots.delete.DeleteSnapshotRequest.snapshots
At: DeleteSnapshotRequest.java:[line 128]
- EI** org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest.snapshots() may expose internal representation by returning GetSnapshotsRequest.snapshots
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest.snapshots()
Field: org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest.snapshots
At: GetSnapshotsRequest.java:[line 124]
- EI** org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest.ignoreIndexSettings() may expose internal representation by returning RestoreSnapshotRequest.ignoreIndexSettings
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest.ignoreIndexSettings()
Field: org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest.ignoreIndexSettings
At: RestoreSnapshotRequest.java:[line 362]
- EI** org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest.indices() may expose internal representation by returning RestoreSnapshotRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest.indices()
Field: org.elasticsearch.action.admin.cluster.snapshots.restore.RestoreSnapshotRequest.indices
At: RestoreSnapshotRequest.java:[line 232]
- EI** org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest.snapshots() may expose internal representation by returning SnapshotsStatusRequest.snapshots
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest.snapshots()
Field: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest.snapshots
At: SnapshotsStatusRequest.java:[line 119]
- EI** org.elasticsearch.action.admin.cluster.state.ClusterStateRequest.indices() may expose internal representation by returning ClusterStateRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.state.ClusterStateRequest
Method: org.elasticsearch.action.admin.cluster.state.ClusterStateRequest.indices()
Field: org.elasticsearch.action.admin.cluster.state.ClusterStateRequest.indices
At: ClusterStateRequest.java:[line 145]
- EI** org.elasticsearch.action.admin.cluster.stats.ClusterStatsNodeResponse.shardsStats() may expose internal representation by returning ClusterStatsNodeResponse.shardsStats
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.stats.ClusterStatsNodeResponse
Method: org.elasticsearch.action.admin.cluster.stats.ClusterStatsNodeResponse.shardsStats()
Field: org.elasticsearch.action.admin.cluster.stats.ClusterStatsNodeResponse.shardsStats
At: ClusterStatsNodeResponse.java:[line 78]
- EI** org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.aliases() may expose internal representation by returning IndicesAliasesRequest\$AliasActions.aliases
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions
Method: org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.aliases()
Field: org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.aliases
At: IndicesAliasesRequest.java:[line 491]
- EI** org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.getOriginalAliases() may expose internal representation by returning IndicesAliasesRequest\$AliasActions.originalAliases
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions
Method: org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.getOriginalAliases()
Field: org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.originalAliases
At: IndicesAliasesRequest.java:[line 501]
- EI** org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.indices() may expose internal representation by returning IndicesAliasesRequest\$AliasActions.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions
Method: org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.indices()
Field: org.elasticsearch.action.admin.indices.alias.IndicesAliasesRequest\$AliasActions.indices
At: IndicesAliasesRequest.java:[line 512]
- EI** org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.aliases() may expose internal representation by returning GetAliasesRequest.aliases
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest

- Method:** org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.aliases()
Field: org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.aliases
At: GetAliasesRequest.java:[line 92]
- EI** org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.getOriginalAliases() may expose internal representation by returning GetAliasesRequest.originalAliases
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest
Method: org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.getOriginalAliases()
Field: org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.originalAliases
At: GetAliasesRequest.java:[line 104]
- EI** org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.indices() may expose internal representation by returning GetAliasesRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest
Method: org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.indices()
Field: org.elasticsearch.action.admin.indices.alias.get.GetAliasesRequest.indices
At: GetAliasesRequest.java:[line 87]
- EI** org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$AnalyzeTokenList.getTokens() may expose internal representation by returning AnalyzeAction\$AnalyzeTokenList.tokens
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$AnalyzeTokenList
Method: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$AnalyzeTokenList.getTokens()
Field: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$AnalyzeTokenList.tokens
At: AnalyzeAction.java:[line 734]
- EI** org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$CharFilteredText.getTexts() may expose internal representation by returning AnalyzeAction\$CharFilteredText.texts
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$CharFilteredText
Method: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$CharFilteredText.getTexts()
Field: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$CharFilteredText.texts
At: AnalyzeAction.java:[line 800]
- EI** org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$DetailAnalyzeResponse.charfilters() may expose internal representation by returning AnalyzeAction\$DetailAnalyzeResponse.charfilters
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$DetailAnalyzeResponse
Method: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$DetailAnalyzeResponse.charfilters()
Field: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$DetailAnalyzeResponse.charfilters
At: AnalyzeAction.java:[line 585]
- EI** org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$DetailAnalyzeResponse.tokenfilters() may expose internal representation by returning AnalyzeAction\$DetailAnalyzeResponse.tokenfilters
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$DetailAnalyzeResponse
Method: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$DetailAnalyzeResponse.tokenfilters()
Field: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$DetailAnalyzeResponse.tokenfilters
At: AnalyzeAction.java:[line 593]
- EI** org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$Request.attributes() may expose internal representation by returning AnalyzeAction\$Request.attributes
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$Request
Method: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$Request.attributes()
Field: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$Request.attributes
At: AnalyzeAction.java:[line 207]
- EI** org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$Request.text() may expose internal representation by returning AnalyzeAction\$Request.text
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$Request
Method: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$Request.text()
Field: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$Request.text
At: AnalyzeAction.java:[line 100]
- EI** org.elasticsearch.action.admin.indices.cache.clear.ClearIndicesCacheRequest.fields() may expose internal representation by returning ClearIndicesCacheRequest.fields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.cache.clear.ClearIndicesCacheRequest
Method: org.elasticsearch.action.admin.indices.cache.clear.ClearIndicesCacheRequest.fields()
Field: org.elasticsearch.action.admin.indices.cache.clear.ClearIndicesCacheRequest.fields
At: ClearIndicesCacheRequest.java:[line 85]
- EI** org.elasticsearch.action.admin.indices.close.CloseIndexRequest.indices() may expose internal representation by returning CloseIndexRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.close.CloseIndexRequest
Method: org.elasticsearch.action.admin.indices.close.CloseIndexRequest.indices()
Field: org.elasticsearch.action.admin.indices.close.CloseIndexRequest.indices
At: CloseIndexRequest.java:[line 81]
- EI** org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$IndexResult.getShards() may expose internal representation by returning CloseIndexResponse\$IndexResult.shards
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$IndexResult
Method: org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$IndexResult.getShards()
Field: org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$IndexResult.shards
At: CloseIndexResponse.java:[line 136]
- EI** org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$ShardResult.getFailures() may expose internal representation by returning CloseIndexResponse\$ShardResult.failures

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$ShardResult

Method: org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$ShardResult.getFailures()

Field: org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$ShardResult.failures

At: CloseIndexResponse.java:[line 215]

EI org.elasticsearch.action.admin.indices.delete.DeleteIndexRequest.indices() may expose internal representation by returning DeleteIndexRequest.indices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.delete.DeleteIndexRequest

Method: org.elasticsearch.action.admin.indices.delete.DeleteIndexRequest.indices()

Field: org.elasticsearch.action.admin.indices.delete.DeleteIndexRequest.indices

At: DeleteIndexRequest.java:[line 100]

EI org.elasticsearch.action.admin.indices.exists.indices.IndicesExistsRequest.indices() may expose internal representation by returning IndicesExistsRequest.indices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.exists.indices.IndicesExistsRequest

Method: org.elasticsearch.action.admin.indices.exists.indices.IndicesExistsRequest.indices()

Field: org.elasticsearch.action.admin.indices.exists.indices.IndicesExistsRequest.indices

At: IndicesExistsRequest.java:[line 63]

EI org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.indices() may expose internal representation by returning TypesExistsRequest.indices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest

Method: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.indices()

Field: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.indices

At: TypesExistsRequest.java:[line 64]

EI org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.types() may expose internal representation by returning TypesExistsRequest.types

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest

Method: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.types()

Field: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.types

At: TypesExistsRequest.java:[line 74]

EI org.elasticsearch.action.admin.indices.get.GetIndexRequest.features() may expose internal representation by returning GetIndexRequest.features

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.get.GetIndexRequest

Method: org.elasticsearch.action.admin.indices.get.GetIndexRequest.features()

Field: org.elasticsearch.action.admin.indices.get.GetIndexRequest.features

At: GetIndexRequest.java:[line 103]

EI org.elasticsearch.action.admin.indices.get.GetIndexResponse.indices() may expose internal representation by returning GetIndexResponse.indices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.get.GetIndexResponse

Method: org.elasticsearch.action.admin.indices.get.GetIndexResponse.indices()

Field: org.elasticsearch.action.admin.indices.get.GetIndexResponse.indices

At: GetIndexResponse.java:[line 146]

EI org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest.fields() may expose internal representation by returning GetFieldMappingsIndexRequest.fields

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest

Method: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest.fields()

Field: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest.fields

At: GetFieldMappingsIndexRequest.java:[line 69]

EI org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest.types() may expose internal representation by returning GetFieldMappingsIndexRequest.types

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest

Method: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest.types()

Field: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsIndexRequest.types

At: GetFieldMappingsIndexRequest.java:[line 65]

EI org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.fields() may expose internal representation by returning GetFieldMappingsRequest.fields

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest

Method: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.fields()

Field: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.fields

At: GetFieldMappingsRequest.java:[line 118]

EI org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.indices() may expose internal representation by returning GetFieldMappingsRequest.indices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest

Method: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.indices()

Field: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.indices

At: GetFieldMappingsRequest.java:[line 94]

EI org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.types() may expose internal representation by returning GetFieldMappingsRequest.types

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest

Method: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.types()

Field: org.elasticsearch.action.admin.indices.mapping.get.GetFieldMappingsRequest.types

At: GetFieldMappingsRequest.java:[line 98]

EI org.elasticsearch.action.admin.indices.mapping.put.PutMappingRequest.indices() may expose internal representation by returning PutMappingRequest.indices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.mapping.put.PutMappingRequest

- Method:** org.elasticsearch.action.admin.indices.mapping.put.PutMappingRequest.indices()
Field: org.elasticsearch.action.admin.indices.mapping.put.PutMappingRequest.indices
At: PutMappingRequest.java:[line 164]
- EI** org.elasticsearch.action.admin.indices.open.OpenIndexRequest.indices() may expose internal representation by returning OpenIndexRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.open.OpenIndexRequest
Method: org.elasticsearch.action.admin.indices.open.OpenIndexRequest.indices()
Field: org.elasticsearch.action.admin.indices.open.OpenIndexRequest.indices
At: OpenIndexRequest.java:[line 79]
- EI** org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest.indices() may expose internal representation by returning AddIndexBlockRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest
Method: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest.indices()
Field: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest.indices
At: AddIndexBlockRequest.java:[line 77]
- EI** org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockResult.getShards() may expose internal representation by returning AddIndexBlockResponse\$AddBlockResult.shards
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockResult
Method: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockResult.getShards()
Field: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockResult.shards
At: AddIndexBlockResponse.java:[line 126]
- EI** org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockShardResult.getFailures() may expose internal representation by returning AddIndexBlockResponse\$AddBlockShardResult.failures
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockShardResult
Method: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockShardResult.getFailures()
Field: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockShardResult.failures
At: AddIndexBlockResponse.java:[line 205]
- EI** org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$Request.indices() may expose internal representation by returning ResolveIndexAction\$Request.names
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$Request
Method: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$Request.indices()
Field: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$Request.names
At: ResolveIndexAction.java:[line 127]
- EI** org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedAlias.getIndices() may expose internal representation by returning ResolveIndexAction\$ResolvedAlias.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedAlias
Method: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedAlias.getIndices()
Field: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedAlias.indices
At: ResolveIndexAction.java:[line 270]
- EI** org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedDataStream.getBackingIndices() may expose internal representation by returning ResolveIndexAction\$ResolvedDataStream.backingIndices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedDataStream
Method: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedDataStream.getBackingIndices()
Field: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedDataStream.backingIndices
At: ResolveIndexAction.java:[line 331]
- EI** org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedIndex.getAliases() may expose internal representation by returning ResolveIndexAction\$ResolvedIndex.aliases
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedIndex
Method: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedIndex.getAliases()
Field: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedIndex.aliases
At: ResolveIndexAction.java:[line 197]
- EI** org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedIndex.getAttributes() may expose internal representation by returning ResolveIndexAction\$ResolvedIndex.attributes
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedIndex
Method: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedIndex.getAttributes()
Field: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$ResolvedIndex.attributes
At: ResolveIndexAction.java:[line 201]
- EI** org.elasticsearch.action.admin.indices.segments.IndexShardSegments.getShards() may expose internal representation by returning IndexShardSegments.shards
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.segments.IndexShardSegments
Method: org.elasticsearch.action.admin.indices.segments.IndexShardSegments.getShards()
Field: org.elasticsearch.action.admin.indices.segments.IndexShardSegments.shards
At: IndexShardSegments.java:[line 47]
- EI** org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest.indices() may expose internal representation by returning GetSettingsRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest
Method: org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest.indices()
Field: org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest.indices
At: GetSettingsRequest.java:[line 92]
- EI** org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest.names() may expose internal representation by returning GetSettingsRequest.names
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest

- Method:** org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest.names()
Field: org.elasticsearch.action.admin.indices.settings.get.GetSettingsRequest.names
At: GetSettingsRequest.java:[line 106]
- EI** org.elasticsearch.action.admin.indices.settings.put.UpdateSettingsRequest.indices() may expose internal representation by returning UpdateSettingsRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.settings.put.UpdateSettingsRequest
Method: org.elasticsearch.action.admin.indices.settings.put.UpdateSettingsRequest.indices()
Field: org.elasticsearch.action.admin.indices.settings.put.UpdateSettingsRequest.indices
At: UpdateSettingsRequest.java:[line 94]
- EI** org.elasticsearch.action.admin.indices.shards.IndicesShardStoresRequest.indices() may expose internal representation by returning IndicesShardStoresRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.shards.IndicesShardStoresRequest
Method: org.elasticsearch.action.admin.indices.shards.IndicesShardStoresRequest.indices()
Field: org.elasticsearch.action.admin.indices.shards.IndicesShardStoresRequest.indices
At: IndicesShardStoresRequest.java:[line 124]
- EI** org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.completionDataFields() may expose internal representation by returning CommonStatsFlags.completionDataFields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags
Method: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.completionDataFields()
Field: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.completionDataFields
At: CommonStatsFlags.java:[line 175]
- EI** org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.fieldDataFields() may expose internal representation by returning CommonStatsFlags.fieldDataFields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags
Method: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.fieldDataFields()
Field: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.fieldDataFields
At: CommonStatsFlags.java:[line 166]
- EI** org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.groups() may expose internal representation by returning CommonStatsFlags.groups
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags
Method: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.groups()
Field: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.groups
At: CommonStatsFlags.java:[line 153]
- EI** org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.types() may expose internal representation by returning CommonStatsFlags.types
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags
Method: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.types()
Field: org.elasticsearch.action.admin.indices.stats.CommonStatsFlags.types
At: CommonStatsFlags.java:[line 140]
- EI** org.elasticsearch.action.admin.indices.stats.IndexShardStats.getShards() may expose internal representation by returning IndexShardStats.shards
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.stats.IndexShardStats
Method: org.elasticsearch.action.admin.indices.stats.IndexShardStats.getShards()
Field: org.elasticsearch.action.admin.indices.stats.IndexShardStats.shards
At: IndexShardStats.java:[line 52]
- EI** org.elasticsearch.action.admin.indices.stats.IndexStats.getShards() may expose internal representation by returning IndexStats.shards
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.stats.IndexStats
Method: org.elasticsearch.action.admin.indices.stats.IndexStats.getShards()
Field: org.elasticsearch.action.admin.indices.stats.IndexStats.shards
At: IndexStats.java:[line 51]
- EI** org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse.getShards() may expose internal representation by returning IndicesStatsResponse.shards
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse
Method: org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse.getShards()
Field: org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse.shards
At: IndicesStatsResponse.java:[line 69]
- EI** org.elasticsearch.action.admin.indices.template.get.GetIndexTemplatesRequest.names() may expose internal representation by returning GetIndexTemplatesRequest.names
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.template.get.GetIndexTemplatesRequest
Method: org.elasticsearch.action.admin.indices.template.get.GetIndexTemplatesRequest.names()
Field: org.elasticsearch.action.admin.indices.template.get.GetIndexTemplatesRequest.names
At: GetIndexTemplatesRequest.java:[line 83]
- EI** org.elasticsearch.action.admin.indices.upgrade.get.IndexShardUpgradeStatus.getShards() may expose internal representation by returning IndexShardUpgradeStatus.shards
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.upgrade.get.IndexShardUpgradeStatus
Method: org.elasticsearch.action.admin.indices.upgrade.get.IndexShardUpgradeStatus.getShards()
Field: org.elasticsearch.action.admin.indices.upgrade.get.IndexShardUpgradeStatus.shards
At: IndexShardUpgradeStatus.java:[line 47]
- EI** org.elasticsearch.action.admin.indices.validate.query.ShardValidateQueryRequest.types() may expose internal representation by returning ShardValidateQueryRequest.types
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.validate.query.ShardValidateQueryRequest
Method: org.elasticsearch.action.admin.indices.validate.query.ShardValidateQueryRequest.types()

- Field:** org.elasticsearch.action.admin.indices.validate.query.ShardValidateQueryRequest.types
At: ShardValidateQueryRequest.java:[line 77]
- EI** org.elasticsearch.action.admin.indices.validate.query.ValidateQueryRequest.types() may expose internal representation by returning ValidateQueryRequest.types
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.validate.query.ValidateQueryRequest
Method: org.elasticsearch.action.admin.indices.validate.query.ValidateQueryRequest.types()
Field: org.elasticsearch.action.admin.indices.validate.query.ValidateQueryRequest.types
At: ValidateQueryRequest.java:[line 111]
- EI** org.elasticsearch.action.bulk.BulkResponse.getItems() may expose internal representation by returning BulkResponse.responses
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.bulk.BulkResponse
Method: org.elasticsearch.action.bulk.BulkResponse.getItems()
Field: org.elasticsearch.action.bulk.BulkResponse.responses
At: BulkResponse.java:[line 128]
- EI** org.elasticsearch.action.bulk.BulkShardRequest.items() may expose internal representation by returning BulkShardRequest.items
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.bulk.BulkShardRequest
Method: org.elasticsearch.action.bulk.BulkShardRequest.items()
Field: org.elasticsearch.action.bulk.BulkShardRequest.items
At: BulkShardRequest.java:[line 56]
- EI** org.elasticsearch.action.bulk.BulkShardResponse.getResponses() may expose internal representation by returning BulkShardResponse.responses
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.bulk.BulkShardResponse
Method: org.elasticsearch.action.bulk.BulkShardResponse.getResponses()
Field: org.elasticsearch.action.bulk.BulkShardResponse.responses
At: BulkShardResponse.java:[line 57]
- EI** org.elasticsearch.action.explain.ExplainRequest.storedFields() may expose internal representation by returning ExplainRequest.storedFields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.explain.ExplainRequest
Method: org.elasticsearch.action.explain.ExplainRequest.storedFields()
Field: org.elasticsearch.action.explain.ExplainRequest.storedFields
At: ExplainRequest.java:[line 165]
- EI** org.elasticsearch.action.fieldcaps.FieldCapabilities.indices() may expose internal representation by returning FieldCapabilities.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilities
Method: org.elasticsearch.action.fieldcaps.FieldCapabilities.indices()
Field: org.elasticsearch.action.fieldcaps.FieldCapabilities.indices
At: FieldCapabilities.java:[line 221]
- EI** org.elasticsearch.action.fieldcaps.FieldCapabilities.nonAggregatableIndices() may expose internal representation by returning FieldCapabilities.nonAggregatableIndices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilities
Method: org.elasticsearch.action.fieldcaps.FieldCapabilities.nonAggregatableIndices()
Field: org.elasticsearch.action.fieldcaps.FieldCapabilities.nonAggregatableIndices
At: FieldCapabilities.java:[line 237]
- EI** org.elasticsearch.action.fieldcaps.FieldCapabilities.nonSearchableIndices() may expose internal representation by returning FieldCapabilities.nonSearchableIndices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilities
Method: org.elasticsearch.action.fieldcaps.FieldCapabilities.nonSearchableIndices()
Field: org.elasticsearch.action.fieldcaps.FieldCapabilities.nonSearchableIndices
At: FieldCapabilities.java:[line 229]
- EI** org.elasticsearch.action.fieldcaps.FieldCapabilitiesIndexRequest.fields() may expose internal representation by returning FieldCapabilitiesIndexRequest.fields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilitiesIndexRequest
Method: org.elasticsearch.action.fieldcaps.FieldCapabilitiesIndexRequest.fields()
Field: org.elasticsearch.action.fieldcaps.FieldCapabilitiesIndexRequest.fields
At: FieldCapabilitiesIndexRequest.java:[line 79]
- EI** org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest.fields() may expose internal representation by returning FieldCapabilitiesRequest.fields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest
Method: org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest.fields()
Field: org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest.fields
At: FieldCapabilitiesRequest.java:[line 129]
- EI** org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest.indices() may expose internal representation by returning FieldCapabilitiesRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest
Method: org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest.indices()
Field: org.elasticsearch.action.fieldcaps.FieldCapabilitiesRequest.indices
At: FieldCapabilitiesRequest.java:[line 152]
- EI** org.elasticsearch.action.fieldcaps.FieldCapabilitiesResponse.getIndices() may expose internal representation by returning FieldCapabilitiesResponse.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilitiesResponse
Method: org.elasticsearch.action.fieldcaps.FieldCapabilitiesResponse.getIndices()
Field: org.elasticsearch.action.fieldcaps.FieldCapabilitiesResponse.indices
At: FieldCapabilitiesResponse.java:[line 92]
- EI** org.elasticsearch.action.get.GetRequest.storedFields() may expose internal representation by returning GetRequest.storedFields
[Bug type EI_EXPOSE_REP \(click for details\)](#)

- Class:** org.elasticsearch.action.get.GetRequest
Method: org.elasticsearch.action.get.GetRequest.storedFields()
Field: org.elasticsearch.action.get.GetRequest.storedFields
At: GetRequest.java:[line 228]
- EI** org.elasticsearch.action.get.MultiGetRequest\$Item.storedFields() may expose internal representation by returning MultiGetRequest\$Item.storedFields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.get.MultiGetRequest\$Item
Method: org.elasticsearch.action.get.MultiGetRequest\$Item.storedFields()
Field: org.elasticsearch.action.get.MultiGetRequest\$Item.storedFields
At: MultiGetRequest.java:[line 167]
- EI** org.elasticsearch.action.get.MultiGetResponse.getResponsees() may expose internal representation by returning MultiGetResponse.responses
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.get.MultiGetResponse
Method: org.elasticsearch.action.get.MultiGetResponse.getResponsees()
Field: org.elasticsearch.action.get.MultiGetResponse.responses
At: MultiGetResponse.java:[line 136]
- EI** org.elasticsearch.action.ingest.GetPipelineRequest.getIds() may expose internal representation by returning GetPipelineRequest.ids
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.ingest.GetPipelineRequest
Method: org.elasticsearch.action.ingest.GetPipelineRequest.getIds()
Field: org.elasticsearch.action.ingest.GetPipelineRequest.ids
At: GetPipelineRequest.java:[line 57]
- EI** org.elasticsearch.action.resync.ResyncReplicationRequest.getOperations() may expose internal representation by returning ResyncReplicationRequest.operations
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.resync.ResyncReplicationRequest
Method: org.elasticsearch.action.resync.ResyncReplicationRequest.getOperations()
Field: org.elasticsearch.action.resync.ResyncReplicationRequest.operations
At: ResyncReplicationRequest.java:[line 84]
- EI** org.elasticsearch.action.search.MultiSearchResponse.getResponsees() may expose internal representation by returning MultiSearchResponse.items
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.search.MultiSearchResponse
Method: org.elasticsearch.action.search.MultiSearchResponse.getResponsees()
Field: org.elasticsearch.action.search.MultiSearchResponse.items
At: MultiSearchResponse.java:[line 151]
- EI** org.elasticsearch.action.search.ParsedScrollId.getContext() may expose internal representation by returning ParsedScrollId.context
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.search.ParsedScrollId
Method: org.elasticsearch.action.search.ParsedScrollId.getContext()
Field: org.elasticsearch.action.search.ParsedScrollId.context
At: ParsedScrollId.java:[line 51]
- EI** org.elasticsearch.action.search.SearchPhaseExecutionException.shardFailures() may expose internal representation by returning SearchPhaseExecutionException.shardFailures
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.search.SearchPhaseExecutionException
Method: org.elasticsearch.action.search.SearchPhaseExecutionException.shardFailures()
Field: org.elasticsearch.action.search.SearchPhaseExecutionException.shardFailures
At: SearchPhaseExecutionException.java:[line 98]
- EI** org.elasticsearch.action.search.SearchRequest.indices() may expose internal representation by returning SearchRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.search.SearchRequest
Method: org.elasticsearch.action.search.SearchRequest.indices()
Field: org.elasticsearch.action.search.SearchRequest.indices
At: SearchRequest.java:[line 502]
- EI** org.elasticsearch.action.search.SearchRequest.types() may expose internal representation by returning SearchRequest.types
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.search.SearchRequest
Method: org.elasticsearch.action.search.SearchRequest.types()
Field: org.elasticsearch.action.search.SearchRequest.types
At: SearchRequest.java:[line 394]
- EI** org.elasticsearch.action.search.SearchResponse.getShardFailures() may expose internal representation by returning SearchResponse.shardFailures
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.search.SearchResponse
Method: org.elasticsearch.action.search.SearchResponse.getShardFailures()
Field: org.elasticsearch.action.search.SearchResponse.shardFailures
At: SearchResponse.java:[line 220]
- EI** org.elasticsearch.action.support.ActionFilters.filters() may expose internal representation by returning ActionFilters.filters
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.support.ActionFilters
Method: org.elasticsearch.action.support.ActionFilters.filters()
Field: org.elasticsearch.action.support.ActionFilters.filters
At: ActionFilters.java:[line 47]
- EI** org.elasticsearch.action.support.broadcast.BroadcastRequest.indices() may expose internal representation by returning BroadcastRequest.indices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.action.support.broadcast.BroadcastRequest
Method: org.elasticsearch.action.support.broadcast.BroadcastRequest.indices()
Field: org.elasticsearch.action.support.broadcast.BroadcastRequest.indices
At: BroadcastRequest.java:[line 53]
- EI** org.elasticsearch.action.support.broadcast.BroadcastResponse.getShardFailures() may expose internal representation by returning

BroadcastResponse.shardFailures

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.support.broadcast.BroadcastResponse

Method: org.elasticsearch.action.support.broadcast.BroadcastResponse.getShardFailures()

Field: org.elasticsearch.action.support.broadcast.BroadcastResponse.shardFailures

At: BroadcastResponse.java:[line 132]

EI org.elasticsearch.action.support.master.info.ClusterInfoRequest.indices() may expose internal representation by returning ClusterInfoRequest.indices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.support.master.info.ClusterInfoRequest

Method: org.elasticsearch.action.support.master.info.ClusterInfoRequest.indices()

Field: org.elasticsearch.action.support.master.info.ClusterInfoRequest.indices

At: ClusterInfoRequest.java:[line 78]

EI org.elasticsearch.action.support.master.info.ClusterInfoRequest.types() may expose internal representation by returning ClusterInfoRequest.types

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.support.master.info.ClusterInfoRequest

Method: org.elasticsearch.action.support.master.info.ClusterInfoRequest.types()

Field: org.elasticsearch.action.support.master.info.ClusterInfoRequest.types

At: ClusterInfoRequest.java:[line 82]

EI org.elasticsearch.action.support.nodes.BaseNodesRequest.concreteNodes() may expose internal representation by returning BaseNodesRequest.concreteNodes

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.support.nodes.BaseNodesRequest

Method: org.elasticsearch.action.support.nodes.BaseNodesRequest.concreteNodes()

Field: org.elasticsearch.action.support.nodes.BaseNodesRequest.concreteNodes

At: BaseNodesRequest.java:[line 96]

EI org.elasticsearch.action.support.nodes.BaseNodesRequest.nodesIds() may expose internal representation by returning BaseNodesRequest.nodesIds

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.support.nodes.BaseNodesRequest

Method: org.elasticsearch.action.support.nodes.BaseNodesRequest.nodesIds()

Field: org.elasticsearch.action.support.nodes.BaseNodesRequest.nodesIds

At: BaseNodesRequest.java:[line 71]

EI org.elasticsearch.action.support.replication.ReplicationResponse\$ShardInfo.getFailures() may expose internal representation by returning ReplicationResponse\$ShardInfo.failures

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.support.replication.ReplicationResponse\$ShardInfo

Method: org.elasticsearch.action.support.replication.ReplicationResponse\$ShardInfo.getFailures()

Field: org.elasticsearch.action.support.replication.ReplicationResponse\$ShardInfo.failures

At: ReplicationResponse.java:[line 132]

EI org.elasticsearch.action.support.tasks.BaseTasksRequest.getActions() may expose internal representation by returning BaseTasksRequest.actions

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.support.tasks.BaseTasksRequest

Method: org.elasticsearch.action.support.tasks.BaseTasksRequest.getActions()

Field: org.elasticsearch.action.support.tasks.BaseTasksRequest.actions

At: BaseTasksRequest.java:[line 103]

EI org.elasticsearch.action.support.tasks.BaseTasksRequest.getNodes() may expose internal representation by returning BaseTasksRequest.nodes

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.support.tasks.BaseTasksRequest

Method: org.elasticsearch.action.support.tasks.BaseTasksRequest.getNodes()

Field: org.elasticsearch.action.support.tasks.BaseTasksRequest.nodes

At: BaseTasksRequest.java:[line 107]

EI org.elasticsearch.action.termvectors.MultiTermVectorsResponse.getResponses() may expose internal representation by returning MultiTermVectorsResponse.responses

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.action.termvectors.MultiTermVectorsResponse

Method: org.elasticsearch.action.termvectors.MultiTermVectorsResponse.getResponses()

Field: org.elasticsearch.action.termvectors.MultiTermVectorsResponse.responses

At: MultiTermVectorsResponse.java:[line 111]

EI org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest.indices() may expose internal representation by returning IndicesClusterStateUpdateRequest.indices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest

Method: org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest.indices()

Field: org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest.indices

At: IndicesClusterStateUpdateRequest.java:[line 34]

EI org.elasticsearch.cluster.metadata.Metadata.getConcreteAllClosedIndices() may expose internal representation by returning Metadata.allClosedIndices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.cluster.metadata.Metadata

Method: org.elasticsearch.cluster.metadata.Metadata.getConcreteAllClosedIndices()

Field: org.elasticsearch.cluster.metadata.Metadata.allClosedIndices

At: Metadata.java:[line 590]

EI org.elasticsearch.cluster.metadata.Metadata.getConcreteAllIndices() may expose internal representation by returning Metadata.allIndices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.cluster.metadata.Metadata

Method: org.elasticsearch.cluster.metadata.Metadata.getConcreteAllIndices()

Field: org.elasticsearch.cluster.metadata.Metadata.allIndices

At: Metadata.java:[line 562]

EI org.elasticsearch.cluster.metadata.Metadata.getConcreteAllOpenIndices() may expose internal representation by returning Metadata.allOpenIndices

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.cluster.metadata.Metadata

- Method:** org.elasticsearch.cluster.metadata.Metadata.getConcreteAllOpenIndices()
Field: org.elasticsearch.cluster.metadata.Metadata.allOpenIndices
At: Metadata.java:[line 576]
- EI** org.elasticsearch.cluster.metadata.Metadata.getConcreteVisibleClosedIndices() may expose internal representation by returning Metadata.visibleClosedIndices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.cluster.metadata.Metadata
Method: org.elasticsearch.cluster.metadata.Metadata.getConcreteVisibleClosedIndices()
Field: org.elasticsearch.cluster.metadata.Metadata.visibleClosedIndices
At: Metadata.java:[line 597]
- EI** org.elasticsearch.cluster.metadata.Metadata.getConcreteVisibleIndices() may expose internal representation by returning Metadata.visibleIndices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.cluster.metadata.Metadata
Method: org.elasticsearch.cluster.metadata.Metadata.getConcreteVisibleIndices()
Field: org.elasticsearch.cluster.metadata.Metadata.visibleIndices
At: Metadata.java:[line 569]
- EI** org.elasticsearch.cluster.metadata.Metadata.getConcreteVisibleOpenIndices() may expose internal representation by returning Metadata.visibleOpenIndices
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.cluster.metadata.Metadata
Method: org.elasticsearch.cluster.metadata.Metadata.getConcreteVisibleOpenIndices()
Field: org.elasticsearch.cluster.metadata.Metadata.visibleOpenIndices
At: Metadata.java:[line 583]
- EI** org.elasticsearch.common.ParseField.getAllNamesIncludedDeprecated() may expose internal representation by returning ParseField.allNames
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.common.ParseField
Method: org.elasticsearch.common.ParseField.getAllNamesIncludedDeprecated()
Field: org.elasticsearch.common.ParseField.allNames
At: ParseField.java:[line 78]
- EI** org.elasticsearch.common.ParseField.getDeprecatedNames() may expose internal representation by returning ParseField.deprecatedNames
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.common.ParseField
Method: org.elasticsearch.common.ParseField.getDeprecatedNames()
Field: org.elasticsearch.common.ParseField.deprecatedNames
At: ParseField.java:[line 180]
- EI** org.elasticsearch.common.bytes.ByteArray.array() may expose internal representation by returning ByteArray.bytes
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.common.bytes.ByteArray
Method: org.elasticsearch.common.bytes.ByteArray.array()
Field: org.elasticsearch.common.bytes.ByteArray.bytes
At: ByteArray.java:[line 101]
- EI** org.elasticsearch.common.compress.CompressedXContent.compressed() may expose internal representation by returning CompressedXContent.bytes
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.common.compress.CompressedXContent
Method: org.elasticsearch.common.compress.CompressedXContent.compressed()
Field: org.elasticsearch.common.compress.CompressedXContent.bytes
At: CompressedXContent.java:[line 119]
- EI** org.elasticsearch.common.lucene.search.MoreLikeThisQuery.getLikeFields() may expose internal representation by returning MoreLikeThisQuery.likeFields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.MoreLikeThisQuery
Method: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.getLikeFields()
Field: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.likeFields
At: MoreLikeThisQuery.java:[line 232]
- EI** org.elasticsearch.common.lucene.search.MoreLikeThisQuery.getLikeTexts() may expose internal representation by returning MoreLikeThisQuery.likeText
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.MoreLikeThisQuery
Method: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.getLikeTexts()
Field: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.likeText
At: MoreLikeThisQuery.java:[line 224]
- EI** org.elasticsearch.common.lucene.search.MoreLikeThisQuery.getMoreLikeFields() may expose internal representation by returning MoreLikeThisQuery.moreLikeFields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.MoreLikeThisQuery
Method: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.getMoreLikeFields()
Field: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.moreLikeFields
At: MoreLikeThisQuery.java:[line 252]
- EI** org.elasticsearch.common.lucene.search.XMoreLikeThis.getFieldNames() may expose internal representation by returning XMoreLikeThis.fieldNames
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.XMoreLikeThis
Method: org.elasticsearch.common.lucene.search.XMoreLikeThis.getFieldNames()
Field: org.elasticsearch.common.lucene.search.XMoreLikeThis.fieldNames
At: XMoreLikeThis.java:[line 491]
- EI** org.elasticsearch.common.lucene.search.function.FunctionScoreQuery.getFunctions() may expose internal representation by returning FunctionScoreQuery.functions
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.function.FunctionScoreQuery
Method: org.elasticsearch.common.lucene.search.function.FunctionScoreQuery.getFunctions()
Field: org.elasticsearch.common.lucene.search.function.FunctionScoreQuery.functions
At: FunctionScoreQuery.java:[line 189]
- EI** org.elasticsearch.common.settings SecureString.getChars() may expose internal representation by returning SecureString.chars

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.common.settings.SecureString
Method: org.elasticsearch.common.settings.SecureString.getChars()
Field: org.elasticsearch.common.settings.SecureString.chars
At: SecureString.java:[line 141]

EI org.elasticsearch.common.transport.BoundTransportAddress.boundAddresses() may expose internal representation by returning BoundTransportAddress.boundAddresses

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.common.transport.BoundTransportAddress
Method: org.elasticsearch.common.transport.BoundTransportAddress.boundAddresses()
Field: org.elasticsearch.common.transport.BoundTransportAddress.boundAddresses
At: BoundTransportAddress.java:[line 58]

EI org.elasticsearch.env.Environment.dataFiles() may expose internal representation by returning Environment.dataFiles

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.env.Environment
Method: org.elasticsearch.env.Environment.dataFiles()
Field: org.elasticsearch.env.Environment.dataFiles
At: Environment.java:[line 205]

EI org.elasticsearch.env.Environment.repoFiles() may expose internal representation by returning Environment.repoFiles

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.env.Environment
Method: org.elasticsearch.env.Environment.repoFiles()
Field: org.elasticsearch.env.Environment.repoFiles
At: Environment.java:[line 219]

EI org.elasticsearch.env.NodeEnvironment.nodePaths() may expose internal representation by returning NodeEnvironment.nodePaths

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.env.NodeEnvironment
Method: org.elasticsearch.env.NodeEnvironment.nodePaths()
Field: org.elasticsearch.env.NodeEnvironment.nodePaths
At: NodeEnvironment.java:[line 837]

EI org.elasticsearch.env.NodeEnvironment\$NodeLock.getNodePaths() may expose internal representation by returning NodeEnvironment\$NodeLock.nodePaths

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.env.NodeEnvironment\$NodeLock
Method: org.elasticsearch.env.NodeEnvironment\$NodeLock.getNodePaths()
Field: org.elasticsearch.env.NodeEnvironment\$NodeLock.nodePaths
At: NodeEnvironment.java:[line 234]

EI org.elasticsearch.gateway.PersistedClusterStateService.getDataPaths() may expose internal representation by returning PersistedClusterStateService.dataPaths

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.gateway.PersistedClusterStateService
Method: org.elasticsearch.gateway.PersistedClusterStateService.getDataPaths()
Field: org.elasticsearch.gateway.PersistedClusterStateService.dataPaths
At: PersistedClusterStateService.java:[line 231]

EI org.elasticsearch.index.analysis.AnalyzerComponents.getCharFilters() may expose internal representation by returning AnalyzerComponents.charFilters

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.index.analysis.AnalyzerComponents
Method: org.elasticsearch.index.analysis.AnalyzerComponents.getCharFilters()
Field: org.elasticsearch.index.analysis.AnalyzerComponents.charFilters
At: AnalyzerComponents.java:[line 101]

EI org.elasticsearch.index.analysis.AnalyzerComponents.getTokenFilters() may expose internal representation by returning AnalyzerComponents.tokenFilters

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.index.analysis.AnalyzerComponents
Method: org.elasticsearch.index.analysis.AnalyzerComponents.getTokenFilters()
Field: org.elasticsearch.index.analysis.AnalyzerComponents.tokenFilters
At: AnalyzerComponents.java:[line 97]

EI org.elasticsearch.index.get.GetResult.source() may expose internal representation by returning GetResult.sourceAsBytes

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.index.get.GetResult
Method: org.elasticsearch.index.get.GetResult.source()
Field: org.elasticsearch.index.get.GetResult.sourceAsBytes
At: GetResult.java:[line 185]

Another occurrence at GetResult.java:[line 188]

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

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.index.query.IdsQueryBuilder
Method: org.elasticsearch.index.query.IdsQueryBuilder.types()
Field: org.elasticsearch.index.query.IdsQueryBuilder.types
At: IdsQueryBuilder.java:[line 107]

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

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.index.query.MoreLikeThisQueryBuilder
Method: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.fields()
Field: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.fields
At: MoreLikeThisQueryBuilder.java:[line 602]

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

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.index.query.MoreLikeThisQueryBuilder
Method: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.likeItems()
Field: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.likeItems
At: MoreLikeThisQueryBuilder.java:[line 610]

- EI** org.elasticsearch.index.query.MoreLikeThisQueryBuilder.likeTexts() may expose internal representation by returning MoreLikeThisQueryBuilder.likeTexts
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.index.query.MoreLikeThisQueryBuilder
Method: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.likeTexts()
Field: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.likeTexts
At: MoreLikeThisQueryBuilder.java:[line 606]
- EI** org.elasticsearch.index.query.MoreLikeThisQueryBuilder.stopWords() may expose internal representation by returning MoreLikeThisQueryBuilder.stopWords
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.index.query.MoreLikeThisQueryBuilder
Method: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.stopWords()
Field: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.stopWords
At: MoreLikeThisQueryBuilder.java:[line 739]
- EI** org.elasticsearch.index.query.MoreLikeThisQueryBuilder.unlikeItems() may expose internal representation by returning MoreLikeThisQueryBuilder.unlikeItems
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.index.query.MoreLikeThisQueryBuilder
Method: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.unlikeItems()
Field: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.unlikeItems
At: MoreLikeThisQueryBuilder.java:[line 634]
- EI** org.elasticsearch.index.query.MoreLikeThisQueryBuilder.unlikeTexts() may expose internal representation by returning MoreLikeThisQueryBuilder.unlikeTexts
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.index.query.MoreLikeThisQueryBuilder
Method: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.unlikeTexts()
Field: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.unlikeTexts
At: MoreLikeThisQueryBuilder.java:[line 622]
- EI** org.elasticsearch.index.query.MoreLikeThisQueryBuilder\$Item.fields() may expose internal representation by returning MoreLikeThisQueryBuilder\$Item.fields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.index.query.MoreLikeThisQueryBuilder\$Item
Method: org.elasticsearch.index.query.MoreLikeThisQueryBuilder\$Item.fields()
Field: org.elasticsearch.index.query.MoreLikeThisQueryBuilder\$Item.fields
At: MoreLikeThisQueryBuilder.java:[line 328]
- EI** org.elasticsearch.index.query.QueryShardContext.getTypes() may expose internal representation by returning QueryShardContext.types
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.index.query.QueryShardContext
Method: org.elasticsearch.index.query.QueryShardContext.getTypes()
Field: org.elasticsearch.index.query.QueryShardContext.types
At: QueryShardContext.java:[line 108]
- EI** org.elasticsearch.index.query.WrapperQueryBuilder.source() may expose internal representation by returning WrapperQueryBuilder.source
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.index.query.WrapperQueryBuilder
Method: org.elasticsearch.index.query.WrapperQueryBuilder.source()
Field: org.elasticsearch.index.query.WrapperQueryBuilder.source
At: WrapperQueryBuilder.java:[line 104]
- EI** org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder.filterFunctionBuilders() may expose internal representation by returning FunctionScoreQueryBuilder.filterFunctionBuilders
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder
Method: org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder.filterFunctionBuilders()
Field: org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder.filterFunctionBuilders
At: FunctionScoreQueryBuilder.java:[line 179]
- EI** org.elasticsearch.indices.breaker.AllCircuitBreakerStats.getAllStats() may expose internal representation by returning AllCircuitBreakerStats.allStats
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.indices.breaker.AllCircuitBreakerStats
Method: org.elasticsearch.indices.breaker.AllCircuitBreakerStats.getAllStats()
Field: org.elasticsearch.indices.breaker.AllCircuitBreakerStats.allStats
At: AllCircuitBreakerStats.java:[line 51]
- EI** org.elasticsearch.ingest.ValueSource\$ByteValue.copyAndResolve(Map) may expose internal representation by returning ValueSource\$ByteValue.value
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.ingest.ValueSource\$ByteValue
Method: org.elasticsearch.ingest.ValueSource\$ByteValue.copyAndResolve(Map)
Field: org.elasticsearch.ingest.ValueSource\$ByteValue.value
At: ValueSource.java:[line 193]
- EI** org.elasticsearch.monitor.fs.FsInfo\$IStats.getDevicesStats() may expose internal representation by returning FsInfo\$IStats.devicesStats
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.monitor.fs.FsInfo\$IStats
Method: org.elasticsearch.monitor.fs.FsInfo\$IStats.getDevicesStats()
Field: org.elasticsearch.monitor.fs.FsInfo\$IStats.devicesStats
At: FsInfo.java:[line 374]
- EI** org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock.members() may expose internal representation by returning DeadlockAnalyzer\$Deadlock.members
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock
Method: org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock.members()
Field: org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock.members
At: DeadlockAnalyzer.java:[line 151]
- EI** org.elasticsearch.monitor.jvm.JvmInfo.getGcCollectors() may expose internal representation by returning JvmInfo.gcCollectors
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.monitor.jvm.JvmInfo
Method: org.elasticsearch.monitor.jvm.JvmInfo.getGcCollectors()

- Field:** org.elasticsearch.monitor.jvm.JvmInfo.gcCollectors
At: JvmInfo.java:[line 483]
- EI** org.elasticsearch.monitor.jvm.JvmInfo.getInputArguments() may expose internal representation by returning JvmInfo.inputArguments
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.monitor.jvm.JvmInfo
Method: org.elasticsearch.monitor.jvm.JvmInfo.getInputArguments()
Field: org.elasticsearch.monitor.jvm.JvmInfo.inputArguments
At: JvmInfo.java:[line 427]
- EI** org.elasticsearch.monitor.jvm.JvmInfo.getMemoryPools() may expose internal representation by returning JvmInfo.memoryPools
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.monitor.jvm.JvmInfo
Method: org.elasticsearch.monitor.jvm.JvmInfo.getMemoryPools()
Field: org.elasticsearch.monitor.jvm.JvmInfo.memoryPools
At: JvmInfo.java:[line 487]
- EI** org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors.getCollectors() may expose internal representation by returning JvmStats\$GarbageCollectors.collectors
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors
Method: org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors.getCollectors()
Field: org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors.collectors
At: JvmStats.java:[line 328]
- EI** org.elasticsearch.monitor.os.OsStats\$Cpu.getLoadAverage() may expose internal representation by returning OsStats\$Cpu.loadAverage
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.monitor.os.OsStats\$Cpu
Method: org.elasticsearch.monitor.os.OsStats\$Cpu.getLoadAverage()
Field: org.elasticsearch.monitor.os.OsStats\$Cpu.loadAverage
At: OsStats.java:[line 159]
- EI** org.elasticsearch.plugins.ActionPlugin\$ActionHandler.getSupportTransportActions() may expose internal representation by returning ActionPlugin\$ActionHandler.supportTransportActions
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.plugins.ActionPlugin\$ActionHandler
Method: org.elasticsearch.plugins.ActionPlugin\$ActionHandler.getSupportTransportActions()
Field: org.elasticsearch.plugins.ActionPlugin\$ActionHandler.supportTransportActions
At: ActionPlugin.java:[line 158]
- EI** org.elasticsearch.search.SearchHit.getMatchedQueries() may expose internal representation by returning SearchHit.matchedQueries
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.SearchHit
Method: org.elasticsearch.search.SearchHit.getMatchedQueries()
Field: org.elasticsearch.search.SearchHit.matchedQueries
At: SearchHit.java:[line 567]
- EI** org.elasticsearch.search.SearchHits.getCollapseValues() may expose internal representation by returning SearchHits.collapseValues
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.SearchHits
Method: org.elasticsearch.search.SearchHits.getCollapseValues()
Field: org.elasticsearch.search.SearchHits.collapseValues
At: SearchHits.java:[line 182]
- EI** org.elasticsearch.search.SearchHits.getHits() may expose internal representation by returning SearchHits.hits
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.SearchHits
Method: org.elasticsearch.search.SearchHits.getHits()
Field: org.elasticsearch.search.SearchHits.hits
At: SearchHits.java:[line 150]
- EI** org.elasticsearch.search.SearchHits.getSortFields() may expose internal representation by returning SearchHits.sortFields
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.SearchHits
Method: org.elasticsearch.search.SearchHits.getSortFields()
Field: org.elasticsearch.search.SearchHits.sortFields
At: SearchHits.java:[line 166]
- EI** org.elasticsearch.search.SearchSortValues.getFormattedSortValues() may expose internal representation by returning SearchSortValues.formattedSortValues
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.SearchSortValues
Method: org.elasticsearch.search.SearchSortValues.getFormattedSortValues()
Field: org.elasticsearch.search.SearchSortValues.formattedSortValues
At: SearchSortValues.java:[line 109]
- EI** org.elasticsearch.search.SearchSortValues.getRawSortValues() may expose internal representation by returning SearchSortValues.rawSortValues
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.SearchSortValues
Method: org.elasticsearch.search.SearchSortValues.getRawSortValues()
Field: org.elasticsearch.search.SearchSortValues.rawSortValues
At: SearchSortValues.java:[line 116]
- EI** org.elasticsearch.search.SearchSortValuesAndFormats.getFormattedSortValues() may expose internal representation by returning SearchSortValuesAndFormats.formattedSortValues
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.SearchSortValuesAndFormats
Method: org.elasticsearch.search.SearchSortValuesAndFormats.getFormattedSortValues()
Field: org.elasticsearch.search.SearchSortValuesAndFormats.formattedSortValues
At: SearchSortValuesAndFormats.java:[line 83]
- EI** org.elasticsearch.search.SearchSortValuesAndFormats.getRawSortValues() may expose internal representation by returning SearchSortValuesAndFormats.rawSortValues

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.SearchSortValuesAndFormats

Method: org.elasticsearch.search.SearchSortValuesAndFormats.getRawSortValues()

Field: org.elasticsearch.search.SearchSortValuesAndFormats.rawSortValues

At: SearchSortValuesAndFormats.java:[line 79]

EI org.elasticsearch.search.SearchSortValuesAndFormats.getSortValueFormats() may expose internal representation by returning SearchSortValuesAndFormats.sortValueFormats

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.SearchSortValuesAndFormats

Method: org.elasticsearch.search.SearchSortValuesAndFormats.getSortValueFormats()

Field: org.elasticsearch.search.SearchSortValuesAndFormats.sortValueFormats

At: SearchSortValuesAndFormats.java:[line 87]

EI org.elasticsearch.search.aggregations.AggregatorBase.subAggregators() may expose internal representation by returning AggregatorBase.subAggregators

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.AggregatorBase

Method: org.elasticsearch.search.aggregations.AggregatorBase.subAggregators()

Field: org.elasticsearch.search.aggregations.AggregatorBase.subAggregators

At: AggregatorBase.java:[line 229]

EI org.elasticsearch.search.aggregations.PipelineAggregationBuilder.getBucketsPaths() may expose internal representation by returning PipelineAggregationBuilder.bucketsPaths

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.PipelineAggregationBuilder

Method: org.elasticsearch.search.aggregations.PipelineAggregationBuilder.getBucketsPaths()

Field: org.elasticsearch.search.aggregations.PipelineAggregationBuilder.bucketsPaths

At: PipelineAggregationBuilder.java:[line 77]

EI org.elasticsearch.search.aggregations.SearchContextAggregations.aggregators() may expose internal representation by returning SearchContextAggregations.aggregators

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.SearchContextAggregations

Method: org.elasticsearch.search.aggregations.SearchContextAggregations.aggregators()

Field: org.elasticsearch.search.aggregations.SearchContextAggregations.aggregators

At: SearchContextAggregations.java:[line 45]

EI org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregatorFactory.getWeights(SearchContext) may expose internal representation by returning FiltersAggregatorFactory.weights

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregatorFactory

Method: org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregatorFactory.getWeights(SearchContext)

Field: org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregatorFactory.weights

At: FiltersAggregatorFactory.java:[line 85]

EI org.elasticsearch.search.aggregations.metrics.PercentileRanksAggregationBuilder.values() may expose internal representation by returning PercentileRanksAggregationBuilder.values

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.metrics.PercentileRanksAggregationBuilder

Method: org.elasticsearch.search.aggregations.metrics.PercentileRanksAggregationBuilder.values()

Field: org.elasticsearch.search.aggregations.metrics.PercentileRanksAggregationBuilder.values

At: PercentileRanksAggregationBuilder.java:[line 94]

EI org.elasticsearch.search.aggregations.metrics.PercentilesAggregationBuilder.percentiles() may expose internal representation by returning PercentilesAggregationBuilder.values

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.metrics.PercentilesAggregationBuilder

Method: org.elasticsearch.search.aggregations.metrics.PercentilesAggregationBuilder.percentiles()

Field: org.elasticsearch.search.aggregations.metrics.PercentilesAggregationBuilder.values

At: PercentilesAggregationBuilder.java:[line 128]

EI org.elasticsearch.search.aggregations.pipeline.InternalBucketMetricValue.keys() may expose internal representation by returning InternalBucketMetricValue.keys

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.pipeline.InternalBucketMetricValue

Method: org.elasticsearch.search.aggregations.pipeline.InternalBucketMetricValue.keys()

Field: org.elasticsearch.search.aggregations.pipeline.InternalBucketMetricValue.keys

At: InternalBucketMetricValue.java:[line 79]

EI org.elasticsearch.search.aggregations.pipeline.PercentilesBucketPipelineAggregationBuilder.getPercents() may expose internal representation by returning PercentilesBucketPipelineAggregationBuilder.percents

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.pipeline.PercentilesBucketPipelineAggregationBuilder

Method: org.elasticsearch.search.aggregations.pipeline.PercentilesBucketPipelineAggregationBuilder.getPercents()

Field: org.elasticsearch.search.aggregations.pipeline.PercentilesBucketPipelineAggregationBuilder.percents

At: PercentilesBucketPipelineAggregationBuilder.java:[line 75]

EI org.elasticsearch.search.aggregations.pipeline.PipelineAggregator.bucketsPaths() may expose internal representation by returning PipelineAggregator.bucketsPaths

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.pipeline.PipelineAggregator

Method: org.elasticsearch.search.aggregations.pipeline.PipelineAggregator.bucketsPaths()

Field: org.elasticsearch.search.aggregations.pipeline.PipelineAggregator.bucketsPaths

At: PipelineAggregator.java:[line 178]

EI org.elasticsearch.search.dfs.DfsSearchResult.termStatistics() may expose internal representation by returning DfsSearchResult.termStatistics

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.dfs.DfsSearchResult

Method: org.elasticsearch.search.dfs.DfsSearchResult.termStatistics()

Field: org.elasticsearch.search.dfs.DfsSearchResult.termStatistics

At: DfsSearchResult.java:[line 100]

EI org.elasticsearch.search.dfs.DfsSearchResult.terms() may expose internal representation by returning DfsSearchResult.terms

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.dfs.DfsSearchResult

Method: org.elasticsearch.search.dfs.DfsSearchResult.terms()

Field: org.elasticsearch.search.dfs.DfsSearchResult.terms

At: DfsSearchResult.java:[line 96]

EI org.elasticsearch.search.fetch.ShardFetchRequest.docIds() may expose internal representation by returning ShardFetchRequest.docIds

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.ShardFetchRequest

Method: org.elasticsearch.search.fetch.ShardFetchRequest.docIds()

Field: org.elasticsearch.search.fetch.ShardFetchRequest.docIds

At: ShardFetchRequest.java:[line 104]

EI org.elasticsearch.search.fetch.subphase.FetchSourceContext.excludes() may expose internal representation by returning FetchSourceContext.excludes

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.FetchSourceContext

Method: org.elasticsearch.search.fetch.subphase.FetchSourceContext.excludes()

Field: org.elasticsearch.search.fetch.subphase.FetchSourceContext.excludes

At: FetchSourceContext.java:[line 89]

EI org.elasticsearch.search.fetch.subphase.FetchSourceContext.includes() may expose internal representation by returning FetchSourceContext.includes

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.FetchSourceContext

Method: org.elasticsearch.search.fetch.subphase.FetchSourceContext.includes()

Field: org.elasticsearch.search.fetch.subphase.FetchSourceContext.includes

At: FetchSourceContext.java:[line 85]

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

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder

Method: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.boundaryChars()

Field: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.boundaryChars

At: AbstractHighlighterBuilder.java:[line 435]

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

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder

Method: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.postTags()

Field: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.postTags

At: AbstractHighlighterBuilder.java:[line 243]

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

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder

Method: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.preTags()

Field: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.preTags

At: AbstractHighlighterBuilder.java:[line 227]

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

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.highlight.HighlightField

Method: org.elasticsearch.search.fetch.subphase.highlight.HighlightField.fragments()

Field: org.elasticsearch.search.fetch.subphase.highlight.HighlightField.fragments

At: HighlightField.java:[line 86]

EI org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions.boundaryChars() may expose internal representation by returning SearchHighlightContext\$FieldOptions.boundaryChars

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions

Method: org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions.boundaryChars()

Field: org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions.boundaryChars

At: SearchHighlightContext.java:[line 182]

EI org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions.postTags() may expose internal representation by returning SearchHighlightContext\$FieldOptions.postTags

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions

Method: org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions.postTags()

Field: org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions.postTags

At: SearchHighlightContext.java:[line 150]

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

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions

Method: org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions.preTags()

Field: org.elasticsearch.search.fetch.subphase.highlight.SearchHighlightContext\$FieldOptions.preTags

At: SearchHighlightContext.java:[line 146]

EI org.elasticsearch.search.internal.AliasFilter.getAliases() may expose internal representation by returning AliasFilter.aliases

[Bug type EI_EXPOSE_REP \(click for details\)](#)

Class: org.elasticsearch.search.internal.AliasFilter

Method: org.elasticsearch.search.internal.AliasFilter.getAliases()

Field: org.elasticsearch.search.internal.AliasFilter.aliases

At: AliasFilter.java:[line 77]

EI org.elasticsearch.search.internal.ShardSearchRequest.indexRoutings() may expose internal representation by returning ShardSearchRequest.indexRoutings

[Bug type EI_EXPOSE_REP \(click for details\)](#)

- Class:** org.elasticsearch.search.internal.ShardSearchRequest
Method: org.elasticsearch.search.internal.ShardSearchRequest.indexRoutings()
Field: org.elasticsearch.search.internal.ShardSearchRequest.indexRoutings
At: ShardSearchRequest.java:[line 365]
- EI** org.elasticsearch.search.internal.ShardSearchRequest.types() may expose internal representation by returning ShardSearchRequest.types
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.internal.ShardSearchRequest
Method: org.elasticsearch.search.internal.ShardSearchRequest.types()
Field: org.elasticsearch.search.internal.ShardSearchRequest.types
At: ShardSearchRequest.java:[line 317]
- EI** org.elasticsearch.search.internal.SubSearchContext.docIdsToLoad() may expose internal representation by returning SubSearchContext.docIdsToLoad
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.internal.SubSearchContext
Method: org.elasticsearch.search.internal.SubSearchContext.docIdsToLoad()
Field: org.elasticsearch.search.internal.SubSearchContext.docIdsToLoad
At: SubSearchContext.java:[line 311]
- EI** org.elasticsearch.search.lookup.DocLookup.getTypes() may expose internal representation by returning DocLookup.types
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.lookup.DocLookup
Method: org.elasticsearch.search.lookup.DocLookup.getTypes()
Field: org.elasticsearch.search.lookup.DocLookup.types
At: DocLookup.java:[line 55]
- EI** org.elasticsearch.search.query.QuerySearchResult.sortValueFormats() may expose internal representation by returning QuerySearchResult.sortValueFormats
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.search.query.QuerySearchResult
Method: org.elasticsearch.search.query.QuerySearchResult.sortValueFormats()
Field: org.elasticsearch.search.query.QuerySearchResult.sortValueFormats
At: QuerySearchResult.java:[line 192]
- EI** org.elasticsearch.xpack.sql.client.Bytes.bytes() may expose internal representation by returning Bytes.buf
[Bug type EI_EXPOSE_REP \(click for details\)](#)
Class: org.elasticsearch.xpack.sql.client.Bytes
Method: org.elasticsearch.xpack.sql.client.Bytes.bytes()
Field: org.elasticsearch.xpack.sql.client.Bytes.buf
At: Bytes.java:[line 22]
- EI2** new org.elasticsearch.action.OriginalIndices(String[], IndicesOptions) may expose internal representation by storing an externally mutable object into OriginalIndices.indices
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.OriginalIndices
Method: new org.elasticsearch.action.OriginalIndices(String[], IndicesOptions)
Field: org.elasticsearch.action.OriginalIndices.indices
Local variable named indices
At: OriginalIndices.java:[line 45]
- EI2** new org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest(String[], String[], String[], TimeValue) may expose internal representation by storing an externally mutable object into AddVotingConfigExclusionsRequest.nodeDescriptions
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest
Method: new org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest(String[], String[], String[], TimeValue)
Field: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.nodeDescriptions
Local variable named nodeDescriptions
At: AddVotingConfigExclusionsRequest.java:[line 88]
- EI2** new org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest(String[], String[], String[], TimeValue) may expose internal representation by storing an externally mutable object into AddVotingConfigExclusionsRequest.nodeIds
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest
Method: new org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest(String[], String[], String[], TimeValue)
Field: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.nodeIds
Local variable named nodeIds
At: AddVotingConfigExclusionsRequest.java:[line 89]
- EI2** new org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest(String[], String[], String[], TimeValue) may expose internal representation by storing an externally mutable object into AddVotingConfigExclusionsRequest.nodeNames
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest
Method: new org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest(String[], String[], String[], TimeValue)
Field: org.elasticsearch.action.admin.cluster.configuration.AddVotingConfigExclusionsRequest.nodeNames
Local variable named nodeNames
At: AddVotingConfigExclusionsRequest.java:[line 90]
- EI2** new org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest(String[]) may expose internal representation by storing an externally mutable object into GetRepositoriesRequest.repositories
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest
Method: new org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest(String[])
Field: org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest.repositories
Local variable named repositories
At: GetRepositoriesRequest.java:[line 51]
- EI2** org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest.repositories(String[]) may expose internal representation by storing an externally mutable object into GetRepositoriesRequest.repositories
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest
Method: org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest.repositories(String[])

- Field:** org.elasticsearch.action.admin.cluster.repositories.get.GetRepositoriesRequest.repositories
Local variable named repositories
At: GetRepositoriesRequest.java:[line 93]
- EI2** new org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup(ShardId, ShardRouting[]) may expose internal representation by storing an externally mutable object into ClusterSearchShardsGroup.shards
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup
Method: new org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup(ShardId, ShardRouting[])
Field: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsGroup.shards
Local variable named shards
At: ClusterSearchShardsGroup.java:[line 39]
- EI2** 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 type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse
Method: new org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse(ClusterSearchShardsGroup[], DiscoveryNode[], Map)
Field: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.groups
Local variable named groups
At: ClusterSearchShardsResponse.java:[line 56]
- EI2** 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 type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse
Method: new org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse(ClusterSearchShardsGroup[], DiscoveryNode[], Map)
Field: org.elasticsearch.action.admin.cluster.shards.ClusterSearchShardsResponse.nodes
Local variable named nodes
At: ClusterSearchShardsResponse.java:[line 57]
- EI2** new org.elasticsearch.action.admin.cluster.snapshots.clone.CloneSnapshotRequest(String, String, String, String[]) may expose internal representation by storing an externally mutable object into CloneSnapshotRequest.indices
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.clone.CloneSnapshotRequest
Method: new org.elasticsearch.action.admin.cluster.snapshots.clone.CloneSnapshotRequest(String, String, String, String[])
Field: org.elasticsearch.action.admin.cluster.snapshots.clone.CloneSnapshotRequest.indices
Local variable named indices
At: CloneSnapshotRequest.java:[line 70]
- EI2** 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 type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest
Method: new org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest(String, String[])
Field: org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest.snapshots
Local variable named snapshots
At: GetSnapshotsRequest.java:[line 60]
- EI2** org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest.snapshots(String[]) may expose internal representation by storing an externally mutable object into GetSnapshotsRequest.snapshots
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest.snapshots(String[])
Field: org.elasticsearch.action.admin.cluster.snapshots.get.GetSnapshotsRequest.snapshots
Local variable named snapshots
At: GetSnapshotsRequest.java:[line 133]
- EI2** 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 type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest
Method: new org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest(String, String[])
Field: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest.snapshots
Local variable named snapshots
At: SnapshotsStatusRequest.java:[line 54]
- EI2** org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest.snapshots(String[]) may expose internal representation by storing an externally mutable object into SnapshotsStatusRequest.snapshots
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest.snapshots(String[])
Field: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotsStatusRequest.snapshots
Local variable named snapshots
At: SnapshotsStatusRequest.java:[line 128]
- EI2** org.elasticsearch.action.admin.cluster.snapshots.status.TransportNodesSnapshotsStatusRequest.snapshots(Snapshot[]) may expose internal representation by storing an externally mutable object into TransportNodesSnapshotsStatusRequest.snapshots
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.status.TransportNodesSnapshotsStatusRequest
Method: org.elasticsearch.action.admin.cluster.snapshots.status.TransportNodesSnapshotsStatusRequest.snapshots(Snapshot[])
Field: org.elasticsearch.action.admin.cluster.snapshots.status.TransportNodesSnapshotsStatusRequest.snapshots
Local variable named snapshots
At: TransportNodesSnapshotsStatusRequest.java:[line 134]
- EI2** 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 type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.stats.ClusterStatsNodeResponse

- Method:** new org.elasticsearch.action.admin.cluster.stats.ClusterStatsNodeResponse(DiscoveryNode, ClusterHealthStatus, NodeInfo, NodeStats, ShardStats[])
Field: org.elasticsearch.action.admin.cluster.stats.ClusterStatsNodeResponse.shardsStats
 Local variable named shardsStats
At: ClusterStatsNodeResponse.java:[line 57]
- EI2** new org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$AnalyzeTokenList(String, AnalyzeAction\$AnalyzeToken[]) may expose internal representation by storing an externally mutable object into AnalyzeAction\$AnalyzeTokenList.tokens
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$AnalyzeTokenList
Method: new org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$AnalyzeTokenList(String, AnalyzeAction\$AnalyzeToken[])
Field: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$AnalyzeTokenList.tokens
 Local variable named tokens
At: AnalyzeAction.java:[line 709]
- EI2** new org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$CharFilteredText(String, String[]) may expose internal representation by storing an externally mutable object into AnalyzeAction\$CharFilteredText.texts
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$CharFilteredText
Method: new org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$CharFilteredText(String, String[])
Field: org.elasticsearch.action.admin.indices.analyze.AnalyzeAction\$CharFilteredText.texts
 Local variable named texts
At: AnalyzeAction.java:[line 784]
- EI2** new org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$ShardResult(int, CloseIndexResponse\$ShardResult\$Failure[]) may expose internal representation by storing an externally mutable object into CloseIndexResponse\$ShardResult.failures
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$ShardResult
Method: new org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$ShardResult(int, CloseIndexResponse\$ShardResult\$Failure[])
Field: org.elasticsearch.action.admin.indices.close.CloseIndexResponse\$ShardResult.failures
 Local variable named failures
At: CloseIndexResponse.java:[line 192]
- EI2** 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 type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest
Method: new org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest(String[], String[])
Field: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.indices
 Local variable named indices
At: TypesExistsRequest.java:[line 43]
- EI2** org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.types(String[]) may expose internal representation by storing an externally mutable object into TypesExistsRequest.types
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest
Method: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.types(String[])
Field: org.elasticsearch.action.admin.indices.exists.types.TypesExistsRequest.types
 Local variable named types
At: TypesExistsRequest.java:[line 78]
- EI2** new org.elasticsearch.action.admin.indices.get.GetIndexResponse(String[], ImmutableOpenMap, ImmutableOpenMap, ImmutableOpenMap, ImmutableOpenMap, ImmutableOpenMap) may expose internal representation by storing an externally mutable object into GetIndexResponse.indices
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.get.GetIndexResponse
Method: new org.elasticsearch.action.admin.indices.get.GetIndexResponse(String[], ImmutableOpenMap, ImmutableOpenMap, ImmutableOpenMap, ImmutableOpenMap, ImmutableOpenMap)
Field: org.elasticsearch.action.admin.indices.get.GetIndexResponse.indices
 Local variable named indices
At: GetIndexResponse.java:[line 70]
- EI2** new org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest(IndexMetadata\$APIBlock, String[]) may expose internal representation by storing an externally mutable object into AddIndexBlockRequest.indices
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest
Method: new org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest(IndexMetadata\$APIBlock, String[])
Field: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest.indices
 Local variable stored in JVM register ?
At: AddIndexBlockRequest.java:[line 57]
- EI2** org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest.indices(String[]) may expose internal representation by storing an externally mutable object into AddIndexBlockRequest.indices
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest
Method: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest.indices(String[])
Field: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockRequest.indices
 Local variable stored in JVM register ?
At: AddIndexBlockRequest.java:[line 87]
- EI2** new org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockShardResult(int, AddIndexBlockResponse\$AddBlockShardResult\$Failure[]) may expose internal representation by storing an externally mutable object into AddIndexBlockResponse\$AddBlockShardResult.failures
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockShardResult
Method: new org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockShardResult(int, AddIndexBlockResponse\$AddBlockShardResult\$Failure[])
Field: org.elasticsearch.action.admin.indices.readonly.AddIndexBlockResponse\$AddBlockShardResult.failures
 Local variable named failures
At: AddIndexBlockResponse.java:[line 182]

- EI2** new org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$request(String[]) may expose internal representation by storing an externally mutable object into ResolveIndexAction\$request.names
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$request
Method: new org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$request(String[])
Field: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$request.names
 Local variable named names
At: ResolveIndexAction.java:[line 86]
- EI2** new org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$request(String[], IndicesOptions) may expose internal representation by storing an externally mutable object into ResolveIndexAction\$request.names
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$request
Method: new org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$request(String[], IndicesOptions)
Field: org.elasticsearch.action.admin.indices.resolve.ResolveIndexAction\$request.names
 Local variable named names
At: ResolveIndexAction.java:[line 90]
- EI2** new org.elasticsearch.action.admin.indices.stats.IndexShardStats(ShardId, ShardStats[]) may expose internal representation by storing an externally mutable object into IndexShardStats.shards
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.stats.IndexShardStats
Method: new org.elasticsearch.action.admin.indices.stats.IndexShardStats(ShardId, ShardStats[])
Field: org.elasticsearch.action.admin.indices.stats.IndexShardStats.shards
 Local variable named shards
At: IndexShardStats.java:[line 44]
- EI2** 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 type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.stats.IndexStats
Method: new org.elasticsearch.action.admin.indices.stats.IndexStats(String, String, ShardStats[])
Field: org.elasticsearch.action.admin.indices.stats.IndexStats.shards
 Local variable named shards
At: IndexStats.java:[line 39]
- EI2** new org.elasticsearch.action.bulk.BulkResponse(BulkItemResponse[], long, long) may expose internal representation by storing an externally mutable object into BulkResponse.responses
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.bulk.BulkResponse
Method: new org.elasticsearch.action.bulk.BulkResponse(BulkItemResponse[], long, long)
Field: org.elasticsearch.action.bulk.BulkResponse.responses
 Local variable named responses
At: BulkResponse.java:[line 71]
- EI2** new org.elasticsearch.action.bulk.BulkShardRequest(ShardId, WriteRequest\$RefreshPolicy, BulkItemRequest[]) may expose internal representation by storing an externally mutable object into BulkShardRequest.items
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.bulk.BulkShardRequest
Method: new org.elasticsearch.action.bulk.BulkShardRequest(ShardId, WriteRequest\$RefreshPolicy, BulkItemRequest[])
Field: org.elasticsearch.action.bulk.BulkShardRequest.items
 Local variable named items
At: BulkShardRequest.java:[line 51]
- EI2** new org.elasticsearch.action.bulk.BulkShardResponse(ShardId, BulkItemResponse[]) may expose internal representation by storing an externally mutable object into BulkShardResponse.responses
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.bulk.BulkShardResponse
Method: new org.elasticsearch.action.bulk.BulkShardResponse(ShardId, BulkItemResponse[])
Field: org.elasticsearch.action.bulk.BulkShardResponse.responses
 Local variable named responses
At: BulkShardResponse.java:[line 49]
- EI2** org.elasticsearch.action.explain.ExplainRequest.storedFields(String[]) may expose internal representation by storing an externally mutable object into ExplainRequest.storedFields
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.explain.ExplainRequest
Method: org.elasticsearch.action.explain.ExplainRequest.storedFields(String[])
Field: org.elasticsearch.action.explain.ExplainRequest.storedFields
 Local variable named fields
At: ExplainRequest.java:[line 169]
- EI2** new org.elasticsearch.action.fieldcaps.FieldCapabilities(String, String, boolean, boolean, String[], String[], String[], Map) may expose internal representation by storing an externally mutable object into FieldCapabilities.indices
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilities
Method: new org.elasticsearch.action.fieldcaps.FieldCapabilities(String, String, boolean, boolean, String[], String[], String[], Map)
Field: org.elasticsearch.action.fieldcaps.FieldCapabilities.indices
 Local variable named indices
At: FieldCapabilities.java:[line 95]
- EI2** new org.elasticsearch.action.fieldcaps.FieldCapabilities(String, String, boolean, boolean, String[], String[], String[], Map) may expose internal representation by storing an externally mutable object into FieldCapabilities.nonAggregatableIndices
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilities
Method: new org.elasticsearch.action.fieldcaps.FieldCapabilities(String, String, boolean, boolean, String[], String[], String[], Map)
Field: org.elasticsearch.action.fieldcaps.FieldCapabilities.nonAggregatableIndices

- Local variable named nonAggregatableIndices
At: FieldCapabilities.java:[line 97]
- EI2** new org.elasticsearch.action.fieldcaps.FieldCapabilities(String, String, boolean, boolean, String[], String[], String[], Map) may expose internal representation by storing an externally mutable object into FieldCapabilities.nonSearchableIndices
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.fieldcaps.FieldCapabilities
Method: new org.elasticsearch.action.fieldcaps.FieldCapabilities(String, String, boolean, boolean, String[], String[], String[], Map)
Field: org.elasticsearch.action.fieldcaps.FieldCapabilities.nonSearchableIndices
 Local variable named nonSearchableIndices
At: FieldCapabilities.java:[line 96]
- EI2** new org.elasticsearch.action.get.MultiGetResponse(MultiGetItemResponse[]) may expose internal representation by storing an externally mutable object into MultiGetResponse.responses
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.get.MultiGetResponse
Method: new org.elasticsearch.action.get.MultiGetResponse(MultiGetItemResponse[])
Field: org.elasticsearch.action.get.MultiGetResponse.responses
 Local variable named responses
At: MultiGetResponse.java:[line 127]
- EI2** 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 type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.resync.ResyncReplicationRequest
Method: new org.elasticsearch.action.resync.ResyncReplicationRequest(ShardId, long, long, Translog\$Operation[])
Field: org.elasticsearch.action.resync.ResyncReplicationRequest.operations
 Local variable named operations
At: ResyncReplicationRequest.java:[line 72]
- EI2** new org.elasticsearch.action.search.MultiSearchResponse(MultiSearchResponse\$Item[], long) may expose internal representation by storing an externally mutable object into MultiSearchResponse.items
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.search.MultiSearchResponse
Method: new org.elasticsearch.action.search.MultiSearchResponse(MultiSearchResponse\$Item[], long)
Field: org.elasticsearch.action.search.MultiSearchResponse.items
 Local variable named items
At: MultiSearchResponse.java:[line 138]
- EI2** new org.elasticsearch.action.search.SearchPhaseExecutionException(String, String, Throwable, ShardSearchFailure[]) may expose internal representation by storing an externally mutable object into SearchPhaseExecutionException.shardFailures
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.search.SearchPhaseExecutionException
Method: new org.elasticsearch.action.search.SearchPhaseExecutionException(String, String, Throwable, ShardSearchFailure[])
Field: org.elasticsearch.action.search.SearchPhaseExecutionException.shardFailures
 Local variable named shardFailures
At: SearchPhaseExecutionException.java:[line 47]
- EI2** new org.elasticsearch.action.search.SearchResponse(SearchResponseSections, String, int, int, int, long, ShardSearchFailure[], SearchResponse\$Clusters, String) may expose internal representation by storing an externally mutable object into SearchResponse.shardFailures
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.search.SearchResponse
Method: new org.elasticsearch.action.search.SearchResponse(SearchResponseSections, String, int, int, int, long, ShardSearchFailure[], SearchResponse\$Clusters, String)
Field: org.elasticsearch.action.search.SearchResponse.shardFailures
 Local variable named shardFailures
At: SearchResponse.java:[line 126]
- EI2** org.elasticsearch.action.support.nodes.BaseNodesRequest.setConcreteNodes(DiscoveryNode[]) may expose internal representation by storing an externally mutable object into BaseNodesRequest.concreteNodes
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.support.nodes.BaseNodesRequest
Method: org.elasticsearch.action.support.nodes.BaseNodesRequest.setConcreteNodes(DiscoveryNode[])
Field: org.elasticsearch.action.support.nodes.BaseNodesRequest.concreteNodes
 Local variable named concreteNodes
At: BaseNodesRequest.java:[line 100]
- EI2** new org.elasticsearch.action.termvectors.MultiTermVectorsResponse(MultiTermVectorsItemResponse[]) may expose internal representation by storing an externally mutable object into MultiTermVectorsResponse.responses
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.action.termvectors.MultiTermVectorsResponse
Method: new org.elasticsearch.action.termvectors.MultiTermVectorsResponse(MultiTermVectorsItemResponse[])
Field: org.elasticsearch.action.termvectors.MultiTermVectorsResponse.responses
 Local variable named responses
At: MultiTermVectorsResponse.java:[line 102]
- EI2** org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest.indices(Index[]) may expose internal representation by storing an externally mutable object into IndicesClusterStateUpdateRequest.indices
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest
Method: org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest.indices(Index[])
Field: org.elasticsearch.cluster.ack.IndicesClusterStateUpdateRequest.indices
 Local variable named indices
At: IndicesClusterStateUpdateRequest.java:[line 42]
- EI2** new org.elasticsearch.common.bytes.BytesArray(byte[], int, int) may expose internal representation by storing an externally mutable object into BytesArray.bytes
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.bytes.BytesArray
Method: new org.elasticsearch.common.bytes.BytesArray(byte[], int, int)

- Field:** org.elasticsearch.common.bytes.ByteArray.bytes
Local variable named bytes
At: ByteArray.java:[line 58]
- EI2** new org.elasticsearch.common.bytes.RecyclingBytesStreamOutput(byte[], BigArrays) may expose internal representation by storing an externally mutable object into RecyclingBytesStreamOutput.buffer
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.bytes.RecyclingBytesStreamOutput
Method: new org.elasticsearch.common.bytes.RecyclingBytesStreamOutput(byte[], BigArrays)
Field: org.elasticsearch.common.bytes.RecyclingBytesStreamOutput.buffer
Local variable stored in JVM register ?
At: RecyclingBytesStreamOutput.java:[line 51]
- EI2** new org.elasticsearch.common.lucene.search.MoreLikeThisQuery(String, String[], Analyzer) may expose internal representation by storing an externally mutable object into MoreLikeThisQuery.moreLikeFields
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.MoreLikeThisQuery
Method: new org.elasticsearch.common.lucene.search.MoreLikeThisQuery(String, String[], Analyzer)
Field: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.moreLikeFields
Local variable named moreLikeFields
At: MoreLikeThisQuery.java:[line 78]
- EI2** org.elasticsearch.common.lucene.search.MoreLikeThisQuery.setMoreLikeFields(String[]) may expose internal representation by storing an externally mutable object into MoreLikeThisQuery.moreLikeFields
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.MoreLikeThisQuery
Method: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.setMoreLikeFields(String[])
Field: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.moreLikeFields
Local variable named moreLikeFields
At: MoreLikeThisQuery.java:[line 256]
- EI2** org.elasticsearch.common.lucene.search.MoreLikeThisQuery.setUnlikeText(String[]) may expose internal representation by storing an externally mutable object into MoreLikeThisQuery.unlikeText
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.MoreLikeThisQuery
Method: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.setUnlikeText(String[])
Field: org.elasticsearch.common.lucene.search.MoreLikeThisQuery.unlikeText
Local variable named unlikeText
At: MoreLikeThisQuery.java:[line 248]
- EI2** org.elasticsearch.common.lucene.search.XMoreLikeThis.setFieldNames(String[]) may expose internal representation by storing an externally mutable object into XMoreLikeThis.fieldNames
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.XMoreLikeThis
Method: org.elasticsearch.common.lucene.search.XMoreLikeThis.setFieldNames(String[])
Field: org.elasticsearch.common.lucene.search.XMoreLikeThis.fieldNames
Local variable named fieldNames
At: XMoreLikeThis.java:[line 503]
- EI2** new org.elasticsearch.common.lucene.search.function.FunctionScoreQuery(Query, FunctionScoreQuery\$ScoreMode, ScoreFunction[], CombineFunction, Float, float) may expose internal representation by storing an externally mutable object into FunctionScoreQuery.functions
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.function.FunctionScoreQuery
Method: new org.elasticsearch.common.lucene.search.function.FunctionScoreQuery(Query, FunctionScoreQuery\$ScoreMode, ScoreFunction[], CombineFunction, Float, float)
Field: org.elasticsearch.common.lucene.search.function.FunctionScoreQuery.functions
Local variable named functions
At: FunctionScoreQuery.java:[line 178]
- EI2** 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 type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.lucene.store.ByteArrayIndexInput
Method: new org.elasticsearch.common.lucene.store.ByteArrayIndexInput(String, byte[], int, int)
Field: org.elasticsearch.common.lucene.store.ByteArrayIndexInput.bytes
Local variable named bytes
At: ByteArrayIndexInput.java:[line 44]
- EI2** new org.elasticsearch.common.settings.SecureString(char[]) may expose internal representation by storing an externally mutable object into SecureString.chars
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.settings.SecureString
Method: new org.elasticsearch.common.settings.SecureString(char[])
Field: org.elasticsearch.common.settings.SecureString.chars
Local variable stored in JVM register ?
At: SecureString.java:[line 39]
- EI2** new org.elasticsearch.common.transport.BoundTransportAddress(TransportAddress[], TransportAddress) may expose internal representation by storing an externally mutable object into BoundTransportAddress.boundAddresses
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.transport.BoundTransportAddress
Method: new org.elasticsearch.common.transport.BoundTransportAddress(TransportAddress[], TransportAddress)
Field: org.elasticsearch.common.transport.BoundTransportAddress.boundAddresses
Local variable named boundAddresses
At: BoundTransportAddress.java:[line 53]
- EI2** new org.elasticsearch.common.xcontent.support.filtering.FilterPathBasedFilter(FilterPath[], boolean) may expose internal representation by storing an externally mutable object into FilterPathBasedFilter.filters
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.common.xcontent.support.filtering.FilterPathBasedFilter

- Method:** new org.elasticsearch.common.xcontent.support.filtering.FilterPathBasedFilter(FilterPath[], boolean)
Field: org.elasticsearch.common.xcontent.support.filtering.FilterPathBasedFilter.filters
 Local variable named filters
At: FilterPathBasedFilter.java:[line 53]
- EI2** new org.elasticsearch.gateway.PersistedClusterStateService(Path[], String, NamedXContentRegistry, BigArrays, ClusterSettings, LongSupplier) may expose internal representation by storing an externally mutable object into PersistedClusterStateService.dataPaths
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.gateway.PersistedClusterStateService
Method: new org.elasticsearch.gateway.PersistedClusterStateService(Path[], String, NamedXContentRegistry, BigArrays, ClusterSettings, LongSupplier)
Field: org.elasticsearch.gateway.PersistedClusterStateService.dataPaths
 Local variable named dataPaths
At: PersistedClusterStateService.java:[line 156]
- EI2** new org.elasticsearch.geometry.Line(double[], double[], double[]) may expose internal representation by storing an externally mutable object into Line.x
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.geometry.Line
Method: new org.elasticsearch.geometry.Line(double[], double[], double[])
Field: org.elasticsearch.geometry.Line.x
 Local variable named x
At: Line.java:[line 47]
- EI2** new org.elasticsearch.geometry.Line(double[], double[], double[]) may expose internal representation by storing an externally mutable object into Line.y
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.geometry.Line
Method: new org.elasticsearch.geometry.Line(double[], double[], double[])
Field: org.elasticsearch.geometry.Line.y
 Local variable named y
At: Line.java:[line 46]
- EI2** new org.elasticsearch.geometry.Line(double[], double[], double[]) may expose internal representation by storing an externally mutable object into Line.z
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.geometry.Line
Method: new org.elasticsearch.geometry.Line(double[], double[], double[])
Field: org.elasticsearch.geometry.Line.z
 Local variable named z
At: Line.java:[line 48]
- EI2** new org.elasticsearch.index.mapper.Mapping(Versions, RootObjectMapper, MetadataFieldMapper[], Map) may expose internal representation by storing an externally mutable object into Mapping.metadataMappers
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.index.mapper.Mapping
Method: new org.elasticsearch.index.mapper.Mapping(Versions, RootObjectMapper, MetadataFieldMapper[], Map)
Field: org.elasticsearch.index.mapper.Mapping.metadataMappers
 Local variable named metadataMappers
At: Mapping.java:[line 57]
- EI2** new org.elasticsearch.index.query.MoreLikeThisQueryBuilder(String[], String[], MoreLikeThisQueryBuilder\$Item[]) may expose internal representation by storing an externally mutable object into MoreLikeThisQueryBuilder.fields
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.index.query.MoreLikeThisQueryBuilder
Method: new org.elasticsearch.index.query.MoreLikeThisQueryBuilder(String[], String[], MoreLikeThisQueryBuilder\$Item[])
Field: org.elasticsearch.index.query.MoreLikeThisQueryBuilder.fields
 Local variable named fields
At: MoreLikeThisQueryBuilder.java:[line 551]
- EI2** new org.elasticsearch.index.query.WrapperQueryBuilder(byte[]) may expose internal representation by storing an externally mutable object into WrapperQueryBuilder.source
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.index.query.WrapperQueryBuilder
Method: new org.elasticsearch.index.query.WrapperQueryBuilder(byte[])
Field: org.elasticsearch.index.query.WrapperQueryBuilder.source
 Local variable named source
At: WrapperQueryBuilder.java:[line 67]
- EI2** new org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder(QueryBuilder, FunctionScoreQueryBuilder\$FilterFunctionBuilder[]) may expose internal representation by storing an externally mutable object into FunctionScoreQueryBuilder.filterFunctionBuilders
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder
Method: new org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder(QueryBuilder, FunctionScoreQueryBuilder\$FilterFunctionBuilder[])
Field: org.elasticsearch.index.query.functionscore.FunctionScoreQueryBuilder.filterFunctionBuilders
 Local variable named filterFunctionBuilders
At: FunctionScoreQueryBuilder.java:[line 142]
- EI2** new org.elasticsearch.indices.breaker.AllCircuitBreakerStats(CircuitBreakerStats[]) may expose internal representation by storing an externally mutable object into AllCircuitBreakerStats.allStats
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.indices.breaker.AllCircuitBreakerStats
Method: new org.elasticsearch.indices.breaker.AllCircuitBreakerStats(CircuitBreakerStats[])
Field: org.elasticsearch.indices.breaker.AllCircuitBreakerStats.allStats
 Local variable named allStats
At: AllCircuitBreakerStats.java:[line 38]
- EI2** new org.elasticsearch.monitor.fs.FsInfo(long, FsInfo\$IoStats, FsInfo\$Path[]) may expose internal representation by storing an externally mutable object into FsInfo.paths
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.monitor.fs.FsInfo
Method: new org.elasticsearch.monitor.fs.FsInfo(long, FsInfo\$IoStats, FsInfo\$Path[])
Field: org.elasticsearch.monitor.fs.FsInfo.paths

- Local variable named paths
At: FsInfo.java:[line 429]
- EI2** new org.elasticsearch.monitor.fs.FsInfo\$IoStats(FsInfo\$DeviceStats[]) may expose internal representation by storing an externally mutable object into FsInfo\$IoStats.devicesStats
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.monitor.fs.FsInfo\$IoStats
Method: new org.elasticsearch.monitor.fs.FsInfo\$IoStats(FsInfo\$DeviceStats[])
Field: org.elasticsearch.monitor.fs.FsInfo\$IoStats.devicesStats
 Local variable named devicesStats
At: FsInfo.java:[line 326]
- EI2** new org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock(ThreadInfo[]) may expose internal representation by storing an externally mutable object into DeadlockAnalyzer\$Deadlock.members
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock
Method: new org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock(ThreadInfo[])
Field: org.elasticsearch.monitor.jvm.DeadlockAnalyzer\$Deadlock.members
 Local variable named members
At: DeadlockAnalyzer.java:[line 133]
- EI2** new org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors(JvmStats\$GarbageCollector[]) may expose internal representation by storing an externally mutable object into JvmStats\$GarbageCollectors.collectors
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors
Method: new org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors(JvmStats\$GarbageCollector[])
Field: org.elasticsearch.monitor.jvm.JvmStats\$GarbageCollectors.collectors
 Local variable named collectors
At: JvmStats.java:[line 315]
- EI2** new org.elasticsearch.monitor.os.OsStats\$Cpu(short, double[]) may expose internal representation by storing an externally mutable object into OsStats\$Cpu.loadAverage
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.monitor.os.OsStats\$Cpu
Method: new org.elasticsearch.monitor.os.OsStats\$Cpu(short, double[])
Field: org.elasticsearch.monitor.os.OsStats\$Cpu.loadAverage
 Local variable named systemLoadAverage
At: OsStats.java:[line 131]
- EI2** org.elasticsearch.search.SearchHit.matchedQueries(String[]) may expose internal representation by storing an externally mutable object into SearchHit.matchedQueries
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.SearchHit
Method: org.elasticsearch.search.SearchHit.matchedQueries(String[])
Field: org.elasticsearch.search.SearchHit.matchedQueries
 Local variable named matchedQueries
At: SearchHit.java:[line 560]
- EI2** new org.elasticsearch.search.SearchHits(SearchHit[], TotalHits, float, SortField[], String, Object[]) may expose internal representation by storing an externally mutable object into SearchHits.collapseValues
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.SearchHits
Method: new org.elasticsearch.search.SearchHits(SearchHit[], TotalHits, float, SortField[], String, Object[])
Field: org.elasticsearch.search.SearchHits.collapseValues
 Local variable named collapseValues
At: SearchHits.java:[line 78]
- EI2** new org.elasticsearch.search.SearchHits(SearchHit[], TotalHits, float, SortField[], String, Object[]) may expose internal representation by storing an externally mutable object into SearchHits.hits
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.SearchHits
Method: new org.elasticsearch.search.SearchHits(SearchHit[], TotalHits, float, SortField[], String, Object[])
Field: org.elasticsearch.search.SearchHits.hits
 Local variable named hits
At: SearchHits.java:[line 73]
- EI2** new org.elasticsearch.search.SearchHits(SearchHit[], TotalHits, float, SortField[], String, Object[]) may expose internal representation by storing an externally mutable object into SearchHits.sortFields
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.SearchHits
Method: new org.elasticsearch.search.SearchHits(SearchHit[], TotalHits, float, SortField[], String, Object[])
Field: org.elasticsearch.search.SearchHits.sortFields
 Local variable named sortFields
At: SearchHits.java:[line 76]
- EI2** new org.elasticsearch.search.SearchSortValues(Object[], DocValueFormat[]) may expose internal representation by storing an externally mutable object into SearchSortValues.rawSortValues
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.SearchSortValues
Method: new org.elasticsearch.search.SearchSortValues(Object[], DocValueFormat[])
Field: org.elasticsearch.search.SearchSortValues.rawSortValues
 Local variable named rawSortValues
At: SearchSortValues.java:[line 57]
- EI2** new org.elasticsearch.search.SearchSortValuesAndFormats(Object[], DocValueFormat[]) may expose internal representation by storing an externally mutable object into SearchSortValuesAndFormats.rawSortValues
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.SearchSortValuesAndFormats
Method: new org.elasticsearch.search.SearchSortValuesAndFormats(Object[], DocValueFormat[])

- Field:** org.elasticsearch.search.SearchSortValuesAndFormats.rawSortValues
Local variable named rawSortValues
At: SearchSortValuesAndFormats.java:[line 38]
- EI2** new org.elasticsearch.search.SearchSortValuesAndFormats(Object[], DocValueFormat[]) may expose internal representation by storing an externally mutable object into SearchSortValuesAndFormats.sortValueFormats
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.SearchSortValuesAndFormats
Method: new org.elasticsearch.search.SearchSortValuesAndFormats(Object[], DocValueFormat[])
Field: org.elasticsearch.search.SearchSortValuesAndFormats.sortValueFormats
Local variable named sortValueFormats
At: SearchSortValuesAndFormats.java:[line 39]
- EI2** org.elasticsearch.search.aggregations.SearchContextAggregations.aggregators(Aggregator[]) may expose internal representation by storing an externally mutable object into SearchContextAggregations.aggregators
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.SearchContextAggregations
Method: org.elasticsearch.search.aggregations.SearchContextAggregations.aggregators(Aggregator[])
Field: org.elasticsearch.search.aggregations.SearchContextAggregations.aggregators
Local variable named aggregators
At: SearchContextAggregations.java:[line 54]
- EI2** new org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator(String, AggregatorFactories, String, String[], Weight[], SearchContext, Aggregator, Map) may expose internal representation by storing an externally mutable object into AdjacencyMatrixAggregator.filters
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator
Method: new org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator(String, AggregatorFactories, String, String[], Weight[], SearchContext, Aggregator, Map)
Field: org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator.filters
Local variable named filters
At: AdjacencyMatrixAggregator.java:[line 137]
- EI2** new org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator(String, AggregatorFactories, String, String[], Weight[], SearchContext, Aggregator, Map) may expose internal representation by storing an externally mutable object into AdjacencyMatrixAggregator.keys
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator
Method: new org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator(String, AggregatorFactories, String, String[], Weight[], SearchContext, Aggregator, Map)
Field: org.elasticsearch.search.aggregations.bucket.adjacency.AdjacencyMatrixAggregator.keys
Local variable named keys
At: AdjacencyMatrixAggregator.java:[line 136]
- EI2** new org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregator(String, AggregatorFactories, String[], Supplier, boolean, String, SearchContext, Aggregator, CardinalityUpperBound, Map) may expose internal representation by storing an externally mutable object into FiltersAggregator.keys
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregator
Method: new org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregator(String, AggregatorFactories, String[], Supplier, boolean, String, SearchContext, Aggregator, CardinalityUpperBound, Map)
Field: org.elasticsearch.search.aggregations.bucket.filter.FiltersAggregator.keys
Local variable named keys
At: FiltersAggregator.java:[line 130]
- EI2** new org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregationBuilder\$RoundingInfo(Rounding\$DateTimeUnit, Zoneld, long, String, int[]) may expose internal representation by storing an externally mutable object into AutoDateHistogramAggregationBuilder\$RoundingInfo.innerIntervals
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregationBuilder\$RoundingInfo
Method: new org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregationBuilder\$RoundingInfo(Rounding\$DateTimeUnit, Zoneld, long, String, int[])
Field: org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregationBuilder\$RoundingInfo.innerIntervals
Local variable named innerIntervals
At: AutoDateHistogramAggregationBuilder.java:[line 264]
- EI2** new org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregatorFactory(String, ValuesSourceConfig, int, AutoDateHistogramAggregationBuilder\$RoundingInfo[], QueryShardContext, AggregatorFactory, AggregatorFactories\$Builder, Map) may expose internal representation by storing an externally mutable object into AutoDateHistogramAggregatorFactory.roundingInfos
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregatorFactory
Method: new org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregatorFactory(String, ValuesSourceConfig, int, AutoDateHistogramAggregationBuilder\$RoundingInfo[], QueryShardContext, AggregatorFactory, AggregatorFactories\$Builder, Map)
Field: org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregatorFactory.roundingInfos
Local variable named roundingInfos
At: AutoDateHistogramAggregatorFactory.java:[line 63]
- EI2** new org.elasticsearch.search.aggregations.bucket.range.AbstractRangeAggregatorFactory(String, ValuesSourceRegistry\$RegistryKey, ValuesSourceConfig, RangeAggregator\$Range[], boolean, InternalRange\$Factory, QueryShardContext, AggregatorFactory, AggregatorFactories\$Builder, Map) may expose internal representation by storing an externally mutable object into AbstractRangeAggregatorFactory.ranges
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.bucket.range.AbstractRangeAggregatorFactory
Method: new org.elasticsearch.search.aggregations.bucket.range.AbstractRangeAggregatorFactory(String, ValuesSourceRegistry\$RegistryKey, ValuesSourceConfig, RangeAggregator\$Range[], boolean, InternalRange\$Factory, QueryShardContext, AggregatorFactory, AggregatorFactories\$Builder, Map)
Field: org.elasticsearch.search.aggregations.bucket.range.AbstractRangeAggregatorFactory.ranges
Local variable named ranges
At: AbstractRangeAggregatorFactory.java:[line 68]
- EI2** new org.elasticsearch.search.aggregations.bucket.range.GeoDistanceRangeAggregatorFactory(String, ValuesSourceConfig, GeoPoint, GeoDistanceAggregationBuilder\$Range[], DistanceUnit, GeoDistance, boolean, QueryShardContext, AggregatorFactory, AggregatorFactories\$Builder, Map) may expose internal representation by storing an externally mutable object into GeoDistanceRangeAggregatorFactory.ranges
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)

- Class:** org.elasticsearch.search.aggregations.bucket.range.GeoDistanceRangeAggregatorFactory
Method: new org.elasticsearch.search.aggregations.bucket.range.GeoDistanceRangeAggregatorFactory(String, ValuesSourceConfig, GeoPoint, GeoDistanceAggregationBuilder\$Range[], DistanceUnit, GeoDistance, boolean, QueryShardContext, AggregatorFactory, AggregatorFactories\$Builder, Map)
Field: org.elasticsearch.search.aggregations.bucket.range.GeoDistanceRangeAggregatorFactory.ranges
 Local variable named ranges
At: GeoDistanceRangeAggregatorFactory.java:[line 100]
- EI2** new org.elasticsearch.search.aggregations.bucket.range.RangeAggregator(String, AggregatorFactories, ValuesSource\$Numeric, DocValueFormat, InternalRange\$Factory, RangeAggregator\$Range[], boolean, SearchContext, Aggregator, CardinalityUpperBound, Map) may expose internal representation by storing an externally mutable object into RangeAggregator.ranges
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.bucket.range.RangeAggregator
Method: new org.elasticsearch.search.aggregations.bucket.range.RangeAggregator(String, AggregatorFactories, ValuesSource\$Numeric, DocValueFormat, InternalRange\$Factory, RangeAggregator\$Range[], boolean, SearchContext, Aggregator, CardinalityUpperBound, Map)
Field: org.elasticsearch.search.aggregations.bucket.range.RangeAggregator.ranges
 Local variable named ranges
At: RangeAggregator.java:[line 237]
- EI2** new org.elasticsearch.search.aggregations.bucket.range.RangeAggregator\$Unmapped(String, AggregatorFactories, RangeAggregator\$Range[], boolean, DocValueFormat, SearchContext, Aggregator, InternalRange\$Factory, Map) may expose internal representation by storing an externally mutable object into RangeAggregator\$Unmapped.ranges
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.bucket.range.RangeAggregator\$Unmapped
Method: new org.elasticsearch.search.aggregations.bucket.range.RangeAggregator\$Unmapped(String, AggregatorFactories, RangeAggregator\$Range[], boolean, DocValueFormat, SearchContext, Aggregator, InternalRange\$Factory, Map)
Field: org.elasticsearch.search.aggregations.bucket.range.RangeAggregator\$Unmapped.ranges
 Local variable named ranges
At: RangeAggregator.java:[line 369]
- EI2** new org.elasticsearch.search.aggregations.metrics.InternalHDRPercentileRanks\$Iter(double[], DoubleHistogram) may expose internal representation by storing an externally mutable object into InternalHDRPercentileRanks\$Iter.values
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.metrics.InternalHDRPercentileRanks\$Iter
Method: new org.elasticsearch.search.aggregations.metrics.InternalHDRPercentileRanks\$Iter(double[], DoubleHistogram)
Field: org.elasticsearch.search.aggregations.metrics.InternalHDRPercentileRanks\$Iter.values
 Local variable named values
At: InternalHDRPercentileRanks.java:[line 95]
- EI2** new org.elasticsearch.search.aggregations.metrics.InternalHDRPercentiles\$Iter(double[], DoubleHistogram) may expose internal representation by storing an externally mutable object into InternalHDRPercentiles\$Iter.percents
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.metrics.InternalHDRPercentiles\$Iter
Method: new org.elasticsearch.search.aggregations.metrics.InternalHDRPercentiles\$Iter(double[], DoubleHistogram)
Field: org.elasticsearch.search.aggregations.metrics.InternalHDRPercentiles\$Iter.percents
 Local variable named percents
At: InternalHDRPercentiles.java:[line 85]
- EI2** new org.elasticsearch.search.aggregations.metrics.InternalTDigestPercentileRanks\$Iter(double[], TDigestState) may expose internal representation by storing an externally mutable object into InternalTDigestPercentileRanks\$Iter.values
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.metrics.InternalTDigestPercentileRanks\$Iter
Method: new org.elasticsearch.search.aggregations.metrics.InternalTDigestPercentileRanks\$Iter(double[], TDigestState)
Field: org.elasticsearch.search.aggregations.metrics.InternalTDigestPercentileRanks\$Iter.values
 Local variable named values
At: InternalTDigestPercentileRanks.java:[line 92]
- EI2** new org.elasticsearch.search.aggregations.metrics.InternalTDigestPercentiles\$Iter(double[], TDigestState) may expose internal representation by storing an externally mutable object into InternalTDigestPercentiles\$Iter.percents
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.metrics.InternalTDigestPercentiles\$Iter
Method: new org.elasticsearch.search.aggregations.metrics.InternalTDigestPercentiles\$Iter(double[], TDigestState)
Field: org.elasticsearch.search.aggregations.metrics.InternalTDigestPercentiles\$Iter.percents
 Local variable named percents
At: InternalTDigestPercentiles.java:[line 81]
- EI2** new org.elasticsearch.search.aggregations.pipeline.InternalBucketMetricValue(String, String[], double, DocValueFormat, Map) may expose internal representation by storing an externally mutable object into InternalBucketMetricValue.keys
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.pipeline.InternalBucketMetricValue
Method: new org.elasticsearch.search.aggregations.pipeline.InternalBucketMetricValue(String, String[], double, DocValueFormat, Map)
Field: org.elasticsearch.search.aggregations.pipeline.InternalBucketMetricValue.keys
 Local variable named keys
At: InternalBucketMetricValue.java:[line 45]
- EI2** new org.elasticsearch.search.aggregations.pipeline.InternalPercentilesBucket\$Iter(double[], double[]) may expose internal representation by storing an externally mutable object into InternalPercentilesBucket\$Iter.percents
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.pipeline.InternalPercentilesBucket\$Iter
Method: new org.elasticsearch.search.aggregations.pipeline.InternalPercentilesBucket\$Iter(double[], double[])
Field: org.elasticsearch.search.aggregations.pipeline.InternalPercentilesBucket\$Iter.percents
 Local variable named percents
At: InternalPercentilesBucket.java:[line 187]
- EI2** new org.elasticsearch.search.aggregations.pipeline.InternalPercentilesBucket\$Iter(double[], double[]) may expose internal representation by storing an externally mutable object into InternalPercentilesBucket\$Iter.percents
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.pipeline.InternalPercentilesBucket\$Iter
Method: new org.elasticsearch.search.aggregations.pipeline.InternalPercentilesBucket\$Iter(double[], double[])

- Field:** org.elasticsearch.search.aggregations.pipeline.InternalPercentilesBucket\$Iter.percents
Local variable named percents
At: InternalPercentilesBucket.java:[line 186]
- EI2** org.elasticsearch.search.aggregations.pipeline.PercentilesBucketPipelineAggregationBuilder.setPercents(double[]) may expose internal representation by storing an externally mutable object into PercentilesBucketPipelineAggregationBuilder.percents
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.pipeline.PercentilesBucketPipelineAggregationBuilder
Method: org.elasticsearch.search.aggregations.pipeline.PercentilesBucketPipelineAggregationBuilder.setPercents(double[])
Field: org.elasticsearch.search.aggregations.pipeline.PercentilesBucketPipelineAggregationBuilder.percents
Local variable named percents
At: PercentilesBucketPipelineAggregationBuilder.java:[line 91]
- EI2** org.elasticsearch.search.dfs.DfsSearchResult.termsStatistics(Term[], TermStatistics[]) may expose internal representation by storing an externally mutable object into DfsSearchResult.termStatistics
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.dfs.DfsSearchResult
Method: org.elasticsearch.search.dfs.DfsSearchResult.termsStatistics(Term[], TermStatistics[])
Field: org.elasticsearch.search.dfs.DfsSearchResult.termStatistics
Local variable named termStatistics
At: DfsSearchResult.java:[line 86]
- EI2** org.elasticsearch.search.dfs.DfsSearchResult.termsStatistics(Term[], TermStatistics[]) may expose internal representation by storing an externally mutable object into DfsSearchResult.terms
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.dfs.DfsSearchResult
Method: org.elasticsearch.search.dfs.DfsSearchResult.termsStatistics(Term[], TermStatistics[])
Field: org.elasticsearch.search.dfs.DfsSearchResult.terms
Local variable named terms
At: DfsSearchResult.java:[line 85]
- EI2** org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.boundaryChars(char[]) may expose internal representation by storing an externally mutable object into AbstractHighlighterBuilder.boundaryChars
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder
Method: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.boundaryChars(char[])
Field: org.elasticsearch.search.fetch.subphase.highlight.AbstractHighlighterBuilder.boundaryChars
Local variable named boundaryChars
At: AbstractHighlighterBuilder.java:[line 427]
- EI2** new org.elasticsearch.search.fetch.subphase.highlight.HighlightField(String, Text[]) may expose internal representation by storing an externally mutable object into HighlightField.fragments
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.fetch.subphase.highlight.HighlightField
Method: new org.elasticsearch.search.fetch.subphase.highlight.HighlightField(String, Text[])
Field: org.elasticsearch.search.fetch.subphase.highlight.HighlightField.fragments
Local variable named fragments
At: HighlightField.java:[line 65]
- EI2** org.elasticsearch.search.internal.SubSearchContext.docIdsToLoad(int[], int, int) may expose internal representation by storing an externally mutable object into SubSearchContext.docIdsToLoad
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.internal.SubSearchContext
Method: org.elasticsearch.search.internal.SubSearchContext.docIdsToLoad(int[], int, int)
Field: org.elasticsearch.search.internal.SubSearchContext.docIdsToLoad
Local variable named docIdsToLoad
At: SubSearchContext.java:[line 326]
- EI2** org.elasticsearch.search.query.QuerySearchResult.topDocs(TopDocsAndMaxScore, DocValueFormat[]) may expose internal representation by storing an externally mutable object into QuerySearchResult.sortValueFormats
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.search.query.QuerySearchResult
Method: org.elasticsearch.search.query.QuerySearchResult.topDocs(TopDocsAndMaxScore, DocValueFormat[])
Field: org.elasticsearch.search.query.QuerySearchResult.sortValueFormats
Local variable named sortValueFormats
At: QuerySearchResult.java:[line 181]
- EI2** new org.elasticsearch.secure_sm.SecureSM(String[]) may expose internal representation by storing an externally mutable object into SecureSM.classesThatCanExit
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.secure_sm.SecureSM
Method: new org.elasticsearch.secure_sm.SecureSM(String[])
Field: org.elasticsearch.secure_sm.SecureSM.classesThatCanExit
Local variable named classesThatCanExit
At: SecureSM.java:[line 82]
- EI2** new org.elasticsearch.xpack.sql.client.Bytes(byte[], int) may expose internal representation by storing an externally mutable object into Bytes.buf
[Bug type EI_EXPOSE_REP2 \(click for details\)](#)
Class: org.elasticsearch.xpack.sql.client.Bytes
Method: new org.elasticsearch.xpack.sql.client.Bytes(byte[], int)
Field: org.elasticsearch.xpack.sql.client.Bytes.buf
Local variable named buf
At: Bytes.java:[line 17]
- MS** org.elasticsearch.action.admin.cluster.snapshots.create.CreateSnapshotRequest.MAXIMUM_METADATA_BYTES isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.action.admin.cluster.snapshots.create.CreateSnapshotRequest
Field: org.elasticsearch.action.admin.cluster.snapshots.create.CreateSnapshotRequest.MAXIMUM_METADATA_BYTES
At: CreateSnapshotRequest.java:[line 68]

- MS** org.elasticsearch.action.search.SearchType.CURRENTLY_SUPPORTED should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.action.search.SearchType
Field: org.elasticsearch.action.search.SearchType.CURRENTLY_SUPPORTED
At: SearchType.java:[line 51]
- MS** org.elasticsearch.action.support.broadcast.node.TransportBroadcastByNodeAction\$EmptyResult.INSTANCE isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.action.support.broadcast.node.TransportBroadcastByNodeAction\$EmptyResult
Field: org.elasticsearch.action.support.broadcast.node.TransportBroadcastByNodeAction\$EmptyResult.INSTANCE
At: TransportBroadcastByNodeAction.java:[line 570]
- MS** org.elasticsearch.action.support.tasks.BaseTasksRequest.ALL_ACTIONS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.action.support.tasks.BaseTasksRequest
Field: org.elasticsearch.action.support.tasks.BaseTasksRequest.ALL_ACTIONS
At: BaseTasksRequest.java:[line 42]
- MS** org.elasticsearch.action.support.tasks.BaseTasksRequest.ALL_NODES should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.action.support.tasks.BaseTasksRequest
Field: org.elasticsearch.action.support.tasks.BaseTasksRequest.ALL_NODES
At: BaseTasksRequest.java:[line 44]
- MS** org.elasticsearch.client.Requests.INDEX_CONTENT_TYPE isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.client.Requests
Field: org.elasticsearch.client.Requests.INDEX_CONTENT_TYPE
At: Requests.java:[line 81]
- MS** org.elasticsearch.client.Requests.CONTENT_TYPE isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.client.Requests
Field: org.elasticsearch.client.Requests.CONTENT_TYPE
At: Requests.java:[line 76]
- MS** org.elasticsearch.cluster.metadata.Metadata.ALL_CONTEXTS isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.cluster.metadata.Metadata
Field: org.elasticsearch.cluster.metadata.Metadata.ALL_CONTEXTS
At: Metadata.java:[line 127]
- MS** org.elasticsearch.cluster.metadata.Metadata.API_AND_GATEWAY isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.cluster.metadata.Metadata
Field: org.elasticsearch.cluster.metadata.Metadata.API_AND_GATEWAY
At: Metadata.java:[line 115]
- MS** org.elasticsearch.cluster.metadata.Metadata.API_AND_SNAPSHOT isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.cluster.metadata.Metadata
Field: org.elasticsearch.cluster.metadata.Metadata.API_AND_SNAPSHOT
At: Metadata.java:[line 121]
- MS** org.elasticsearch.cluster.metadata.Metadata.API_ONLY isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.cluster.metadata.Metadata
Field: org.elasticsearch.cluster.metadata.Metadata.API_ONLY
At: Metadata.java:[line 109]
- MS** org.elasticsearch.cluster.node.DiscoveryNodeRole.BUILT_IN_ROLES isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.cluster.node.DiscoveryNodeRole
Field: org.elasticsearch.cluster.node.DiscoveryNodeRole.BUILT_IN_ROLES
At: DiscoveryNodeRole.java:[line 206]
- MS** org.elasticsearch.common.logging.DeprecationLogger.DEPRECATION isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.common.logging.DeprecationLogger
Field: org.elasticsearch.common.logging.DeprecationLogger.DEPRECATION
At: DeprecationLogger.java:[line 45]
- MS** org.elasticsearch.common.lucene.search.XMoreLikeThis.DEFAULT_FIELD_NAMES should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.common.lucene.search.XMoreLikeThis
Field: org.elasticsearch.common.lucene.search.XMoreLikeThis.DEFAULT_FIELD_NAMES
At: XMoreLikeThis.java:[line 208]
- MS** org.elasticsearch.common.settings.ClusterSettings.BUILT_IN_CLUSTER_SETTINGS isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.common.settings.ClusterSettings
Field: org.elasticsearch.common.settings.ClusterSettings.BUILT_IN_CLUSTER_SETTINGS
At: ClusterSettings.java:[line 201]
- MS** org.elasticsearch.common.settings.ClusterSettings.BUILT_IN_SETTING_UPGRADERS isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.common.settings.ClusterSettings
Field: org.elasticsearch.common.settings.ClusterSettings.BUILT_IN_SETTING_UPGRADERS
At: ClusterSettings.java:[line 566]
- MS** org.elasticsearch.common.settings.SettingsFilter.SETTINGS_FILTER_PARAM isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.common.settings.SettingsFilter

- Field:** org.elasticsearch.common.settings.SettingsFilter.SETTINGS_FILTER_PARAM
At: SettingsFilter.java:[line 42]
- MS** org.elasticsearch.common.util.concurrent.QueueResizingEsThreadPoolExecutor.EWMA_ALPHA isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.common.util.concurrent.QueueResizingEsThreadPoolExecutor
Field: org.elasticsearch.common.util.concurrent.QueueResizingEsThreadPoolExecutor.EWMA_ALPHA
At: QueueResizingEsThreadPoolExecutor.java:[line 42]
- MS** org.elasticsearch.discovery.zen.ZenPing\$PingResponse.FAKE_PING_ID isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.discovery.zen.ZenPing\$PingResponse
Field: org.elasticsearch.discovery.zen.ZenPing\$PingResponse.FAKE_PING_ID
At: ZenPing.java:[line 53]
- MS** org.elasticsearch.index.engine.TranslogLeafReader.ALL_FIELD_NAMES isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.index.engine.TranslogLeafReader
Field: org.elasticsearch.index.engine.TranslogLeafReader.ALL_FIELD_NAMES
At: TranslogLeafReader.java:[line 65]
- MS** org.elasticsearch.index.mapper.RootObjectMapper\$Defaults.DYNAMIC_DATE_TIME_FORMATTERS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.index.mapper.RootObjectMapper\$Defaults
Field: org.elasticsearch.index.mapper.RootObjectMapper\$Defaults.DYNAMIC_DATE_TIME_FORMATTERS
At: RootObjectMapper.java:[line 54]
- MS** org.elasticsearch.index.query.IntervalFilterScript.PARAMETERS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.index.query.IntervalFilterScript
Field: org.elasticsearch.index.query.IntervalFilterScript.PARAMETERS
At: IntervalFilterScript.java:[line 58]
- MS** org.elasticsearch.index.query.SpanNearQueryBuilder.DEFAULT_IN_ORDER isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.index.query.SpanNearQueryBuilder
Field: org.elasticsearch.index.query.SpanNearQueryBuilder.DEFAULT_IN_ORDER
At: SpanNearQueryBuilder.java:[line 52]
- MS** org.elasticsearch.index.query.SpanNearQueryBuilder.DEFAULT_SLOP isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.index.query.SpanNearQueryBuilder
Field: org.elasticsearch.index.query.SpanNearQueryBuilder.DEFAULT_SLOP
At: SpanNearQueryBuilder.java:[line 54]
- MS** org.elasticsearch.index.reindex.BulkByScrollTask\$Status.FIELDS_SET isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.index.reindex.BulkByScrollTask\$Status
Field: org.elasticsearch.index.reindex.BulkByScrollTask\$Status.FIELDS_SET
At: BulkByScrollTask.java:[line 365]
- MS** org.elasticsearch.index.reindex.BulkByScrollTask\$StatusOrException.EXPECTED_EXCEPTION_FIELDS isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.index.reindex.BulkByScrollTask\$StatusOrException
Field: org.elasticsearch.index.reindex.BulkByScrollTask\$StatusOrException.EXPECTED_EXCEPTION_FIELDS
At: BulkByScrollTask.java:[line 880]
- MS** org.elasticsearch.index.seqno.GlobalCheckpointSyncAction.ACTION_NAME isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.index.seqno.GlobalCheckpointSyncAction
Field: org.elasticsearch.index.seqno.GlobalCheckpointSyncAction.ACTION_NAME
At: GlobalCheckpointSyncAction.java:[line 56]
- MS** org.elasticsearch.index.seqno.RetentionLeases.EMPTY isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.index.seqno.RetentionLeases
Field: org.elasticsearch.index.seqno.RetentionLeases.EMPTY
At: RetentionLeases.java:[line 131]
- MS** org.elasticsearch.script.IngestConditionalScript.PARAMETERS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.script.IngestConditionalScript
Field: org.elasticsearch.script.IngestConditionalScript.PARAMETERS
At: IngestConditionalScript.java:[line 31]
- MS** org.elasticsearch.script.IngestScript.PARAMETERS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.script.IngestScript
Field: org.elasticsearch.script.IngestScript.PARAMETERS
At: IngestScript.java:[line 32]
- MS** org.elasticsearch.script.ScoreScript.PARAMETERS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.script.ScoreScript
Field: org.elasticsearch.script.ScoreScript.PARAMETERS
At: ScoreScript.java:[line 84]
- MS** org.elasticsearch.script.ScriptedMetricAggContexts\$CombineScript.CONTEXT isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.script.ScriptedMetricAggContexts\$CombineScript
Field: org.elasticsearch.script.ScriptedMetricAggContexts\$CombineScript.CONTEXT
At: ScriptedMetricAggContexts.java:[line 181]
- MS** org.elasticsearch.script.ScriptedMetricAggContexts\$CombineScript.PARAMETERS isn't final but should be

- [Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.script.ScriptedMetricAggContexts\$CombineScript
Field: org.elasticsearch.script.ScriptedMetricAggContexts\$CombineScript.PARAMETERS
At: ScriptedMetricAggContexts.java:[line 180]
- MS** org.elasticsearch.script.ScriptedMetricAggContexts\$InitScript.CONTEXT isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.script.ScriptedMetricAggContexts\$InitScript
Field: org.elasticsearch.script.ScriptedMetricAggContexts\$InitScript.CONTEXT
At: ScriptedMetricAggContexts.java:[line 63]
- MS** org.elasticsearch.script.ScriptedMetricAggContexts\$InitScript.PARAMETERS isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.script.ScriptedMetricAggContexts\$InitScript
Field: org.elasticsearch.script.ScriptedMetricAggContexts\$InitScript.PARAMETERS
At: ScriptedMetricAggContexts.java:[line 62]
- MS** org.elasticsearch.script.ScriptedMetricAggContexts\$MapScript.CONTEXT isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.script.ScriptedMetricAggContexts\$MapScript
Field: org.elasticsearch.script.ScriptedMetricAggContexts\$MapScript.CONTEXT
At: ScriptModule.java:[line 43]
- MS** org.elasticsearch.script.ScriptedMetricAggContexts\$MapScript.PARAMETERS isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.script.ScriptedMetricAggContexts\$MapScript
Field: org.elasticsearch.script.ScriptedMetricAggContexts\$MapScript.PARAMETERS
At: ScriptedMetricAggContexts.java:[line 153]
- MS** org.elasticsearch.script.ScriptedMetricAggContexts\$ReduceScript.CONTEXT isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.script.ScriptedMetricAggContexts\$ReduceScript
Field: org.elasticsearch.script.ScriptedMetricAggContexts\$ReduceScript.CONTEXT
At: ScriptedMetricAggContexts.java:[line 208]
- MS** org.elasticsearch.script.ScriptedMetricAggContexts\$ReduceScript.PARAMETERS isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.script.ScriptedMetricAggContexts\$ReduceScript
Field: org.elasticsearch.script.ScriptedMetricAggContexts\$ReduceScript.PARAMETERS
At: ScriptedMetricAggContexts.java:[line 207]
- MS** org.elasticsearch.script.SignificantTermsHeuristicScoreScript.PARAMETERS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.script.SignificantTermsHeuristicScoreScript
Field: org.elasticsearch.script.SignificantTermsHeuristicScoreScript.PARAMETERS
At: SignificantTermsHeuristicScoreScript.java:[line 29]
- MS** org.elasticsearch.script.SimilarityScript.PARAMETERS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.script.SimilarityScript
Field: org.elasticsearch.script.SimilarityScript.PARAMETERS
At: SimilarityScript.java:[line 41]
- MS** org.elasticsearch.script.SimilarityWeightScript.PARAMETERS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.script.SimilarityWeightScript
Field: org.elasticsearch.script.SimilarityWeightScript.PARAMETERS
At: SimilarityWeightScript.java:[line 39]
- MS** org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregationBuilder.ALLOWED_INTERVALS is a mutable collection which should be package protected
[Bug type MS_MUTABLE_COLLECTION_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregationBuilder
Field: org.elasticsearch.search.aggregations.bucket.histogram.AutoDateHistogramAggregationBuilder.ALLOWED_INTERVALS
At: AutoDateHistogramAggregationBuilder.java:[line 67]
- MS** org.elasticsearch.search.aggregations.pipeline.MovingFunctionScript.PARAMETERS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.pipeline.MovingFunctionScript
Field: org.elasticsearch.search.aggregations.pipeline.MovingFunctionScript.PARAMETERS
At: MovingFunctionScript.java:[line 43]
- MS** org.elasticsearch.search.aggregations.support.CoreValuesSourceType.ALL_CORE isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.aggregations.support.CoreValuesSourceType
Field: org.elasticsearch.search.aggregations.support.CoreValuesSourceType.ALL_CORE
At: CoreValuesSourceType.java:[line 347]
- MS** org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder.DEFAULT_STYLED_POST_TAGS should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder
Field: org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder.DEFAULT_STYLED_POST_TAGS
At: HighlightBuilder.java:[line 90]
- MS** org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder.DEFAULT_STYLED_PRE_TAG should be package protected
[Bug type MS_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder
Field: org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder.DEFAULT_STYLED_PRE_TAG
At: HighlightBuilder.java:[line 83]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_ACCURACY isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings

- Field:** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_ACCURACY
At: DirectSpellcheckerSettings.java:[line 35]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MAX_EDITS isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings
Field: org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MAX_EDITS
At: DirectSpellcheckerSettings.java:[line 39]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MAX_INSPECTIONS isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings
Field: org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MAX_INSPECTIONS
At: DirectSpellcheckerSettings.java:[line 40]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MAX_TERM_FREQ isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings
Field: org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MAX_TERM_FREQ
At: DirectSpellcheckerSettings.java:[line 41]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MIN_DOC_FREQ isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings
Field: org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MIN_DOC_FREQ
At: DirectSpellcheckerSettings.java:[line 44]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MIN_WORD_LENGTH isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings
Field: org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_MIN_WORD_LENGTH
At: DirectSpellcheckerSettings.java:[line 43]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_PREFIX_LENGTH isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings
Field: org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_PREFIX_LENGTH
At: DirectSpellcheckerSettings.java:[line 42]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_SORT isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings
Field: org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_SORT
At: DirectSpellcheckerSettings.java:[line 36]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_STRING_DISTANCE isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings
Field: org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_STRING_DISTANCE
At: DirectSpellcheckerSettings.java:[line 38]
- MS** org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_SUGGEST_MODE isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.search.suggest.DirectSpellcheckerSettings
Field: org.elasticsearch.search.suggest.DirectSpellcheckerSettings.DEFAULT_SUGGEST_MODE
At: DirectSpellcheckerSettings.java:[line 34]
- MS** org.elasticsearch.threadpool.ThreadPool.ESTIMATED_TIME_INTERVAL_SETTING isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.threadpool.ThreadPool
Field: org.elasticsearch.threadpool.ThreadPool.ESTIMATED_TIME_INTERVAL_SETTING
At: ThreadPool.java:[line 167]
- MS** org.elasticsearch.xpack.sql.cli.ConnectionBuilder.DEFAULT_CONNECTION_STRING isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.xpack.sql.cli.ConnectionBuilder
Field: org.elasticsearch.xpack.sql.cli.ConnectionBuilder.DEFAULT_CONNECTION_STRING
At: ConnectionBuilder.java:[line 26]
- MS** org.elasticsearch.xpack.sql.cli.ConnectionBuilder.DEFAULT_URI isn't final but should be
[Bug type MS_SHOULD_BE_FINAL \(click for details\)](#)
Class: org.elasticsearch.xpack.sql.cli.ConnectionBuilder
Field: org.elasticsearch.xpack.sql.cli.ConnectionBuilder.DEFAULT_URI
At: ConnectionBuilder.java:[line 27]
- MS** org.elasticsearch.xpack.sql.client.ConnectionConfiguration.OPTION_NAMES is a mutable collection which should be package protected
[Bug type MS_MUTABLE_COLLECTION_PKGPROTECT \(click for details\)](#)
Class: org.elasticsearch.xpack.sql.client.ConnectionConfiguration
Field: org.elasticsearch.xpack.sql.client.ConnectionConfiguration.OPTION_NAMES
At: ConnectionConfiguration.java:[line 68]

Security Warnings

Code	Warning
ERRMSG	Possible information exposure through an error message Bug type INFORMATION_EXPOSURE_THROUGH_AN_ERROR_MESSAGE (click for details) Class: org.elasticsearch.ExceptionsHelper Method: org.elasticsearch.ExceptionsHelper.stackTrace(Throwable) At: ExceptionsHelper.java:[line 136]
ERRMSG	Possible information exposure through an error message

[Bug type INFORMATION EXPOSURE THROUGH AN ERROR MESSAGE \(click for details\)](#)

Class: org.elasticsearch.bootstrap.ElasticsearchUncaughtExceptionHandler

Method: org.elasticsearch.bootstrap.ElasticsearchUncaughtExceptionHandler.onFatalUncaught(String, Throwable)

At: ElasticsearchUncaughtExceptionHandler.java:[line 69]

ERRMSG

Possible information exposure through an error message

[Bug type INFORMATION EXPOSURE THROUGH AN ERROR MESSAGE \(click for details\)](#)

Class: org.elasticsearch.bootstrap.ElasticsearchUncaughtExceptionHandler

Method: org.elasticsearch.bootstrap.ElasticsearchUncaughtExceptionHandler.onNonFatalUncaught(String, Throwable)

At: ElasticsearchUncaughtExceptionHandler.java:[line 78]

ERRMSG

Possible information exposure through an error message

[Bug type INFORMATION EXPOSURE THROUGH AN ERROR MESSAGE \(click for details\)](#)

Class: org.elasticsearch.common.inject.internal.Errors

Method: org.elasticsearch.common.inject.internal.Errors.format(String, Collection)

At: Errors.java:[line 491]

ERRMSG

Possible information exposure through an error message

[Bug type INFORMATION EXPOSURE THROUGH AN ERROR MESSAGE \(click for details\)](#)

Class: org.elasticsearch.xpack.sql.cli.JLineTerminal

Method: org.elasticsearch.xpack.sql.cli.JLineTerminal.printStackTrace(Exception)

At: JLineTerminal.java:[line 105]

SECCI

This usage of java/lang/ProcessBuilder.<init>([Ljava/lang/String;)V can be vulnerable to Command Injection

[Bug type COMMAND INJECTION \(click for details\)](#)

Class: org.elasticsearch.bootstrap.Spawner

Method: org.elasticsearch.bootstrap.Spawner.spawnNativeController(Path, Path, boolean)

At: Spawner.java:[line 113]

Sink method java/lang/ProcessBuilder.<init>([Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/bootstrap/JNANatives.getShortPathName(Ljava/lang/String;)Ljava/lang/String; parameter 0

Unknown source org/elasticsearch/bootstrap/Natives.getShortPathName(Ljava/lang/String;)Ljava/lang/String;

Unknown source org/elasticsearch/bootstrap/JNANatives.getShortPathName(Ljava/lang/String;)Ljava/lang/String;

Unknown source org/elasticsearch/bootstrap/Natives.getShortPathName(Ljava/lang/String;)Ljava/lang/String; parameter 0

Unknown source java/nio/file/Path.toString()Ljava/lang/String;

Unknown source org/elasticsearch/bootstrap/Spawner.spawnNativeController(Ljava/nio/file/Path;Ljava/nio/file/Path;Z)Ljava/lang/Process; parameter 2

Unknown source com/sun/jna/Native.toString([C)Ljava/lang/String;

At: Native.java:[line 466]

At: JNANatives.java:[line 232]

At: Natives.java:[line 87]

At: Natives.java:[line 90]

At: Spawner.java:[line 77]

At: Spawner.java:[line 78]

At: Spawner.java:[line 88]

At: Spawner.java:[line 109]

At: Spawner.java:[line 111]

SECCI

This usage of java/lang/ProcessBuilder.command(Ljava/util/List;)Ljava/lang/ProcessBuilder; can be vulnerable to Command Injection

[Bug type COMMAND INJECTION \(click for details\)](#)

Class: org.elasticsearch.tools.launchers.JvmErgonomics

Method: org.elasticsearch.tools.launchers.JvmErgonomics.flagsFinal(List)

At: JvmErgonomics.java:[line 114]

Sink method java/lang/ProcessBuilder.command(Ljava/util/List;)Ljava/lang/ProcessBuilder;

Sink parameter 0

Unknown source java/util/Collections.unmodifiableList(Ljava/util/List;)Ljava/util/List;

Unknown source java/util/stream/Stream.collect(Ljava/util/stream/Collector;)Ljava/lang/Object;

At: JvmErgonomics.java:[line 105]

SECCRLFLOG

This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF INJECTION LOGS \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.dangling.delete.TransportDeleteDanglingIndexAction\$1

Method: org.elasticsearch.action.admin.indices.dangling.delete.TransportDeleteDanglingIndexAction\$1.onFailure(Exception)

At: TransportDeleteDanglingIndexAction.java:[line 153]

Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/action/admin/indices/dangling/delete/DeleteDanglingIndexRequest.getIndexUUID()Ljava/lang/String;

Unknown source org/elasticsearch/action/admin/indices/dangling/delete/DeleteDanglingIndexRequest.indexUUID

At: DeleteDanglingIndexRequest.java:[line 56]

At: TransportDeleteDanglingIndexAction.java:[line 153]

SECCRLFLOG

This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF INJECTION LOGS \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.dangling.delete.TransportDeleteDanglingIndexAction\$1\$1

Method: org.elasticsearch.action.admin.indices.dangling.delete.TransportDeleteDanglingIndexAction\$1\$1.onFailure(Exception)

At: TransportDeleteDanglingIndexAction.java:[line 127]

Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/action/admin/indices/dangling/delete/TransportDeleteDanglingIndexAction\$1\$1.val\$indexUUID

Unknown source org/elasticsearch/action/admin/indices/dangling/delete/TransportDeleteDanglingIndexAction\$1\$1.val\$indexName

At: TransportDeleteDanglingIndexAction.java:[line 127]

SECCRLFLOG

This use of org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF INJECTION LOGS \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.dangling.delete.TransportDeleteDanglingIndexAction\$2

Method: org.elasticsearch.action.admin.indices.dangling.delete.TransportDeleteDanglingIndexAction\$2.onResponse(ListDanglingIndicesResponse)

At: TransportDeleteDanglingIndexAction.java:[line 211]

Sink method org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1
 Unknown source org/elasticsearch/action/FailedNodeException.nodeId
 Unknown source org/elasticsearch/action/FailedNodeException.nodeId()Ljava/lang/String;
At: FailedNodeException.java:[line 39]
At: TransportDeleteDanglingIndexAction.java:[line 211]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.dangling.import_index.TransportImportDanglingIndexAction\$1
Method: org.elasticsearch.action.admin.indices.dangling.import_index.TransportImportDanglingIndexAction\$1.onFailure(Exception)
At: TransportImportDanglingIndexAction.java:[line 105]
 Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V
 Sink parameter 1

Unknown source org/elasticsearch/action/admin/indices/dangling/import_index/ImportDanglingIndexRequest.indexUUID
 Unknown source org/elasticsearch/action/admin/indices/dangling/import_index/ImportDanglingIndexRequest.getIndexUUID()Ljava/lang/String;
At: ImportDanglingIndexRequest.java:[line 58]
At: TransportImportDanglingIndexAction.java:[line 105]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.dangling.import_index.TransportImportDanglingIndexAction\$1\$1
Method: org.elasticsearch.action.admin.indices.dangling.import_index.TransportImportDanglingIndexAction\$1\$1.onFailure(Exception)
At: TransportImportDanglingIndexAction.java:[line 96]
 Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V
 Sink parameter 1

Unknown source org/elasticsearch/action/admin/indices/dangling/import_index/TransportImportDanglingIndexAction\$1\$1.val\$indexName
 Unknown source org/elasticsearch/action/admin/indices/dangling/import_index/TransportImportDanglingIndexAction\$1\$1.val\$indexUUID
At: TransportImportDanglingIndexAction.java:[line 96]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.action.admin.indices.dangling.import_index.TransportImportDanglingIndexAction\$2
Method: org.elasticsearch.action.admin.indices.dangling.import_index.TransportImportDanglingIndexAction\$2.onResponse(FindDanglingIndexResponse)
At: TransportImportDanglingIndexAction.java:[line 128]
 Sink method org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V
 Sink parameter 1

Unknown source org/elasticsearch/action/FailedNodeException.nodeId
 Unknown source org/elasticsearch/action/FailedNodeException.nodeId()Ljava/lang/String;
At: FailedNodeException.java:[line 39]
At: TransportImportDanglingIndexAction.java:[line 128]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.action.bulk.TransportBulkAction\$BulkRequestModifier
Method: org.elasticsearch.action.bulk.TransportBulkAction\$BulkRequestModifier.markItemAsFailed(int, Exception)
At: TransportBulkAction.java:[line 845]
 Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;Ljava/lang/Throwable;)V
 Sink parameter 1

Unknown source org/elasticsearch/action/index/IndexRequest.getPipeline()Ljava/lang/String;
 Unknown source org/elasticsearch/action/index/IndexRequest.pipeline
 Unknown source org/elasticsearch/action/support/replication/ReplicationRequest.index
 Unknown source org/elasticsearch/action/index/IndexRequest.type
 Unknown source org/elasticsearch/action/index/IndexRequest.index()Ljava/lang/String;
 Unknown source org/elasticsearch/action/index/IndexRequest.id()Ljava/lang/String;
 Unknown source org/elasticsearch/action/index/IndexRequest.type()Ljava/lang/String;
 Unknown source org/elasticsearch/action/index/IndexRequest.id
At: TransportBulkAction.java:[line 845]
At: TransportBulkAction.java:[line 846]
At: IndexRequest.java:[line 298]
At: IndexRequest.java:[line 331]
At: IndexRequest.java:[line 377]
At: ReplicationRequest.java:[line 125]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.action.support.single.instance.TransportInstanceSingleOperationAction\$ShardTransportHandler\$1
Method: org.elasticsearch.action.support.single.instance.TransportInstanceSingleOperationAction\$ShardTransportHandler\$1.onFailure(Exception)
At: TransportInstanceSingleOperationAction.java:[line 274]
 Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V
 Sink parameter 1

Unknown source org/elasticsearch/action/support/single/instance/TransportInstanceSingleOperationAction.shardActionName
At: TransportInstanceSingleOperationAction.java:[line 274]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.bootstrap.BootstrapChecks
Method: org.elasticsearch.bootstrap.BootstrapChecks.log(Logger, String)
At: BootstrapChecks.java:[line 172]
 Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V
 Sink parameter 0

Unknown source org/elasticsearch/bootstrap/BootstrapChecks.log(Lorg/apache/logging/log4j/Logger;Ljava/lang/String;)V parameter 0
 Method usage not detected
At: BootstrapChecks.java:[line 156]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.bootstrap.ElasticsearchUncaughtExceptionHandler

Method: org.elasticsearch.bootstrap.ElasticsearchUncaughtExceptionHandler.onFatalUncaught(String, Throwable)

At: ElasticsearchUncaughtExceptionHandler.java:[line 67]

Sink method org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/bootstrap/ElasticsearchUncaughtExceptionHandler.onFatalUncaught(Ljava/lang/String;Ljava/lang/Throwable;)V param

At: ElasticsearchUncaughtExceptionHandler.java:[line 38]

At: ElasticsearchUncaughtExceptionHandler.java:[line 66]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.bootstrap.ElasticsearchUncaughtExceptionHandler

Method: org.elasticsearch.bootstrap.ElasticsearchUncaughtExceptionHandler.onNonFatalUncaught(String, Throwable)

At: ElasticsearchUncaughtExceptionHandler.java:[line 76]

Sink method org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/bootstrap/ElasticsearchUncaughtExceptionHandler.onNonFatalUncaught(Ljava/lang/String;Ljava/lang/Throwable;)V p

At: ElasticsearchUncaughtExceptionHandler.java:[line 57]

At: ElasticsearchUncaughtExceptionHandler.java:[line 75]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.bootstrap.JNANatives

Method: org.elasticsearch.bootstrap.JNANatives.trySetMaxFileSize()

At: JNANatives.java:[line 151]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/bootstrap/JNACLibrary.sterror(I)Ljava/lang/String;

At: JNANatives.java:[line 151]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.bootstrap.JNANatives

Method: org.elasticsearch.bootstrap.JNANatives.trySetMaxNumberOfThreads()

At: JNANatives.java:[line 129]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/bootstrap/JNACLibrary.sterror(I)Ljava/lang/String;

At: JNANatives.java:[line 129]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.bootstrap.JNANatives

Method: org.elasticsearch.bootstrap.JNANatives.trySetMaxSizeVirtualMemory()

At: JNANatives.java:[line 140]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/bootstrap/JNACLibrary.sterror(I)Ljava/lang/String;

At: JNANatives.java:[line 140]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.cluster.coordination.ClusterFormationFailureHelper\$WarningScheduler\$1

Method: org.elasticsearch.cluster.coordination.ClusterFormationFailureHelper\$WarningScheduler\$1.doRun()

At: ClusterFormationFailureHelper.java:[line 103]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source java/util/function/Function.apply(Ljava/lang/Object;)Ljava/lang/Object;

Unknown source org/elasticsearch/monitor/StatusInfo.getInfo()Ljava/lang/String;

Unknown source org/elasticsearch/cluster/coordination/ClusterFormationFailureHelper\$ClusterFormationState.foundPeers

Unknown source org/elasticsearch/common/settings/Setting.get(Lorg/elasticsearch/common/settings/Settings;Z)Ljava/lang/Object;

Unknown source org/elasticsearch/monitor/StatusInfo.info

Unknown source java/lang/Object.toString()Ljava/lang/String;

Unknown source org/elasticsearch/common/settings/Setting.getKey()Ljava/lang/String;

Unknown source org/elasticsearch/cluster/coordination/CoordinationMetadata\$VotingConfiguration.nodeIds

Unknown source org/elasticsearch/cluster/coordination/CoordinationMetadata\$VotingConfiguration.getNodeIds()Ljava/util/Set;

Unknown source java/util/HashSet.<init>(Ljava/util/Collection;)V

Unknown source org/elasticsearch/cluster/coordination/ClusterFormationFailureHelper\$ClusterFormationState.describeQuorum(Lorg/elasticsearch/cluster/

Unknown source org/elasticsearch/cluster/coordination/ClusterFormationFailureHelper\$ClusterFormationState.getDescription()Ljava/lang/String;

Unknown source org/elasticsearch/common/settings/Setting.key

Unknown source java/util/stream/Stream.collect(Ljava/util/stream/Collector;)Ljava/lang/Object;

Unknown source org/elasticsearch/cluster/coordination/ClusterFormationFailureHelper\$ClusterFormationState.resolvedAddresses

Unknown source org/elasticsearch/common/settings/Setting.get(Lorg/elasticsearch/common/settings/Settings;)Ljava/lang/Object;

At: ClusterFormationFailureHelper.java:[line 145]

At: ClusterFormationFailureHelper.java:[line 150]

At: ClusterFormationFailureHelper.java:[line 155]

At: ClusterFormationFailureHelper.java:[line 159]

At: ClusterFormationFailureHelper.java:[line 169]

At: ClusterFormationFailureHelper.java:[line 171]

At: ClusterFormationFailureHelper.java:[line 173]

At: ClusterFormationFailureHelper.java:[line 176]

At: ClusterFormationFailureHelper.java:[line 184]

At: ClusterFormationFailureHelper.java:[line 191]

At: ClusterFormationFailureHelper.java:[line 193]

At: ClusterFormationFailureHelper.java:[line 195]

At: ClusterFormationFailureHelper.java:[line 206]

At: ClusterFormationFailureHelper.java:[line 212]
At: ClusterFormationFailureHelper.java:[line 216]
At: ClusterFormationFailureHelper.java:[line 217]
At: ClusterFormationFailureHelper.java:[line 225]
At: ClusterFormationFailureHelper.java:[line 228]
At: ClusterFormationFailureHelper.java:[line 231]
At: ClusterFormationFailureHelper.java:[line 233]
At: ClusterFormationFailureHelper.java:[line 103]
At: CoordinationMetadata.java:[line 354]
At: Setting.java:[line 284]
At: Setting.java:[line 435]
At: Setting.java:[line 463]
At: StatusInfo.java:[line 39]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.cluster.coordination.FollowersChecker

Method: org.elasticsearch.cluster.coordination.FollowersChecker.handleFollowerCheck(FollowersChecker\$FollowerCheckRequest, TransportChannel)

At: FollowersChecker.java:[line 178]

Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/monitor/StatusInfo.getInfo()Ljava/lang/String;

Unknown source org/elasticsearch/monitor/StatusInfo.info

At: FollowersChecker.java:[line 177]

At: StatusInfo.java:[line 39]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.cluster.coordination.LeaderChecker

Method: org.elasticsearch.cluster.coordination.LeaderChecker.handleLeaderCheck(LeaderChecker\$LeaderCheckRequest)

At: LeaderChecker.java:[line 183]

Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/monitor/StatusInfo.getInfo()Ljava/lang/String;

Unknown source org/elasticsearch/cluster/coordination/LeaderChecker\$LeaderCheckRequest.sender

Unknown source org/elasticsearch/cluster/coordination/LeaderChecker\$LeaderCheckRequest.getSender()Lorg/elasticsearch/cluster/node/DiscoveryNode;

Unknown source org/elasticsearch/monitor/StatusInfo.info

At: LeaderChecker.java:[line 181]

At: LeaderChecker.java:[line 182]

At: LeaderChecker.java:[line 370]

At: StatusInfo.java:[line 39]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.cluster.coordination.PreVoteCollector

Method: org.elasticsearch.cluster.coordination.PreVoteCollector.handlePreVoteRequest(PreVoteRequest)

At: PreVoteCollector.java:[line 118]

Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/monitor/StatusInfo.getInfo()Ljava/lang/String;

Unknown source org/elasticsearch/cluster/coordination/PreVoteCollector.handlePreVoteRequest(Lorg/elasticsearch/cluster/coordination/PreVoteRequest;)

Unknown source org/elasticsearch/monitor/StatusInfo.info

Method usage not detected

At: PreVoteCollector.java:[line 74]

At: PreVoteCollector.java:[line 117]

At: StatusInfo.java:[line 39]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.cluster.metadata.MetadataIndexTemplateService

Method: org.elasticsearch.cluster.metadata.MetadataIndexTemplateService.addIndexTemplateV2(ClusterState, boolean, String, ComposableIndexTemplate)

At: MetadataIndexTemplateService.java:[line 466]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;

Unknown source org/elasticsearch/common/Strings.collectionToCommaDelimitedString(Ljava/lang/Iterable;)Ljava/lang/String; parameter 0

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;

Unknown source org/elasticsearch/cluster/metadata/IndexTemplateMetadata.patterns()Ljava/util/List;

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String;

Unknown source java/lang/Iterable.iterator()Ljava/util/Iterator;

Unknown source org/elasticsearch/cluster/metadata/MetadataIndexTemplateService.findConflictingV1Templates(Lorg/elasticsearch/cluster/ClusterState;L

Unknown source org/elasticsearch/common/Strings.collectionToCommaDelimitedString(Ljava/lang/Iterable;)Ljava/lang/String;

Unknown source java/util/Iterator.next()Ljava/lang/Object;

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String; parameter 0

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String; parameter 1

Unknown source java/util/stream/Stream.collect(Ljava/util/stream/Collector;)Ljava/lang/Object;

Unknown source java/util/Map.put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;

Unknown source org/elasticsearch/cluster/metadata/ComposableIndexTemplate.indexPatterns

Unknown source org/elasticsearch/common/Strings.collectionToDelimitedString(Ljava/lang/Iterable;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;

Unknown source com/carrotsearch/hppc/cursors/ObjectObjectCursor.key

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At: Strings.java:[line 612]

At: Strings.java:[line 626]

At: Strings.java:[line 637]

SECCRLFLOG This use of java/util/logging/Logger.fine(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.common.inject.internal.Stopwatch

Method: org.elasticsearch.common.inject.internal.Stopwatch.resetAndLog(String)

At: Stopwatch.java:[line 49]

Sink method java/util/logging/Logger.fine(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/common/inject/internal/Stopwatch.resetAndLog(Ljava/lang/String;)V parameter 0

Method usage detected only with safe arguments

At: Stopwatch.java:[line 49]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.log(Lorg/apache/logging/log4j/Level;Ljava/lang/String;)V might be used to include CRLF characters into log

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.common.logging.LoggingOutputStream

Method: org.elasticsearch.common.logging.LoggingOutputStream.log(String)

At: LoggingOutputStream.java:[line 119]

Sink method org/apache/logging/log4j/Logger.log(Lorg/apache/logging/log4j/Level;Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/common/logging/LoggingOutputStream.log(Ljava/lang/String;)V parameter 0

At: LoggingOutputStream.java:[line 104]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.common.settings.SettingsModule

Method: new org.elasticsearch.common.settings.SettingsModule(Settings, List, List, Set)

At: SettingsModule.java:[line 142]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/common/bytes/BytesReference.utf8ToString(Ljava/lang/String;

Unknown source org/elasticsearch/common/Strings.toString(Lorg/elasticsearch/common/xcontent/XContentBuilder;)Ljava/lang/String;

Unknown source java/util/stream/Stream.collect(Ljava/util/stream/Collector;)Ljava/lang/Object;

At: SettingsModule.java:[line 101]

At: SettingsModule.java:[line 104]

At: SettingsModule.java:[line 105]

At: SettingsModule.java:[line 106]

At: SettingsModule.java:[line 107]

At: SettingsModule.java:[line 108]

At: SettingsModule.java:[line 117]

At: SettingsModule.java:[line 121]

At: SettingsModule.java:[line 124]

At: SettingsModule.java:[line 125]

At: SettingsModule.java:[line 126]

At: SettingsModule.java:[line 127]

At: SettingsModule.java:[line 128]

At: SettingsModule.java:[line 129]

At: SettingsModule.java:[line 135]

At: SettingsModule.java:[line 137]

At: SettingsModule.java:[line 138]

At: SettingsModule.java:[line 139]

At: SettingsModule.java:[line 140]

At: SettingsModule.java:[line 142]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.common.util.concurrent.ThreadContext\$ThreadContextStruct

Method: org.elasticsearch.common.util.concurrent.ThreadContext\$ThreadContextStruct.putResponse(String, String, Function, int, long)

At: ThreadContext.java:[line 586]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/common/settings/Setting.getKey(Ljava/lang/String;

Unknown source org/elasticsearch/common/settings/Setting.key

Unknown source java/lang/Object.toString()Ljava/lang/String;

At: Setting.java:[line 284]

At: ThreadContext.java:[line 588]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.common.util.concurrent.ThreadContext\$ThreadContextStruct

Method: org.elasticsearch.common.util.concurrent.ThreadContext\$ThreadContextStruct.putResponse(String, String, Function, int, long)

At: ThreadContext.java:[line 593]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/common/settings/Setting.getKey(Ljava/lang/String;

Unknown source org/elasticsearch/common/settings/Setting.key

Unknown source java/lang/Object.toString()Ljava/lang/String;

At: Setting.java:[line 284]

At: ThreadContext.java:[line 595]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.common.util.concurrent.ThreadContext\$ThreadContextStruct

Method: org.elasticsearch.common.util.concurrent.ThreadContext\$ThreadContextStruct.putResponse(String, String, Function, int, long)

At: ThreadContext.java:[line 620]
Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V
Sink parameter 0
Unknown source org/elasticsearch/common/settings/Setting.getKey()Ljava/lang/String;
Unknown source org/elasticsearch/common/settings/Setting.key
Unknown source java/lang/Object.toString()Ljava/lang/String;
At: Setting.java:[line 284]
At: ThreadContext.java:[line 622]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.discovery.SeedHostsResolver

Method: org.elasticsearch.discovery.SeedHostsResolver.resolveHostsLists(CancellableThreads, ExecutorService, Logger, List, TransportService, TimeVa

At: SeedHostsResolver.java:[line 177]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source

org/elasticsearch/discovery/SeedHostsResolver.resolveHostsLists(Lorg/elasticsearch/common/util/CancellableThreads;Ljava/util/concurrent/ExecutorServ
parameter 2

Unknown source java/util/Iterator.next()Ljava/lang/Object;

Method usage not detected

At: SeedHostsResolver.java:[line 134]

At: SeedHostsResolver.java:[line 159]

At: SeedHostsResolver.java:[line 162]

At: SeedHostsResolver.java:[line 176]

At: SeedHostsResolver.java:[line 249]

At: SeedHostsResolver.java:[line 230]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.discovery.zen.ZenDiscovery

Method: org.elasticsearch.discovery.zen.ZenDiscovery.validateIncomingState(Logger, ClusterState, ClusterState)

At: ZenDiscovery.java:[line 1024]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/cluster/node/DiscoveryNodes.masterNodeId

Unknown source org/elasticsearch/cluster/ClusterState.stateUUID()Ljava/lang/String;

Unknown source org/elasticsearch/cluster/ClusterState.stateUUID

Unknown source org/elasticsearch/cluster/node/DiscoveryNodes.getMasterNodeId()Ljava/lang/String;

At: ClusterState.java:[line 223]

At: DiscoveryNodes.java:[line 213]

At: ZenDiscovery.java:[line 1017]

At: ZenDiscovery.java:[line 1021]

At: ZenDiscovery.java:[line 1022]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.gateway.DanglingIndicesState

Method: new org.elasticsearch.gateway.DanglingIndicesState(NodeEnvironment, MetaStateService, LocalAllocateDangledIndices, ClusterService)

At: DanglingIndicesState.java:[line 93]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/common/settings/Setting.getKey()Ljava/lang/String;

Unknown source org/elasticsearch/common/settings/Setting.key

Unknown source java/lang/Object.toString()Ljava/lang/String;

At: Setting.java:[line 284]

At: DanglingIndicesState.java:[line 94]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.index.engine.Engine

Method: org.elasticsearch.index.engine.Engine.lambda\$maybeDie\$11(String, Error)

At: Engine.java:[line 1135]

Sink method org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/index/engine/Engine.lambda\$maybeDie\$11(Ljava/lang/String;Ljava/lang/Error;)V parameter 1

Method usage not detected

SECCRLFLOG This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.indices.recovery.RecoverySourceHandler

Method: org.elasticsearch.indices.recovery.RecoverySourceHandler.lambda\$recoverToTarget\$9(StepListener)

At: RecoverySourceHandler.java:[line 278]

Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/indices/recovery/StartRecoveryRequest.targetAllocationId

Unknown source org/elasticsearch/indices/recovery/StartRecoveryRequest.targetAllocationId()Ljava/lang/String;

At: RecoverySourceHandler.java:[line 278]

At: StartRecoveryRequest.java:[line 104]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;[Ljava/lang/Object;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.monitor.jvm.JvmGcMonitorService

Method: org.elasticsearch.monitor.jvm.JvmGcMonitorService.logSlowGc(Logger, JvmGcMonitorService\$JvmMonitor\$Threshold, long, JvmGcMonitor\$

At: JvmGcMonitorService.java:[line 239]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;[Ljava/lang/Object;)V

Sink parameter 0
 Unknown source org/elasticsearch/monitor/jvm/JvmStats\$GarbageCollector.name
 Unknown source org/elasticsearch/monitor/jvm/JvmStats\$Mem.getHeapUsed()Lorg/elasticsearch/common/unit/ByteSizeValue;
 Unknown source org/elasticsearch/common/unit/TimeValue.timeValueMillis(J)Lorg/elasticsearch/common/unit/TimeValue;
 Unknown source org/elasticsearch/monitor/jvm/JvmGcMonitorService\$JvmMonitor\$SlowGcEvent.collectionTime
 Unknown source java/util/function/BiFunction.apply(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
 Unknown source org/elasticsearch/common/unit/TimeValue.<init>(JLjava/util/concurrent/TimeUnit;)V
 Unknown source org/elasticsearch/monitor/jvm/JvmStats\$GarbageCollector.getName()Ljava/lang/String;
 Unknown source org/elasticsearch/monitor/jvm/JvmGcMonitorService\$JvmMonitor\$SlowGcEvent.maxHeapUsed
 Unknown source org/elasticsearch/common/unit/ByteSizeValue.<init>(J)V
At: TimeValue.java:[line 63]
At: JvmGcMonitorService.java:[line 226]
At: JvmGcMonitorService.java:[line 231]
At: JvmGcMonitorService.java:[line 234]
At: JvmGcMonitorService.java:[line 246]
At: JvmGcMonitorService.java:[line 249]
At: JvmGcMonitorService.java:[line 250]
At: JvmStats.java:[line 363]
At: JvmStats.java:[line 506]

SECURITY This use of org/apache/logging/log4j/Logger.info(Ljava/lang/String;[Ljava/lang/Object;)V might be used to include CRLF characters into log messages
[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.monitor.jvm.JvmGcMonitorService
Method: org.elasticsearch.monitor.jvm.JvmGcMonitorService.logSlowGc(Logger, JvmGcMonitorService\$JvmMonitor\$Threshold, long, JvmGcMonitorService\$JvmMonitor\$SlowGcEvent)V
At: JvmGcMonitorService.java:[line 257]
 Sink method org/apache/logging/log4j/Logger.info(Ljava/lang/String;[Ljava/lang/Object;)V
 Sink parameter 0
 Unknown source org/elasticsearch/monitor/jvm/JvmStats\$GarbageCollector.name
 Unknown source org/elasticsearch/monitor/jvm/JvmStats\$Mem.getHeapUsed()Lorg/elasticsearch/common/unit/ByteSizeValue;
 Unknown source org/elasticsearch/common/unit/TimeValue.timeValueMillis(J)Lorg/elasticsearch/common/unit/TimeValue;
 Unknown source org/elasticsearch/monitor/jvm/JvmGcMonitorService\$JvmMonitor\$SlowGcEvent.collectionTime
 Unknown source java/util/function/BiFunction.apply(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
 Unknown source org/elasticsearch/common/unit/TimeValue.<init>(JLjava/util/concurrent/TimeUnit;)V
 Unknown source org/elasticsearch/monitor/jvm/JvmStats\$GarbageCollector.getName()Ljava/lang/String;
 Unknown source org/elasticsearch/monitor/jvm/JvmGcMonitorService\$JvmMonitor\$SlowGcEvent.maxHeapUsed
 Unknown source org/elasticsearch/common/unit/ByteSizeValue.<init>(J)V
At: TimeValue.java:[line 63]
At: JvmGcMonitorService.java:[line 226]
At: JvmGcMonitorService.java:[line 231]
At: JvmGcMonitorService.java:[line 234]
At: JvmGcMonitorService.java:[line 264]
At: JvmGcMonitorService.java:[line 267]
At: JvmGcMonitorService.java:[line 268]
At: JvmStats.java:[line 363]
At: JvmStats.java:[line 506]

SECURITY This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;[Ljava/lang/Object;)V might be used to include CRLF characters into log messages
[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.monitor.jvm.JvmGcMonitorService
Method: org.elasticsearch.monitor.jvm.JvmGcMonitorService.logSlowGc(Logger, JvmGcMonitorService\$JvmMonitor\$Threshold, long, JvmGcMonitorService\$JvmMonitor\$SlowGcEvent)V
At: JvmGcMonitorService.java:[line 275]
 Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;[Ljava/lang/Object;)V
 Sink parameter 0
 Unknown source org/elasticsearch/monitor/jvm/JvmStats\$GarbageCollector.name
 Unknown source org/elasticsearch/monitor/jvm/JvmStats\$Mem.getHeapUsed()Lorg/elasticsearch/common/unit/ByteSizeValue;
 Unknown source org/elasticsearch/common/unit/TimeValue.timeValueMillis(J)Lorg/elasticsearch/common/unit/TimeValue;
 Unknown source org/elasticsearch/monitor/jvm/JvmGcMonitorService\$JvmMonitor\$SlowGcEvent.collectionTime
 Unknown source java/util/function/BiFunction.apply(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
 Unknown source org/elasticsearch/common/unit/TimeValue.<init>(JLjava/util/concurrent/TimeUnit;)V
 Unknown source org/elasticsearch/monitor/jvm/JvmStats\$GarbageCollector.getName()Ljava/lang/String;
 Unknown source org/elasticsearch/monitor/jvm/JvmGcMonitorService\$JvmMonitor\$SlowGcEvent.maxHeapUsed
 Unknown source org/elasticsearch/common/unit/ByteSizeValue.<init>(J)V
At: TimeValue.java:[line 63]
At: JvmGcMonitorService.java:[line 226]
At: JvmGcMonitorService.java:[line 231]
At: JvmGcMonitorService.java:[line 234]
At: JvmGcMonitorService.java:[line 282]
At: JvmGcMonitorService.java:[line 285]
At: JvmGcMonitorService.java:[line 286]
At: JvmStats.java:[line 363]
At: JvmStats.java:[line 506]

SECURITY This use of org/apache/logging/log4j/Logger.info(Ljava/lang/String;[Ljava/lang/Object;)V might be used to include CRLF characters into log messages
[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)
Class: org.elasticsearch.node.Node
Method: new org.elasticsearch.node.Node(Environment, Collection, boolean)
At: Node.java:[line 309]
 Sink method org/apache/logging/log4j/Logger.info(Ljava/lang/String;[Ljava/lang/Object;)V
 Sink parameter 0
 Unknown source org/elasticsearch/Build.date
 Unknown source org/elasticsearch/Build.hash
 Unknown source org/apache/lucene/util/Constants.JAVA_VERSION
 Unknown source org/apache/lucene/util/Constants.OS_ARCH
 Unknown source org/elasticsearch/Build.getQualifiedVersion()Ljava/lang/String;

Unknown source org/apache/lucene/util/Constants.JVM_VENDOR
 Unknown source org/elasticsearch/Build.version
 Unknown source org/apache/lucene/util/Constants.JVM_VERSION
 Unknown source org/apache/lucene/util/Constants.OS_NAME
 Unknown source org/elasticsearch/Build.date()Ljava/lang/String;
 Unknown source org/apache/lucene/util/Constants.JVM_NAME
 Unknown source org/elasticsearch/Build.hash()Ljava/lang/String;
 Unknown source org/elasticsearch/Build\$Flavor.displayName()Ljava/lang/String;
 Unknown source org/elasticsearch/Build\$Flavor.displayName
 Unknown source org/elasticsearch/Build\$Type.displayName()Ljava/lang/String;
 Unknown source org/apache/lucene/util/Constants.OS_VERSION
 Unknown source org/elasticsearch/Build\$Type.displayName
At: Build.java:[line 217]
At: Build.java:[line 221]
At: Build.java:[line 283]
At: Build.java:[line 57]
At: Build.java:[line 92]
At: Node.java:[line 311]
At: Node.java:[line 313]
At: Node.java:[line 314]
At: Node.java:[line 315]
At: Node.java:[line 316]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.persistent.PersistentTasksClusterService

Method: org.elasticsearch.persistent.PersistentTasksClusterService.completePersistentTask(String, long, Exception, ActionListener)

At: PersistentTasksClusterService.java:[line 152]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/persistent/PersistentTasksClusterService.completePersistentTask(Ljava/lang/String;Ljava/lang/Exception;Lorg/elastics

At: CompletionPersistentTaskAction.java:[line 158]

At: PersistentTasksClusterService.java:[line 152]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.persistent.PersistentTasksNodeService

Method: org.elasticsearch.persistent.PersistentTasksNodeService.clusterChanged(ClusterChangedEvent)

At: PersistentTasksNodeService.java:[line 118]

Sink method org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/persistent/PersistentTasksCustomMetadata\$PersistentTask.id

Unknown source org/elasticsearch/persistent/PersistentTasksCustomMetadata\$PersistentTask.taskName

Unknown source org/elasticsearch/persistent/PersistentTasksCustomMetadata\$PersistentTask.getId()Ljava/lang/String;

Unknown source org/elasticsearch/persistent/PersistentTasksCustomMetadata\$PersistentTask.getTaskName()Ljava/lang/String;

At: PersistentTasksCustomMetadata.java:[line 401]

At: PersistentTasksCustomMetadata.java:[line 409]

At: PersistentTasksNodeService.java:[line 118]

At: PersistentTasksNodeService.java:[line 119]

At: PersistentTasksNodeService.java:[line 120]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.persistent.PersistentTasksNodeService

Method: org.elasticsearch.persistent.PersistentTasksNodeService.startTask(PersistentTasksCustomMetadata\$PersistentTask)

At: PersistentTasksNodeService.java:[line 177]

Sink method org/apache/logging/log4j/Logger.error(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/persistent/PersistentTasksCustomMetadata\$PersistentTask.id

Unknown source org/elasticsearch/persistent/PersistentTasksCustomMetadata\$PersistentTask.taskName

Unknown source org/elasticsearch/persistent/PersistentTasksCustomMetadata\$PersistentTask.getId()Ljava/lang/String;

Unknown source org/elasticsearch/persistent/PersistentTasksCustomMetadata\$PersistentTask.getTaskName()Ljava/lang/String;

At: PersistentTasksCustomMetadata.java:[line 401]

At: PersistentTasksCustomMetadata.java:[line 409]

At: PersistentTasksNodeService.java:[line 177]

At: PersistentTasksNodeService.java:[line 178]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.info(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.plugins.PluginsService

Method: org.elasticsearch.plugins.PluginsService.logPluginInfo(List, String, Logger)

At: PluginsService.java:[line 202]

Sink method org/apache/logging/log4j/Logger.info(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/plugins/PluginsService.logPluginInfo(Ljava/util/List;Ljava/lang/String;Lorg/apache/logging/log4j/Logger;)V paramete
 Method usage not detected

At: PluginsService.java:[line 202]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.info(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.plugins.PluginsService

Method: org.elasticsearch.plugins.PluginsService.logPluginInfo(List, String, Logger)

At: PluginsService.java:[line 205]

Sink method org/apache/logging/log4j/Logger.info(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/plugins/PluginsService.logPluginInfo(Ljava/util/List;Ljava/lang/String;Lorg/apache/logging/log4j/Logger;)V paramete
 Unknown source java/util/Iterator.next()Ljava/lang/Object;
 Unknown source java/util/stream/Stream.collect(Ljava/util/stream/Collector;)Ljava/lang/Object;
 Method usage not detected
At: PluginsService.java:[line 204]
At: PluginsService.java:[line 205]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.repositories.blobstore.BlobStoreRepository

Method: org.elasticsearch.repositories.blobstore.BlobStoreRepository.buildBlobStoreIndexShardSnapshots(Set, BlobContainer)

At: BlobStoreRepository.java:[line 2425]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/common/blobstore/BlobContainer.path()Lorg/elasticsearch/common/blobstore/BlobPath;

At: BlobStoreRepository.java:[line 2425]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.script.ScriptService\$CacheHolder

Method: org.elasticsearch.script.ScriptService\$CacheHolder.set(String, ScriptCache)

At: ScriptService.java:[line 692]

Sink method org/apache/logging/log4j/Logger.debug(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/script/ScriptService\$CacheHolder.set(Ljava/lang/String;Lorg/elasticsearch/script/ScriptCache;)V parameter 1

Method usage not detected

At: ScriptService.java:[line 692]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.transport.RemoteClusterService

Method: org.elasticsearch.transport.RemoteClusterService.updateRemoteCluster(String, Settings, ActionListener)

At: RemoteClusterService.java:[line 323]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/transport/RemoteClusterService.updateRemoteCluster(Ljava/lang/String;Lorg/elasticsearch/common/settings/Settings;I

At: RemoteClusterAware.java:[line 60]

At: RemoteClusterService.java:[line 292]

At: RemoteClusterService.java:[line 323]

At: RemoteClusterService.java:[line 361]

At: RemoteClusterService.java:[line 368]

At: RemoteClusterService.java:[line 369]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V might be used to include CRLF characters into log message

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.transport.RemoteClusterService

Method: org.elasticsearch.transport.RemoteClusterService.updateRemoteCluster(String, Settings, ActionListener)

At: RemoteClusterService.java:[line 341]

Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;Ljava/lang/Throwable;)V

Sink parameter 1

Unknown source org/elasticsearch/transport/RemoteClusterService.updateRemoteCluster(Ljava/lang/String;Lorg/elasticsearch/common/settings/Settings;I

At: RemoteClusterAware.java:[line 60]

At: RemoteClusterService.java:[line 292]

At: RemoteClusterService.java:[line 341]

At: RemoteClusterService.java:[line 361]

At: RemoteClusterService.java:[line 368]

At: RemoteClusterService.java:[line 369]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.trace(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.transport.TransportLogger

Method: org.elasticsearch.transport.TransportLogger.logInboundMessage(TcpChannel, BytesReference)

At: TransportLogger.java:[line 42]

Sink method org/apache/logging/log4j/Logger.trace(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/Version.fromIdSlow(I)Lorg/elasticsearch/Version;

Unknown source org/elasticsearch/Version.fromId(I)Lorg/elasticsearch/Version;

Unknown source org/elasticsearch/common/collect/ImmutableOpenIntMap.get(I)Ljava/lang/Object;

Unknown source org/apache/lucene/util/CharsRef.toString()Ljava/lang/String;

Unknown source org/elasticsearch/transport/TransportLogger.logInboundMessage(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/common/b;

Unknown source org/elasticsearch/transport/TransportLogger.format(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/common/bytes/BytesRef

Unknown source org/elasticsearch/Version.<init>()Lorg/apache/lucene/util/Version;

Unknown source org/elasticsearch/common/io/stream/StreamInput.readString()Ljava/lang/String;

Unknown source org/elasticsearch/transport/TransportLogger.format(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/common/bytes/BytesRef

Unknown source org/elasticsearch/transport/TransportLogger.format(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/common/bytes/BytesRef

Unknown source com/carrotsearch/hppc/IntObjectHashMap.values

Unknown source com/carrotsearch/hppc/IntObjectHashMap.get(I)Ljava/lang/Object;

Method usage not detected

At: IntObjectHashMap.java:[line 376]

At: IntObjectHashMap.java:[line 385]

At: CharsRef.java:[line 122]

At: Version.java:[line 209]

At: Version.java:[line 213]

At: Version.java:[line 240]

At: ImmutableOpenIntMap.java:[line 62]

At: StreamInput.java:[line 528]
 At: TransportLogger.java:[line 41]
 At: TransportLogger.java:[line 78]
 At: TransportLogger.java:[line 82]
 At: TransportLogger.java:[line 91]
 At: TransportLogger.java:[line 93]
 At: TransportLogger.java:[line 94]
 At: TransportLogger.java:[line 95]
 At: TransportLogger.java:[line 96]
 At: TransportLogger.java:[line 99]
 At: TransportLogger.java:[line 113]
 At: TransportLogger.java:[line 116]
 At: TransportLogger.java:[line 126]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.trace(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.transport.TransportLogger

Method: org.elasticsearch.transport.TransportLogger.logInboundMessage(TcpChannel, InboundMessage)

At: TransportLogger.java:[line 53]

Sink method org/apache/logging/log4j/Logger.trace(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/transport/TransportLogger.format(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/transport/InboundMessage;

Unknown source org/elasticsearch/transport/TransportLogger.format(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/transport/InboundMessage;

Unknown source org/elasticsearch/transport/TransportLogger.logInboundMessage(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/transport/InboundMessage;

Unknown source org/elasticsearch/transport/Header.actionName

Unknown source org/elasticsearch/transport/Header.getActionName()Ljava/lang/String;

Unknown source org/elasticsearch/transport/TransportLogger.format(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/transport/InboundMessage;

Method usage not detected

At: Header.java:[line 91]

At: TransportLogger.java:[line 52]

At: TransportLogger.java:[line 131]

At: TransportLogger.java:[line 134]

At: TransportLogger.java:[line 146]

At: TransportLogger.java:[line 147]

At: TransportLogger.java:[line 148]

At: TransportLogger.java:[line 149]

At: TransportLogger.java:[line 153]

At: TransportLogger.java:[line 156]

At: TransportLogger.java:[line 166]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.trace(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.transport.TransportLogger

Method: org.elasticsearch.transport.TransportLogger.logOutboundMessage(TcpChannel, BytesReference)

At: TransportLogger.java:[line 69]

Sink method org/apache/logging/log4j/Logger.trace(Ljava/lang/String;)V

Sink parameter 0

Unknown source org/elasticsearch/Version.fromIdSlow(I)Lorg/elasticsearch/Version;

Unknown source org/elasticsearch/Version.fromId(I)Lorg/elasticsearch/Version;

Unknown source org/elasticsearch/common/collect/ImmutableOpenIntMap.get(I)Ljava/lang/Object;

Unknown source org/apache/lucene/util/CharsRef.toString()Ljava/lang/String;

Unknown source org/elasticsearch/transport/TransportLogger.format(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/common/bytes/BytesReference;

Unknown source org/elasticsearch/transport/TransportLogger.logOutboundMessage(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/common/bytes/BytesReference;

Unknown source org/elasticsearch/Version.<init>()Lorg/apache/lucene/util/Version;

Unknown source org/elasticsearch/common/io/stream/StreamInput.readString()Ljava/lang/String;

Unknown source org/elasticsearch/transport/TransportLogger.format(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/common/bytes/BytesReference;

Unknown source org/elasticsearch/transport/TransportLogger.format(Lorg/elasticsearch/transport/TcpChannel;Lorg/elasticsearch/common/bytes/BytesReference;

Unknown source com/carrotsearch/hppc/IntObjectHashMap.values

Unknown source com/carrotsearch/hppc/IntObjectHashMap.get(I)Ljava/lang/Object;

At: IntObjectHashMap.java:[line 376]

At: IntObjectHashMap.java:[line 385]

At: CharsRef.java:[line 122]

At: Version.java:[line 209]

At: Version.java:[line 213]

At: Version.java:[line 240]

At: ImmutableOpenIntMap.java:[line 62]

At: StreamInput.java:[line 528]

At: OutboundHandler.java:[line 198]

At: TransportLogger.java:[line 68]

At: TransportLogger.java:[line 78]

At: TransportLogger.java:[line 82]

At: TransportLogger.java:[line 91]

At: TransportLogger.java:[line 93]

At: TransportLogger.java:[line 94]

At: TransportLogger.java:[line 95]

At: TransportLogger.java:[line 96]

At: TransportLogger.java:[line 99]

At: TransportLogger.java:[line 113]

At: TransportLogger.java:[line 116]

At: TransportLogger.java:[line 126]

SECCRLFLOG This use of org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V might be used to include CRLF characters into log messages

[Bug type CRLF_INJECTION_LOGS \(click for details\)](#)

Class: org.elasticsearch.transport.TransportService

Method: org.elasticsearch.transport.TransportService.validateActionName(String)
At: TransportService.java:[line 886]
Sink method org/apache/logging/log4j/Logger.warn(Ljava/lang/String;)V
Sink parameter 0
Unknown source org/elasticsearch/transport/TransportService.VALID_ACTION_PREFIXES
Unknown source org/elasticsearch/transport/TransportService.validateActionName(Ljava/lang/String;)V **parameter** 0
Unknown source java/util/Collections.unmodifiableSet(Ljava/util/Set;)Ljava/util/Set;
At: TransportClusterAllocationExplainAction.java:[line 74]
At: TransportAddVotingConfigExclusionsAction.java:[line 70]
At: TransportClearVotingConfigExclusionsAction.java:[line 59]
At: TransportClusterHealthAction.java:[line 67]
At: TransportNodesHotThreadsAction.java:[line 46]
At: TransportNodesInfoAction.java:[line 48]
At: TransportLivenessAction.java:[line 38]
At: TransportNodesReloadSecureSettingsAction.java:[line 61]
At: TransportNodesStatsAction.java:[line 48]
At: TransportCancelTasksAction.java:[line 49]
At: TransportGetTaskAction.java:[line 76]
At: TransportListTasksAction.java:[line 52]
At: TransportNodesUsageAction.java:[line 50]
At: TransportRemoteInfoAction.java:[line 40]
At: TransportCleanupRepositoryAction.java:[line 93]
At: TransportDeleteRepositoryAction.java:[line 50]
At: TransportGetRepositoriesAction.java:[line 57]
At: TransportPutRepositoryAction.java:[line 50]
At: TransportVerifyRepositoryAction.java:[line 52]
At: TransportClusterRerouteAction.java:[line 70]
At: TransportClusterUpdateSettingsAction.java:[line 61]
At: TransportClusterSearchShardsAction.java:[line 57]
At: TransportCloneSnapshotAction.java:[line 50]
At: TransportCreateSnapshotAction.java:[line 48]
At: TransportDeleteSnapshotAction.java:[line 49]
At: TransportGetSnapshotsAction.java:[line 77]
At: TransportRestoreSnapshotAction.java:[line 48]
At: TransportNodesSnapshotsStatus.java:[line 67]
At: TransportSnapshotsStatusAction.java:[line 87]
At: TransportClusterStateAction.java:[line 63]
At: TransportClusterStatsAction.java:[line 68]
At: TransportDeleteStoredScriptAction.java:[line 47]
At: TransportGetScriptContextAction.java:[line 38]
At: TransportGetScriptLanguageAction.java:[line 35]
At: TransportGetStoredScriptAction.java:[line 47]
At: TransportPutStoredScriptAction.java:[line 47]
At: TransportPendingClusterTasksAction.java:[line 51]
At: TransportIndicesAliasesAction.java:[line 80]
At: TransportAliasesExistAction.java:[line 43]
At: TransportGetAliasesAction.java:[line 57]
At: TransportAnalyzeAction.java:[line 82]
At: TransportClearIndicesCacheAction.java:[line 54]
At: TransportCloseIndexAction.java:[line 67]
At: TransportVerifyShardBeforeCloseAction.java:[line 61]
At: AutoCreateAction.java:[line 73]
At: TransportCreateIndexAction.java:[line 49]
At: TransportDeleteDanglingIndexAction.java:[line 77]
At: TransportFindDanglingIndexAction.java:[line 58]
At: TransportImportDanglingIndexAction.java:[line 66]
At: TransportListDanglingIndicesAction.java:[line 59]
At: TransportDeleteIndexAction.java:[line 63]
At: TransportIndicesExistsAction.java:[line 48]
At: TransportTypesExistsAction.java:[line 46]
At: TransportFlushAction.java:[line 44]
At: TransportShardFlushAction.java:[line 47]
At: TransportSyncedFlushAction.java:[line 40]
At: TransportForceMergeAction.java:[line 53]
At: TransportGetIndexAction.java:[line 61]
At: TransportGetFieldMappingsAction.java:[line 50]
At: TransportGetFieldMappingsIndexAction.java:[line 74]
At: TransportGetMappingsAction.java:[line 50]
At: TransportAutoPutMappingAction.java:[line 54]
At: TransportPutMappingAction.java:[line 70]
At: TransportOpenIndexAction.java:[line 60]
At: TransportAddIndexBlockAction.java:[line 65]
At: TransportVerifyShardIndexBlockAction.java:[line 67]
At: TransportRecoveryAction.java:[line 59]
At: TransportRefreshAction.java:[line 46]
At: TransportShardRefreshAction.java:[line 49]
At: ResolveIndexAction.java:[line 448]
At: TransportRolloverAction.java:[line 70]
At: TransportIndicesSegmentsAction.java:[line 52]
At: TransportGetSettingsAction.java:[line 56]
At: TransportUpdateSettingsAction.java:[line 55]

At: TransportIndicesShardStoresAction.java:[line 81]
At: TransportResizeAction.java:[line 65]
At: TransportResizeAction.java:[line 72]
At: TransportIndicesStatsAction.java:[line 55]
At: TransportDeleteComponentTemplateAction.java:[line 52]
At: TransportDeleteComposableIndexTemplateAction.java:[line 53]
At: TransportDeleteIndexTemplateAction.java:[line 55]
At: TransportGetComponentTemplateAction.java:[line 49]
At: TransportGetComposableIndexTemplateAction.java:[line 49]
At: TransportGetIndexTemplatesAction.java:[line 49]
At: TransportSimulateIndexTemplateAction.java:[line 78]
At: TransportSimulateTemplateAction.java:[line 68]
At: TransportPutComponentTemplateAction.java:[line 55]
At: TransportPutComposableIndexTemplateAction.java:[line 49]
At: TransportPutIndexTemplateAction.java:[line 59]
At: TransportUpgradeStatusAction.java:[line 54]
At: TransportUpgradeAction.java:[line 67]
At: TransportUpgradeSettingsAction.java:[line 53]
At: TransportValidateQueryAction.java:[line 74]
At: TransportBulkAction.java:[line 136]
At: TransportShardBulkAction.java:[line 106]
At: TransportSingleItemBulkWriteAction.java:[line 46]
At: TransportDeleteAction.java:[line 38]
At: TransportExplainAction.java:[line 70]
At: TransportFieldCapabilitiesAction.java:[line 60]
At: TransportFieldCapabilitiesIndexAction.java:[line 95]
At: TransportFieldCapabilitiesIndexAction.java:[line 101]
At: TransportGetAction.java:[line 53]
At: TransportMultiGetAction.java:[line 50]
At: TransportShardMultiGetAction.java:[line 53]
At: TransportIndexAction.java:[line 45]
At: DeletePipelineTransportAction.java:[line 45]
At: GetPipelineTransportAction.java:[line 44]
At: PutPipelineTransportAction.java:[line 57]
At: SimulatePipelineTransportAction.java:[line 43]
At: TransportMainAction.java:[line 43]
At: TransportResyncReplicationAction.java:[line 71]
At: SearchTransportService.java:[line 288]
At: SearchTransportService.java:[line 293]
At: SearchTransportService.java:[line 294]
At: SearchTransportService.java:[line 299]
At: SearchTransportService.java:[line 300]
At: SearchTransportService.java:[line 306]
At: SearchTransportService.java:[line 309]
At: SearchTransportService.java:[line 315]
At: SearchTransportService.java:[line 317]
At: SearchTransportService.java:[line 322]
At: SearchTransportService.java:[line 325]
At: SearchTransportService.java:[line 330]
At: SearchTransportService.java:[line 332]
At: SearchTransportService.java:[line 337]
At: SearchTransportService.java:[line 339]
At: SearchTransportService.java:[line 344]
At: SearchTransportService.java:[line 346]
At: SearchTransportService.java:[line 351]
At: SearchTransportService.java:[line 353]
At: SearchTransportService.java:[line 358]
At: SearchTransportService.java:[line 361]
At: SearchTransportService.java:[line 365]
At: TransportClearScrollAction.java:[line 40]
At: TransportMultiSearchAction.java:[line 55]
At: TransportMultiSearchAction.java:[line 66]
At: TransportSearchAction.java:[line 134]
At: TransportSearchScrollAction.java:[line 44]
At: HandledTransportAction.java:[line 38]
At: HandledTransportAction.java:[line 43]
At: HandledTransportAction.java:[line 49]
At: HandledTransportAction.java:[line 56]
At: TransportBroadcastAction.java:[line 71]
At: TransportBroadcastAction.java:[line 78]
At: TransportBroadcastByNodeAction.java:[line 94]
At: TransportBroadcastByNodeAction.java:[line 106]
At: TransportBroadcastByNodeAction.java:[line 114]
At: TransportMasterNodeAction.java:[line 74]
At: TransportMasterNodeAction.java:[line 81]
At: TransportMasterNodeReadAction.java:[line 40]
At: TransportMasterNodeReadAction.java:[line 46]
At: TransportClusterInfoAction.java:[line 40]
At: TransportNodesAction.java:[line 82]
At: TransportNodesAction.java:[line 90]
At: TransportNodesAction.java:[line 105]

At: TransportBroadcastReplicationAction.java:[line 64]
At: TransportReplicationAction.java:[line 138]
At: TransportReplicationAction.java:[line 157]
At: TransportReplicationAction.java:[line 158]
At: TransportReplicationAction.java:[line 164]
At: TransportReplicationAction.java:[line 166]
At: TransportReplicationAction.java:[line 170]
At: TransportWriteAction.java:[line 78]
At: TransportInstanceSingleOperationAction.java:[line 75]
At: TransportInstanceSingleOperationAction.java:[line 81]
At: TransportSingleShardAction.java:[line 83]
At: TransportSingleShardAction.java:[line 87]
At: TransportSingleShardAction.java:[line 89]
At: TransportTasksAction.java:[line 83]
At: TransportTasksAction.java:[line 91]
At: TransportMultiTermVectorsAction.java:[line 51]
At: TransportShardMultiTermsVectorAction.java:[line 51]
At: TransportTermVectorsAction.java:[line 54]
At: TransportUpdateAction.java:[line 84]
At: NodeMappingRefreshAction.java:[line 56]
At: ShardStateAction.java:[line 130]
At: ShardStateAction.java:[line 134]
At: FollowersChecker.java:[line 120]
At: FollowersChecker.java:[line 122]
At: JoinHelper.java:[line 139]
At: JoinHelper.java:[line 142]
At: JoinHelper.java:[line 148]
At: JoinHelper.java:[line 156]
At: JoinHelper.java:[line 170]
At: JoinHelper.java:[line 185]
At: JoinHelper.java:[line 189]
At: LeaderChecker.java:[line 111]
At: LeaderChecker.java:[line 117]
At: PreVoteCollector.java:[line 72]
At: PublicationTransportHandler.java:[line 101]
At: PublicationTransportHandler.java:[line 104]
At: PublicationTransportHandler.java:[line 110]
At: PublicationTransportHandler.java:[line 114]
At: PeerFinder.java:[line 111]
At: PeerFinder.java:[line 115]
At: MasterFaultDetection.java:[line 95]
At: MembershipAction.java:[line 75]
At: MembershipAction.java:[line 77]
At: MembershipAction.java:[line 80]
At: NodesFaultDetection.java:[line 88]
At: PublishClusterStateAction.java:[line 119]
At: PublishClusterStateAction.java:[line 121]
At: UnicastZenPing.java:[line 135]
At: ZenDiscovery.java:[line 232]
At: LocalAllocateDangledIndices.java:[line 79]
At: TransportNodesListGatewayMetaState.java:[line 60]
At: TransportNodesListGatewayStartedShards.java:[line 85]
At: GlobalCheckpointSyncAction.java:[line 67]
At: RetentionLeaseActions.java:[line 145]
At: RetentionLeaseActions.java:[line 232]
At: RetentionLeaseActions.java:[line 192]
At: RetentionLeaseActions.java:[line 73]
At: RetentionLeaseBackgroundSyncAction.java:[line 85]
At: RetentionLeaseSyncAction.java:[line 86]
At: SyncedFlushService.java:[line 105]
At: SyncedFlushService.java:[line 107]
At: SyncedFlushService.java:[line 109]
At: PeerRecoverySourceService.java:[line 85]
At: PeerRecoverySourceService.java:[line 91]
At: PeerRecoveryTargetService.java:[line 115]
At: PeerRecoveryTargetService.java:[line 117]
At: PeerRecoveryTargetService.java:[line 119]
At: PeerRecoveryTargetService.java:[line 121]
At: PeerRecoveryTargetService.java:[line 123]
At: PeerRecoveryTargetService.java:[line 125]
At: PeerRecoveryTargetService.java:[line 127]
At: IndicesStore.java:[line 103]
At: TransportNodesListShardStoreMetadata.java:[line 86]
At: CompletionPersistentTaskAction.java:[line 134]
At: RemovePersistentTaskAction.java:[line 119]
At: StartPersistentTaskAction.java:[line 192]
At: UpdatePersistentTaskStatusAction.java:[line 150]
At: VerifyNodeRepositoryAction.java:[line 66]
At: SnapshotsService.java:[line 3125]
At: TaskCancellationService.java:[line 56]
At: TransportActionProxy.java:[line 133]

	At: TransportActionProxy.java:[line 144] At: TransportActionProxy.java:[line 153] At: TransportService.java:[line 189] At: TransportService.java:[line 886] At: TransportService.java:[line 916] At: TransportService.java:[line 938]
SECFSM	Format string argument allowing user controlled parameters Bug type FORMAT_STRING_MANIPULATION (click for details) Class: org.elasticsearch.cluster.routing.allocation.decider.Decision\$Single Method: org.elasticsearch.cluster.routing.allocation.decider.Decision\$Single.getExplanation() At: Decision.java:[line 211] Sink method java/lang/String.format(Ljava/util/Locale;Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String; Sink parameter 1 Unknown source org/elasticsearch/cluster/routing/allocation/decider/Decision\$Single.explanation At: Decision.java:[line 211]
SECFSM	Format string argument allowing user controlled parameters Bug type FORMAT_STRING_MANIPULATION (click for details) Class: org.elasticsearch.common.inject.internal.Errors Method: org.elasticsearch.common.inject.internal.Errors.format(String, Collection) At: Errors.java:[line 475] Sink method java/util/Formatter.format(Ljava/lang/String;[Ljava/lang/Object;)Ljava/util/Formatter; Sink parameter 1 Unknown source org/elasticsearch/common/inject/internal/Errors.format(Ljava/lang/String;Ljava/util/Collection;)Ljava/lang/String; parameter 1 Method usage not detected
SECFSM	Format string argument allowing user controlled parameters Bug type FORMAT_STRING_MANIPULATION (click for details) Class: org.elasticsearch.common.inject.internal.Errors Method: org.elasticsearch.common.inject.internal.Errors.format(String, Object[]) At: Errors.java:[line 451] Sink method java/lang/String.format(Ljava/util/Locale;Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String; Sink parameter 1 Unknown source org/elasticsearch/common/inject/internal/Errors.format(Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String; parameter 1 Method usage detected only with safe arguments At: EncounterImpl.java:[line 91] At: FactoryProvider.java:[line 223] At: Errors.java:[line 330] At: Errors.java:[line 430] At: Errors.java:[line 434] At: Multibinder.java:[line 323] At: Elements.java:[line 231]
SECFSM	Format string argument allowing user controlled parameters Bug type FORMAT_STRING_MANIPULATION (click for details) Class: org.elasticsearch.repositories.blobstore.ChecksumBlobStoreFormat Method: org.elasticsearch.repositories.blobstore.ChecksumBlobStoreFormat.blobName(String) At: ChecksumBlobStoreFormat.java:[line 110] Sink method java/lang/String.format(Ljava/util/Locale;Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String; Sink parameter 1 Unknown source org/elasticsearch/repositories/blobstore/ChecksumBlobStoreFormat.blobNameFormat At: ChecksumBlobStoreFormat.java:[line 110]
SECHCP	Hard coded password found Bug type HARD_CODE_PASSWORD (click for details) Class: org.elasticsearch.common.settings.KeyStoreWrapper Method: org.elasticsearch.common.settings.KeyStoreWrapper.decryptLegacyEntries() At: KeyStoreWrapper.java:[line 424] Called method java.security.KeyStore.load(InputStream, char[]) Hard coded parameter number (in reverse order) is 1 Return value of String.toCharArray() of type char[]
SECHCP	Hard coded password found Bug type HARD_CODE_PASSWORD (click for details) Class: org.elasticsearch.common.settings.KeyStoreWrapper Method: org.elasticsearch.common.settings.KeyStoreWrapper.decryptLegacyEntries() At: KeyStoreWrapper.java:[line 450] Called method new java.security.KeyStore\$PasswordProtection(char[]) Hard coded parameter number (in reverse order) is 1 Return value of String.toCharArray() of type char[]
SECPR	This random generator (java.util.Random) is predictable Bug type PREDICTABLE_RANDOM (click for details) Class: org.elasticsearch.common.Randomness Method: org.elasticsearch.common.Randomness.get(Settings, Setting) At: Randomness.java:[line 78] Value java.util.Random
SECPR	This random generator (java.util.concurrent.ThreadLocalRandom) is predictable Bug type PREDICTABLE_RANDOM (click for details) Class: org.elasticsearch.common.Randomness Method: org.elasticsearch.common.Randomness.getWithoutSeed() At: Randomness.java:[line 132] Value java.util.concurrent.ThreadLocalRandom
SECPR	This random generator (java.util.Random) is predictable Bug type PREDICTABLE_RANDOM (click for details)

Class: org.elasticsearch.discovery.DiscoveryModule
Method: new org.elasticsearch.discovery.DiscoveryModule(Settings, ThreadPool, TransportService, NamedWriteableRegistry, NetworkService, MasterService)
At: DiscoveryModule.java:[line 157]
 Value java.util.Random

SECPRI This random generator (java.util.Random) is predictable
[Bug type PREDICTABLE_RANDOM \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.bucket.terms.AbstractRareTermsAggregator
Method: org.elasticsearch.search.aggregations.bucket.terms.AbstractRareTermsAggregator.newFilter()
At: AbstractRareTermsAggregator.java:[line 83]
 Value java.util.Random

SECPRI This random generator (java.lang.Math.random()) is predictable
[Bug type PREDICTABLE_RANDOM \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.pipeline.EwmaModel
Method: org.elasticsearch.search.aggregations.pipeline.EwmaModel.neighboringModel()
At: EwmaModel.java:[line 82]
 Value java.lang.Math.random()

SECPRI This random generator (java.lang.Math.random()) is predictable
[Bug type PREDICTABLE_RANDOM \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.pipeline.HoltLinearModel
Method: org.elasticsearch.search.aggregations.pipeline.HoltLinearModel.neighboringModel()
At: HoltLinearModel.java:[line 93]
 Value java.lang.Math.random()

SECPRI This random generator (java.lang.Math.random()) is predictable
[Bug type PREDICTABLE_RANDOM \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.pipeline.HoltLinearModel
Method: org.elasticsearch.search.aggregations.pipeline.HoltLinearModel.neighboringModel()
At: HoltLinearModel.java:[line 94]
 Value java.lang.Math.random()

SECPRI This random generator (java.lang.Math.random()) is predictable
[Bug type PREDICTABLE_RANDOM \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.pipeline.HoltWintersModel
Method: org.elasticsearch.search.aggregations.pipeline.HoltWintersModel.neighboringModel()
At: HoltWintersModel.java:[line 226]
 Value java.lang.Math.random()

SECPRI This random generator (java.lang.Math.random()) is predictable
[Bug type PREDICTABLE_RANDOM \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.pipeline.HoltWintersModel
Method: org.elasticsearch.search.aggregations.pipeline.HoltWintersModel.neighboringModel()
At: HoltWintersModel.java:[line 227]
 Value java.lang.Math.random()

SECPRI This random generator (java.lang.Math.random()) is predictable
[Bug type PREDICTABLE_RANDOM \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.pipeline.SimulatedAnnealingMinimizer
Method: org.elasticsearch.search.aggregations.pipeline.SimulatedAnnealingMinimizer.minimize(MovAvgModel, EvictingQueue, double[])
At: SimulatedAnnealingMinimizer.java:[line 69]
 Value java.lang.Math.random()

SECPTI This API (java.nio.file.Paths.get(Ljava/lang/String;[Ljava/lang/String;)Ljava/nio/file/Path;) reads a file whose location might be specified by user input
[Bug type PATH_TRAVERSAL_IN \(click for details\)](#)

Class: org.elasticsearch.bootstrap.JdkJarHellCheck
Method: org.elasticsearch.bootstrap.JdkJarHellCheck.main(String[])
At: JdkJarHellCheck.java:[line 66]
 Sink method java.nio.file.Paths.get(Ljava/lang/String;[Ljava/lang/String;)Ljava/nio/file/Path;
 Sink parameter 1
 Tainted source org/elasticsearch/bootstrap/JdkJarHellCheck.main([Ljava/lang/String;)V parameter 0

SECPTI This API (java.nio.file.Paths.get(Ljava/lang/String;[Ljava/lang/String;)Ljava/nio/file/Path;) reads a file whose location might be specified by user input
[Bug type PATH_TRAVERSAL_IN \(click for details\)](#)

Class: org.elasticsearch.cli.EnvironmentAwareCommand
Method: org.elasticsearch.cli.EnvironmentAwareCommand.getConfigPath(String)
At: EnvironmentAwareCommand.java:[line 108]
 Sink method java.nio.file.Paths.get(Ljava/lang/String;[Ljava/lang/String;)Ljava/nio/file/Path;
 Sink parameter 1
 Unknown source org/elasticsearch/cli/EnvironmentAwareCommand.getConfigPath(Ljava/lang/String;)Ljava/nio/file/Path; parameter 0
 Method usage detected only with safe arguments

SECPTI This API (java.nio.file.Paths.get(Ljava/lang/String;[Ljava/lang/String;)Ljava/nio/file/Path;) reads a file whose location might be specified by user input
[Bug type PATH_TRAVERSAL_IN \(click for details\)](#)

Class: org.elasticsearch.tools.launchers.JvmOptionsParser
Method: org.elasticsearch.tools.launchers.JvmOptionsParser.main(String[])
At: JvmOptionsParser.java:[line 95]
 Sink method java.nio.file.Paths.get(Ljava/lang/String;[Ljava/lang/String;)Ljava/nio/file/Path;
 Sink parameter 1
 Tainted source org/elasticsearch/tools/launchers/JvmOptionsParser.main([Ljava/lang/String;)V parameter 0

SECPTI This API (java.nio.file.Files.createTempDirectory(Ljava/lang/String;[Ljava/nio/file/attribute/FileAttribute;)Ljava/nio/file/Path;) reads a file whose location might be specified by user input
[Bug type PATH_TRAVERSAL_IN \(click for details\)](#)

Class: org.elasticsearch.tools.launchers.Launchers
Method: org.elasticsearch.tools.launchers.Launchers.createTempDirectory(String, FileAttribute[])
At: Launchers.java:[line 66]
 Sink method java.nio.file.Files.createTempDirectory(Ljava/lang/String;[Ljava/nio/file/attribute/FileAttribute;)Ljava/nio/file/Path;
 Sink parameter 1

Class: org.elasticsearch.transport.TcpTransport
Method: org.elasticsearch.transport.TcpTransport.<static initializer for TcpTransport>()
At: TcpTransport.java:[line 514]

SECSSSRFUC This web server request could be used by an attacker to expose internal services and filesystem.

[Bug type URLCONNECTION_SSRF_FD \(click for details\)](#)

Class: org.elasticsearch.common.io.FileSystemUtils
Method: org.elasticsearch.common.io.FileSystemUtils.openFileURLStream(URL)
At: FileSystemUtils.java:[line 146]
Sink method java/net/URL.openStream()Ljava/io/InputStream;
Sink parameter 0
Unknown source org/elasticsearch/common/io/FileSystemUtils.openFileURLStream(Ljava/net/URL;)Ljava/io/InputStream; parameter 0
At: Build.java:[line 137]
At: Build.java:[line 143]

SECSSSRFUC This web server request could be used by an attacker to expose internal services and filesystem.

[Bug type URLCONNECTION_SSRF_FD \(click for details\)](#)

Class: org.elasticsearch.xpack.sql.client.ClientVersion
Method: org.elasticsearch.xpack.sql.client.ClientVersion.getManifest(URL)
At: ClientVersion.java:[line 84]
Sink method java/net/URL.openConnection()Ljava/net/URLConnection;
Sink parameter 0
Unknown source org/elasticsearch/xpack/sql/client/ClientVersion.getManifest(Ljava/net/URL;)Ljava/util/jar/Manifest; parameter 0
At: ClientVersion.java:[line 73]
At: ClientVersion.java:[line 107]

SECSSSRFUC This web server request could be used by an attacker to expose internal services and filesystem.

[Bug type URLCONNECTION_SSRF_FD \(click for details\)](#)

Class: org.elasticsearch.xpack.sql.client.JreURLConnection
Method: new org.elasticsearch.xpack.sql.client.JreURLConnection(URL, ConnectionConfiguration)
At: JreURLConnection.java:[line 80]
Sink method java/net/URL.openConnection()Ljava/net/URLConnection;
Sink parameter 0
Unknown source org/elasticsearch/xpack/sql/client/JreURLConnection.<init>(Ljava/net/URL;Lorg/elasticsearch/xpack/sql/client/ConnectionConfigura
Method usage not detected

SECSSSRFUC This web server request could be used by an attacker to expose internal services and filesystem.

[Bug type URLCONNECTION_SSRF_FD \(click for details\)](#)

Class: org.elasticsearch.xpack.sql.client.JreURLConnection
Method: new org.elasticsearch.xpack.sql.client.JreURLConnection(URL, ConnectionConfiguration)
At: JreURLConnection.java:[line 80]
Sink method java/net/URL.openConnection(Ljava/net/Proxy;)Ljava/net/URLConnection;
Sink parameter 0
Unknown source org/elasticsearch/xpack/sql/client/ProxyConfig.proxy()Ljava/net/Proxy;
Unknown source org/elasticsearch/xpack/sql/client/ProxyConfig.proxy
At: JreURLConnection.java:[line 79]
At: ProxyConfig.java:[line 51]

SECSTR2 org.elasticsearch.ingest.ConfigurationUtils\$1 is a Struts 2 endpoint

[Bug type STRUTS2_ENDPOINT \(click for details\)](#)

Class: org.elasticsearch.ingest.ConfigurationUtils\$1
At: ConfigurationUtils.java:[lines 369-372]

SECSTR2 org.elasticsearch.script.StringSortScript is a Struts 2 endpoint

[Bug type STRUTS2_ENDPOINT \(click for details\)](#)

Class: org.elasticsearch.script.StringSortScript
At: StringSortScript.java:[lines 26-34]

SECSTR2 org.elasticsearch.script.TemplateScript is a Struts 2 endpoint

[Bug type STRUTS2_ENDPOINT \(click for details\)](#)

Class: org.elasticsearch.script.TemplateScript
At: TemplateScript.java:[lines 31-48]

SECUHE Unsafe comparison of hash that are susceptible to timing attack

[Bug type UNSAFE_HASH_EQUALS \(click for details\)](#)

Class: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotStatus
Method: org.elasticsearch.action.admin.cluster.snapshots.status.SnapshotStatus.getIndices()
At: SnapshotStatus.java:[line 166]
Sink method java/lang/String.equals(Ljava/lang/Object;)Z
Sink parameter 0
Unknown source org/elasticsearch/index/Index.name
Unknown source org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotIndexShardStatus.getIndex()Ljava/lang/String;
Unknown source org/elasticsearch/index/shard/ShardId.getIndexName()Ljava/lang/String;
Unknown source java/util/Iterator.next()Ljava/lang/Object;
Unknown source org/elasticsearch/index/Index.getName()Ljava/lang/String;
At: SnapshotStatus.java:[line 160]
At: SnapshotStatus.java:[line 163]
At: BroadcastShardResponse.java:[line 43]
At: Index.java:[line 66]
At: ShardId.java:[line 68]

SECUHE Unsafe comparison of hash that are susceptible to timing attack

[Bug type UNSAFE_HASH_EQUALS \(click for details\)](#)

Class: org.elasticsearch.action.search.TransportSearchAction
Method: org.elasticsearch.action.search.TransportSearchAction.getRemoteShardsIteratorFromPointInTime(Map, SearchContextId, TimeValue, Map)
At: TransportSearchAction.java:[line 588]
Sink method java/lang/String.equals(Ljava/lang/Object;)Z
Sink parameter 0

Unknown source org/elasticsearch/action/search/SearchContextIdForNode.getClusterAlias()Ljava/lang/String;

Unknown source org/elasticsearch/action/search/SearchContextIdForNode.clusterAlias

At: SearchContextIdForNode.java:[line 60]

At: TransportSearchAction.java:[line 588]

SECUHE Unsafe comparison of hash that are susceptible to timing attack

[Bug type UNSAFE_HASH_EQUALS \(click for details\)](#)

Class: org.elasticsearch.common.settings.ConsistentSettingsService

Method: org.elasticsearch.common.settings.ConsistentSettingsService.lambda\$areAllConsistent\$0(Map, ClusterState, AtomicBoolean, Set, SecureSetting

At: ConsistentSettingsService.java:[line 130]

Sink method java/lang/String.equals(Ljava/lang/Object;)Z

Sink parameter 0

At: ConsistentSettingsService.java:[line 129]

SECUHE Unsafe comparison of hash that are susceptible to timing attack

[Bug type UNSAFE_HASH_EQUALS \(click for details\)](#)

Class: org.elasticsearch.repositories.ShardGenerations\$Builder

Method: org.elasticsearch.repositories.ShardGenerations\$Builder.retainIndicesAndPruneDeletes(Set)

At: ShardGenerations.java:[line 198]

Sink method java/lang/String.equals(Ljava/lang/Object;)Z

Sink parameter 0

SECUHE Unsafe comparison of hash that are susceptible to timing attack

[Bug type UNSAFE_HASH_EQUALS \(click for details\)](#)

Class: org.elasticsearch.rest.action.search.RestSearchAction

Method: org.elasticsearch.rest.action.search.RestSearchAction.parseSearchRequest(SearchRequest, RestRequest, XContentParser, NamedWriteableRegis

At: RestSearchAction.java:[line 168]

Sink method java/lang/String.equals(Ljava/lang/Object;)Z

Sink parameter 0

Unknown source java/util/Map.get(Ljava/lang/Object;)Ljava/lang/Object;

Unknown source org/elasticsearch/rest/RestRequest.param(Ljava/lang/String;)Ljava/lang/String;

Unknown source org/elasticsearch/rest/RestRequest.params

At: RestRequest.java:[line 294]

At: RestSearchAction.java:[line 167]

SECUHE Unsafe comparison of hash that are susceptible to timing attack

[Bug type UNSAFE_HASH_EQUALS \(click for details\)](#)

Class: org.elasticsearch.rest.action.search.RestSearchAction

Method: org.elasticsearch.rest.action.search.RestSearchAction.parseSearchRequest(SearchRequest, RestRequest, XContentParser, NamedWriteableRegis

At: RestSearchAction.java:[line 169]

Sink method java/lang/String.equals(Ljava/lang/Object;)Z

Sink parameter 0

Unknown source java/util/Map.get(Ljava/lang/Object;)Ljava/lang/Object;

Unknown source org/elasticsearch/rest/RestRequest.param(Ljava/lang/String;)Ljava/lang/String;

Unknown source org/elasticsearch/rest/RestRequest.params

At: RestRequest.java:[line 294]

At: RestSearchAction.java:[line 167]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.DocWriteRequest\$OpType

Method: org.elasticsearch.action.DocWriteRequest\$OpType.fromString(String)

At: DocWriteRequest.java:[line 220]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.admin.cluster.health.ClusterHealthResponse

Method: org.elasticsearch.action.admin.cluster.health.ClusterHealthResponse.toXContent(XContentBuilder, ToXContent\$Params)

At: ClusterHealthResponse.java:[line 320]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.admin.cluster.snapshots.get.TransportGetSnapshotsAction

Method: org.elasticsearch.action.admin.cluster.snapshots.get.TransportGetSnapshotsAction.isAllSnapshots(String[])

At: TransportGetSnapshotsAction.java:[line 230]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.admin.cluster.snapshots.get.TransportGetSnapshotsAction

Method: org.elasticsearch.action.admin.cluster.snapshots.get.TransportGetSnapshotsAction.isCurrentSnapshotsOnly(String[])

At: TransportGetSnapshotsAction.java:[line 234]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.admin.cluster.snapshots.get.TransportGetSnapshotsAction

Method: org.elasticsearch.action.admin.cluster.snapshots.get.TransportGetSnapshotsAction.masterOperation(GetSnapshotsRequest, ClusterState, ActionI

At: TransportGetSnapshotsAction.java:[line 127]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.shards.IndicesShardStoresRequest

Method: org.elasticsearch.action.admin.indices.shards.IndicesShardStoresRequest.shardStatuses(String[])

At: IndicesShardStoresRequest.java:[line 83]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse

Method: org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse.addCustomXContentFields(XContentBuilder, ToXContent\$Params)

At: IndicesStatsResponse.java:[line 140]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse

Method: org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse.addCustomXContentFields(XContentBuilder, ToXContent\$Params)

At: IndicesStatsResponse.java:[line 157]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse

Method: org.elasticsearch.action.admin.indices.stats.IndicesStatsResponse.addCustomXContentFields(XContentBuilder, ToXContent\$Params)

At: IndicesStatsResponse.java:[line 170]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.action.index.IndexRequest

Method: org.elasticsearch.action.index.IndexRequest.opType(String)

At: IndexRequest.java:[line 557]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cli.Terminal

Method: org.elasticsearch.cli.Terminal.promptYesNo(String, boolean)

At: Terminal.java:[line 156]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.coordination.ElasticsearchNodeCommand

Method: org.elasticsearch.cluster.coordination.ElasticsearchNodeCommand.confirm(Terminal, String)

At: ElasticsearchNodeCommand.java:[line 167]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.health.ClusterHealthStatus

Method: org.elasticsearch.cluster.health.ClusterHealthStatus.fromString(String)

At: ClusterHealthStatus.java:[line 72]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.health.ClusterHealthStatus

Method: org.elasticsearch.cluster.health.ClusterHealthStatus.fromString(String)

At: ClusterHealthStatus.java:[line 74]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.health.ClusterHealthStatus

Method: org.elasticsearch.cluster.health.ClusterHealthStatus.fromString(String)

At: ClusterHealthStatus.java:[line 76]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.health.ClusterIndexHealth

Method: org.elasticsearch.cluster.health.ClusterIndexHealth.toXContent(XContentBuilder, ToXContent\$Params)

At: ClusterIndexHealth.java:[line 258]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.metadata.MetadataCreateDataStreamService

Method: org.elasticsearch.cluster.metadata.MetadataCreateDataStreamService.createDataStream(MetadataCreateIndexService, ClusterState, MetadataCre

At: MetadataCreateDataStreamService.java:[line 138]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.metadata.MetadataCreateIndexService

Method: org.elasticsearch.cluster.metadata.MetadataCreateIndexService.validateIndexName(String, ClusterState)

At: MetadataCreateIndexService.java:[line 182]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.metadata.MetadataIndexTemplateService

Method: org.elasticsearch.cluster.metadata.MetadataIndexTemplateService.validate(String, Settings, List, List)

At: MetadataIndexTemplateService.java:[line 1261]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.routing.allocation.decider.ClusterRebalanceAllocationDecider\$ClusterRebalanceType

Method: org.elasticsearch.cluster.routing.allocation.decider.ClusterRebalanceAllocationDecider\$ClusterRebalanceType.parseString(String)

At: ClusterRebalanceAllocationDecider.java:[line 78]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.routing.allocation.decider.ClusterRebalanceAllocationDecider\$ClusterRebalanceType

Method: org.elasticsearch.cluster.routing.allocation.decider.ClusterRebalanceAllocationDecider\$ClusterRebalanceType.parseString(String)

At: ClusterRebalanceAllocationDecider.java:[line 80]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.cluster.routing.allocation.decider.ClusterRebalanceAllocationDecider\$ClusterRebalanceType

Method: org.elasticsearch.cluster.routing.allocation.decider.ClusterRebalanceAllocationDecider\$ClusterRebalanceType.parseString(String)

At: ClusterRebalanceAllocationDecider.java:[line 82]

SECUNI Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.common.breaker.CircuitBreaker\$Type

	Method: org.elasticsearch.common.breaker.CircuitBreaker\$Type.parseValue(String) At: CircuitBreaker.java:[line 73]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.geo.GeoDistance Method: org.elasticsearch.common.geo.GeoDistance.fromString(String) At: GeoDistance.java:[line 63]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.geo.GeoJson Method: org.elasticsearch.common.geo.GeoJson.createGeometry(String, List, GeoJson\$CoordinateNode, Boolean, boolean, boolean, DistanceUnit\$Dista At: GeoJson.java:[line 371]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.geo.GeoJson Method: org.elasticsearch.common.geo.GeoJson.orientationFromString(String) At: GeoJson.java:[line 505]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.geo.ShapeRelation Method: org.elasticsearch.common.geo.ShapeRelation.getRelationByName(String) At: ShapeRelation.java:[line 57]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.geo.builders.ShapeBuilder\$Orientation Method: org.elasticsearch.common.geo.builders.ShapeBuilder\$Orientation.fromString(String) At: ShapeBuilder.java:[line 436]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.geo.parsers.GeoWKTParser Method: org.elasticsearch.common.geo.parsers.GeoWKTParser.nextNumber(StreamTokenizer) At: GeoWKTParser.java:[line 309]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.geo.parsers.GeoWKTParser Method: org.elasticsearch.common.geo.parsers.GeoWKTParser.nextWord(StreamTokenizer) At: GeoWKTParser.java:[line 299]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.io.PathUtils Method: org.elasticsearch.common.io.PathUtils.get(URI) At: PathUtils.java:[line 72]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.regex.Regex Method: org.elasticsearch.common.regex.Regex.flagsFromString(String) At: Regex.java:[line 199]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.unit.ByteSizeValue Method: org.elasticsearch.common.unit.ByteSizeValue.parseByteSizeValue(String, ByteSizeValue, String) At: ByteSizeValue.java:[line 201]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.unit.Fuzziness Method: org.elasticsearch.common.unit.Fuzziness.build(Object) At: Fuzziness.java:[line 121]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.unit.Fuzziness Method: org.elasticsearch.common.unit.Fuzziness.parse(XContentParser) At: Fuzziness.java:[line 152]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.util.LocaleUtils Method: org.elasticsearch.common.util.LocaleUtils.parseParts(String[]) At: LocaleUtils.java:[line 87]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.xcontent.XContentType Method: org.elasticsearch.common.xcontent.XContentType.fromMediaType(String) At: XContentType.java:[line 165]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.xcontent.XContentType Method: org.elasticsearch.common.xcontent.XContentType.fromMediaType(String) At: XContentType.java:[line 172]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization.

	Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.xcontent.XContentType Method: org.elasticsearch.common.xcontent.XContentType.isSameMediaTypeOrFormatAs(String, XContentType) At: XContentType.java:[line 180]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.common.xcontent.XContentType Method: org.elasticsearch.common.xcontent.XContentType.isSameMediaTypeOrFormatAs(String, XContentType) At: XContentType.java:[line 182]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.env.Environment Method: org.elasticsearch.env.Environment.resolveRepoURL(URL) At: Environment.java:[line 239]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.geometry.utils.WellKnownText Method: org.elasticsearch.geometry.utils.WellKnownText.nextNumber(StreamTokenizer) At: WellKnownText.java:[line 513]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.geometry.utils.WellKnownText Method: org.elasticsearch.geometry.utils.WellKnownText.nextWord(StreamTokenizer) At: WellKnownText.java:[line 500]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.geometry.utils.WellKnownText Method: org.elasticsearch.geometry.utils.WellKnownText.parseGeometry(StreamTokenizer) At: WellKnownText.java:[line 267]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.http.HttpUtils Method: org.elasticsearch.http.HttpUtils.shouldCloseConnection(HttpRequest) At: HttpUtils.java:[line 32]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.http.HttpUtils Method: org.elasticsearch.http.HttpUtils.shouldCloseConnection(HttpRequest) At: HttpUtils.java:[line 33]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.MergePolicyConfig Method: org.elasticsearch.index.MergePolicyConfig.parseNoCFSRatio(String) At: MergePolicyConfig.java:[line 251]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.MergePolicyConfig Method: org.elasticsearch.index.MergePolicyConfig.parseNoCFSRatio(String) At: MergePolicyConfig.java:[line 253]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.mapper.ObjectMapper\$TypeParser Method: org.elasticsearch.index.mapper.ObjectMapper\$TypeParser.parseObjectOrDocumentTypeProperties(String, Object, Mapper\$TypeParser\$ParserC At: ObjectMapper.java:[line 220]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.mapper.TypeParsers Method: org.elasticsearch.index.mapper.TypeParsers.nodeIndexOptionValue(Object) At: TypeParsers.java:[line 218]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.mapper.TypeParsers Method: org.elasticsearch.index.mapper.TypeParsers.nodeIndexOptionValue(Object) At: TypeParsers.java:[line 220]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.mapper.TypeParsers Method: org.elasticsearch.index.mapper.TypeParsers.nodeIndexOptionValue(Object) At: TypeParsers.java:[line 222]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.mapper.TypeParsers Method: org.elasticsearch.index.mapper.TypeParsers.nodeIndexOptionValue(Object) At: TypeParsers.java:[line 224]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.GeoExecType

	Method: org.elasticsearch.index.query.GeoExecType.fromString(String) At: GeoExecType.java:[line 60]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.GeoValidationMethod Method: org.elasticsearch.index.query.GeoValidationMethod.fromString(String) At: GeoValidationMethod.java:[line 54]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.MatchPhrasePrefixQueryBuilder Method: org.elasticsearch.index.query.MatchPhrasePrefixQueryBuilder.fromXContent(XContentParser) At: MatchPhrasePrefixQueryBuilder.java:[line 260]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.MatchPhrasePrefixQueryBuilder Method: org.elasticsearch.index.query.MatchPhrasePrefixQueryBuilder.fromXContent(XContentParser) At: MatchPhrasePrefixQueryBuilder.java:[line 262]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.MatchPhraseQueryBuilder Method: org.elasticsearch.index.query.MatchPhraseQueryBuilder.fromXContent(XContentParser) At: MatchPhraseQueryBuilder.java:[line 231]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.MatchPhraseQueryBuilder Method: org.elasticsearch.index.query.MatchPhraseQueryBuilder.fromXContent(XContentParser) At: MatchPhraseQueryBuilder.java:[line 233]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.MatchQueryBuilder Method: org.elasticsearch.index.query.MatchQueryBuilder.fromXContent(XContentParser) At: MatchQueryBuilder.java:[line 515]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.MatchQueryBuilder Method: org.elasticsearch.index.query.MatchQueryBuilder.fromXContent(XContentParser) At: MatchQueryBuilder.java:[line 517]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.MultiMatchQueryBuilder Method: org.elasticsearch.index.query.MultiMatchQueryBuilder.fromXContent(XContentParser) At: MultiMatchQueryBuilder.java:[line 694]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.query.MultiMatchQueryBuilder Method: org.elasticsearch.index.query.MultiMatchQueryBuilder.fromXContent(XContentParser) At: MultiMatchQueryBuilder.java:[line 696]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.index.shard.RemoveCorruptedShardDataCommand Method: org.elasticsearch.index.shard.RemoveCorruptedShardDataCommand.confirm(String, Terminal) At: RemoveCorruptedShardDataCommand.java:[line 236]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.indices.NodeIndicesStats Method: org.elasticsearch.indices.NodeIndicesStats.toXContent(XContentBuilder, ToXContent\$Params) At: NodeIndicesStats.java:[line 195]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.plugins.Platforms Method: org.elasticsearch.plugins.Platforms.platformName(String, String) At: Platforms.java:[line 68]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.plugins.Platforms Method: org.elasticsearch.plugins.Platforms.platformName(String, String) At: Platforms.java:[line 78]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.plugins.PluginSecurity Method: org.elasticsearch.plugins.PluginSecurity.prompt(Terminal, boolean) At: PluginSecurity.java:[line 75]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.rest.action.admin.cluster.RestSnapshotsStatusAction Method: org.elasticsearch.rest.action.admin.cluster.RestSnapshotsStatusAction.prepareRequest(RestRequest, NodeClient) At: RestSnapshotsStatusAction.java:[line 59]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.rest.action.document.RestIndexAction\$CreateHandler

Method: org.elasticsearch.rest.action.document.RestIndexAction\$CreateHandler.validateOpType(String)

At: RestIndexAction.java:[line 90]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.AggregatorFactories\$Builder

Method: org.elasticsearch.search.aggregations.AggregatorFactories\$Builder.resolvePipelineAggregatorOrder(Map, Map, List, List, Collection, PipelineA

At: AggregatorFactories.java:[line 393]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.InternalOrder\$Parser

Method: org.elasticsearch.search.aggregations.InternalOrder\$Parser.parseOrderParam(XContentParser)

At: InternalOrder.java:[line 557]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.aggregations.InternalOrder\$Parser

Method: org.elasticsearch.search.aggregations.InternalOrder\$Parser.parseOrderParam(XContentParser)

At: InternalOrder.java:[line 559]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder\$Order

Method: org.elasticsearch.search.fetch.subphase.highlight.HighlightBuilder\$Order.fromString(String)

At: HighlightBuilder.java:[line 554]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.rescore.QueryRescoreMode

Method: org.elasticsearch.search.rescore.QueryRescoreMode.fromString(String)

At: QueryRescoreMode.java:[line 99]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.sort.FieldSortBuilder

Method: org.elasticsearch.search.sort.FieldSortBuilder.setNumericType(String)

At: FieldSortBuilder.java:[line 323]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.sort.ScriptSortBuilder\$ScriptSortType

Method: org.elasticsearch.search.sort.ScriptSortBuilder\$ScriptSortType.fromString(String)

At: ScriptSortBuilder.java:[line 458]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.sort.SortMode

Method: org.elasticsearch.search.sort.SortMode.fromString(String)

At: SortMode.java:[line 64]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.suggest.completion.context.ContextMapping\$Type

Method: org.elasticsearch.search.suggest.completion.context.ContextMapping\$Type.fromString(String)

At: ContextMapping.java:[line 59]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.suggest.completion.context.ContextMapping\$Type

Method: org.elasticsearch.search.suggest.completion.context.ContextMapping\$Type.fromString(String)

At: ContextMapping.java:[line 61]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.suggest.phrase.DirectCandidateGeneratorBuilder

Method: org.elasticsearch.search.suggest.phrase.DirectCandidateGeneratorBuilder.resolveDistance(String)

At: DirectCandidateGeneratorBuilder.java:[line 463]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.suggest.phrase.DirectCandidateGeneratorBuilder

Method: org.elasticsearch.search.suggest.phrase.DirectCandidateGeneratorBuilder.resolveSuggestMode(String)

At: DirectCandidateGeneratorBuilder.java:[line 450]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.search.suggest.term.TermSuggestionBuilder\$StringDistanceImpl

Method: org.elasticsearch.search.suggest.term.TermSuggestionBuilder\$StringDistanceImpl.resolve(String)

At: TermSuggestionBuilder.java:[line 580]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.snapshots.SnapshotsService

Method: org.elasticsearch.snapshots.SnapshotsService.validate(String, String)

At: SnapshotsService.java:[line 775]

SECUNI

Improper handling of Unicode transformations such as case mapping and normalization.

[Bug type IMPROPER_UNICODE \(click for details\)](#)

Class: org.elasticsearch.xpack.sql.cli.CliRepl

	Method: org.elasticsearch.xpack.sql.cli.CliRepl.isExit(String) At: CliRepl.java:[line 78]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.xpack.sql.cli.command.ServerInfoCliCommand Method: org.elasticsearch.xpack.sql.cli.command.ServerInfoCliCommand.doHandle(CliTerminal, CliSession, String) At: ServerInfoCliCommand.java:[line 21]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.xpack.sql.client.UriUtils\$CredentialsRedaction Method: org.elasticsearch.xpack.sql.client.UriUtils\$CredentialsRedaction.redactAttributeInString(String, String, Character) At: UriUtils.java:[line 104]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.xpack.sql.client.UriUtils\$CredentialsRedaction Method: org.elasticsearch.xpack.sql.client.UriUtils\$CredentialsRedaction.redactCredentialsInConnectionString(String) At: UriUtils.java:[line 245]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.xpack.sql.client.UriUtils\$CredentialsRedaction Method: org.elasticsearch.xpack.sql.client.UriUtils\$CredentialsRedaction.redactCredentialsInConnectionString(String) At: UriUtils.java:[line 246]
SECUNI	Improper handling of Unicode transformations such as case mapping and normalization. Bug type IMPROPER_UNICODE (click for details) Class: org.elasticsearch.xpack.sql.client.UriUtils\$CredentialsRedaction Method: org.elasticsearch.xpack.sql.client.UriUtils\$CredentialsRedaction.redactCredentialsInConnectionString(String) At: UriUtils.java:[line 255]

Details

EI_EXPOSE_REP: May expose internal representation by returning reference to mutable object

Returning a reference to a mutable object value stored in one of the object's fields exposes the internal representation of the object. If instances are accessed by untrusted code, and unchecked changes to the mutable object would compromise security or other important properties, you will need to do something different. Returning a new copy of the object is better approach in many situations.

EI_EXPOSE_REP2: May expose internal representation by incorporating reference to mutable object

This code stores a reference to an externally mutable object into the internal representation of the object. If instances are accessed by untrusted code, and unchecked changes to the mutable object would compromise security or other important properties, you will need to do something different. Storing a copy of the object is better approach in many situations.

INFORMATION_EXPOSURE_THROUGH_AN_ERROR_MESSAGE: Information Exposure Through An Error Message

The sensitive information may be valuable information on its own (such as a password), or it may be useful for launching other, more deadly attacks. If an attack fails, an attacker may use error information provided by the server to launch another more focused attack. For example, an attempt to exploit a path traversal weakness (CWE-22) might yield the full pathname of the installed application. In turn, this could be used to select the proper number of ".." sequences to navigate to the targeted file. An attack using SQL injection (CWE-89) might not initially succeed, but an error message could reveal the malformed query, which would expose query logic and possibly even passwords or other sensitive information used within the query.

Vulnerable Code:

```
try {
    out = httpResponse.getOutputStream()
} catch (Exception e) {
    e.printStackTrace(out);
}
```

References

[CWE-209: Information Exposure Through an Error Message](#)

[CWE-211: Information Exposure Through Externally-Generated Error Message](#)

MS_MUTABLE_COLLECTION_PKGPROTECT: Field: is a mutable collection which should be package protected

A mutable collection instance is assigned to a final static field, thus can be changed by malicious code or by accident from another package. The **Field:** could be made package protected to avoid this vulnerability. Alternatively you may wrap this **Field:** into Collections.unmodifiableSet/List/Map/etc. to avoid this vulnerability.

MS_SHOULD_BE_FINAL: Field: isn't final but should be

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.

MS_PKGPROTECT: Field: should be package protected

A mutable static **Field**: could be changed by malicious code or by accident. The **Field**: could be made package protected to avoid this vulnerability.

The method is typically used to ensure that a single value is associated with a given key (the first value for which put if absent succeeds). If you ignore the return value and retain a reference to the value passed in, you run the risk of retaining a value that is not the one that is associated with the key in the map. If it matters which one you use and you use the one that isn't stored in the map, your program will behave incorrectly.

COMMAND_INJECTION: Potential Command Injection

The highlighted API is used to execute a system command. If unfiltered input is passed to this API, it can lead to arbitrary command execution.

Vulnerable Code:

```
import java.lang.Runtime; Runtime r = Runtime.getRuntime();
r.exec("/bin/sh -c some_tool" + input);
```

References

[OWASP: Command Injection](#)

[OWASP: Top 10 2013-A1-Injection](#)

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

CRLF_INJECTION_LOGS: Potential CRLF Injection for logs

When data from an untrusted source is put into a logger and not neutralized correctly, an attacker could forge log entries or include malicious content. Inserted false entries could be used to skew statistics, distract the administrator or even to implicate another party in the commission of a malicious act. If the log file is processed automatically, the attacker can render the file unusable by corrupting the format of the file or injecting unexpected characters. An attacker may also inject code or other commands into the log file and take advantage of a vulnerability in the log processing utility (e.g. command injection or XSS).

Code at risk:

```
String val = request.getParameter("user");
String metadata = request.getParameter("metadata");
[...]
if(authenticated) {
    log.info("User " + val + " (" + metadata + ") was authenticated successfully");
}
else {
    log.info("User " + val + " (" + metadata + ") was not authenticated");
}
```

A malicious user could send the metadata parameter with the value: "Firefox) was authenticated successfully\r\n[INFO] User bbb (Internet Explorer".

Solution:

You can manually sanitize each parameter.

```
log.info("User " + val.replaceAll("[\r\n]", "") + " (" + userAgent.replaceAll("[\r\n]", "") + ") was not authenticated");
```

You can also configure your logger service to replace new line for all message events. Here is sample configuration for LogBack [using the replace function](#).

```
<pattern>%-5level - %replace(%msg){'\r\n', ''}%n</pattern>
```

Finally, you can use a logger implementation that replace new line by spaces. The project [OWASP Security Logging](#) has an implementation for Logback and Log4j.

References

[CWE-117: Improper Output Neutralization for Logs](#)

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

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

[OWASP Security Logging](#)

FORMAT_STRING_MANIPULATION: Format String Manipulation

Allowing user input to control format parameters could enable an attacker to cause exceptions to be thrown or leak information.

Attackers may be able to modify the format string argument, such that an exception is thrown. If this exception is left uncaught, it may crash the application. Alternatively, if sensitive information is used within the unused arguments, attackers may change the format string to reveal this information.

The example code below lets the user specify the decimal points to which it shows the balance. The user can in fact specify anything causing an exception to be thrown which could lead to application failure. Even more critical within this example, if an attacker can specify the user input "2f %3\$s %4\$.2", the format string would be "The customer: %s %s has the balance %4\$.2f %3\$s %4\$.2". This would then lead to the sensitive accountNo to be included within the resulting string.

Vulnerable Code:

```
Formatter formatter = new Formatter(Locale.US);
String format = "The customer: %s %s has the balance %4$." + userInput + "f";
formatter.format(format, firstName, lastName, accountNo, balance);
```

Solution:

Avoid using user controlled values in the format string argument.

References

[CWE-134: Use of Externally-Controlled Format String](#)

HARD_CODE_PASSWORD: Hard coded password

Passwords should not be kept in the source code. The source code can be widely shared in an enterprise environment, and is certainly shared in open source. To be managed safely, passwords and secret keys should be stored in separate configuration files or keystores. (Hard coded keys are reported separately by *Hard Coded Key* pattern)

Vulnerable Code:

```
private String SECRET_PASSWORD = "letMeIn!"; Properties props = new Properties();
props.put(Context.SECURITY_CREDENTIALS, "p@ssw0rd");
```

References

[CWE-259: Use of Hard-coded Password](#)

PREDICTABLE_RANDOM: Predictable pseudorandom number generator

The use of a predictable random value can lead to vulnerabilities when used in certain security critical contexts. For example, when the value is used as:

- a CSRF token: a predictable token can lead to a CSRF attack as an attacker will know the value of the token
- a password reset token (sent by email): a predictable password token can lead to an account takeover, since an attacker will guess the URL of the "change password" form
- any other secret value

A quick fix could be to replace the use of `java.util.Random` with something stronger, such as `java.security.SecureRandom`.

Vulnerable Code:

```
String generateSecretToken() {
    Random r = new Random();
    return Long.toHexString(r.nextLong());
}
```

Solution:

```
import org.apache.commons.codec.binary.Hex; String generateSecretToken() {
    SecureRandom secRandom = new SecureRandom(); byte[] result = new byte[32];
    secRandom.nextBytes(result);
    return Hex.encodeHexString(result);
}
```

References

[Cracking Random Number Generators - Part 1 \(https://jazzy.id.au\)](https://jazzy.id.au)

[CERT: MSC02-J. Generate strong random numbers](#)

[CWE-330: Use of Insufficiently Random Values](#)

[Predicting Struts CSRF Token \(Example of real-life vulnerability and exploitation\)](#)

PATH_TRAVERSAL_IN: Potential Path Traversal (file read)

A file is opened to read its content. The filename comes from an **input** parameter. If an unfiltered parameter is passed to this file API, files from an arbitrary filesystem location could be read.

This rule identifies **potential** path traversal vulnerabilities. In many cases, the constructed file path cannot be controlled by the user. If that is the case, the reported instance is a false positive.

Vulnerable Code:

```
@GET
@Path("/images/{image}")
@Produces("images/*")
public Response getImage(@javax.ws.rs.PathParam("image") String image) {
    File file = new File("resources/images/", image); //Weak point if (!file.exists()) {
    return Response.status(Status.NOT_FOUND).build();
    } return Response.ok().entity(new FileInputStream(file)).build();
}
```

Solution:

```
import org.apache.commons.io.FileUtils; @GET
@Path("/images/{image}")
@Produces("images/*")
public Response getImage(@javax.ws.rs.PathParam("image") String image) {
    File file = new File("resources/images/", FileUtils.getName(image)); //Fix if (!file.exists()) {
    return Response.status(Status.NOT_FOUND).build();
    } return Response.ok().entity(new FileInputStream(file)).build();
}
```


References[WASC: Path Traversal](#)[OWASP: Path Traversal](#)[CAPEC-126: Path Traversal](#)[CWE-22: Improper Limitation of a Pathname to a Restricted Directory \('Path Traversal'\)](#)**REDOS: Regex DOS (ReDOS)**

Regular expressions (Regex) are frequently subject to Denial of Service (DOS) attacks (called ReDOS). This is due to the fact that regex engines may take a large amount of time when analyzing certain strings, depending on how the regex is defined.

For example, for the regex: `^(a+)+$`, the input "aaaaaaaaaaaaaax" will cause the regex engine to analyze 65536 different paths.^[1] Example taken from OWASP references

Therefore, it is possible that a single request may cause a large amount of computation on the server side. The problem with this regex, and others like it, is that there are two different ways the same input character can be accepted by the Regex due to the + (or a *) inside the parenthesis, and the + (or a *) outside the parenthesis. The way this is written, either + could consume the character 'a'. To fix this, the regex should be rewritten to eliminate the ambiguity. For example, this could simply be rewritten as: `^a+$`, which is presumably what the author meant anyway (any number of a's). Assuming that's what the original regex meant, this new regex can be evaluated quickly, and is not subject to ReDOS.

References[Sebastian Kubeck's Weblog: Detecting and Preventing ReDoS Vulnerabilities](#)^[1] [OWASP: Regular expression Denial of Service](#)[CWE-400: Uncontrolled Resource Consumption \('Resource Exhaustion'\)](#)**URLConnection_SSRF_FD: URLConnection Server-Side Request Forgery (SSRF) and File Disclosure**

Server-Side Request Forgery occur when a web server executes a request to a user supplied destination parameter that is not validated. Such vulnerabilities could allow an attacker to access internal services or to launch attacks from your web server.

URLConnection can be used with file:// protocol or other protocols to access local filesystem and potentially other services.

Vulnerable Code:

```
new URL(String url).openConnection()
```

```
new URL(String url).openStream()
```

```
new URL(String url).getContent()
```

Solution/Countermeasures:

- Don't accept URL destinations from users
- Accept a destination key, and use it to look up the target destination associate with the key
- White list URLs (if possible)
- Validate that the beginning of the URL is part of a white list

References[CWE-918: Server-Side Request Forgery \(SSRF\)](#)[Understanding Server-Side Request Forgery](#)[CWE-73: External Control of File Name or Path](#)[Abusing jar:// downloads](#)**STRUTS2_ENDPOINT: Found Struts 2 endpoint**

In Struts 2, the endpoints are Plain Old Java Objects (POJO) which means no Interface/Class needs to be implemented/extended.

When a request is routed to its controller (like the selected class), the supplied HTTP parameters are automatically mapped to setters for the class. Therefore, all setters of this class should be considered as untrusted input even if the form doesn't include those values. An attacker can simply provide additional values in the request, and they will be set in the object anyway, as long as that object has such a setter. The use of these parameters should be reviewed to make sure they are used safely.

UNSAFE_HASH_EQUALS: Unsafe hash equals

An attacker might be able to detect the value of the secret hash due to the exposure of comparison timing. When the functions `Arrays.equals()` or `String.equals()` are called, they will exit earlier if fewer bytes are matched.

Vulnerable Code:

```
String actualHash = ...if(userInput.equals(actualHash)) {
    ...
}
```

Solution:

```
String actualHash = ...if(MessageDigest.isEqual(userInput.getBytes(),actualHash.getBytes())) {  
    ...  
}
```

References

[CWE-203: Information Exposure Through DiscrepancyKey](#)

IMPROPER_UNICODE: Improper handling of Unicode transformations

Unexpected behavior in unicode transformations can sometimes lead to bugs, some of them affecting software security. A code that applies the uppercase transformation to two strings could mistakenly interpret both strings as being equal.

In the code bellow, the string "ADM\u0131N" would cause the condition to be true. When the uppercase transformation is applied, the character '\u0131' will become '\u0049' (I). It can be an issue if the developer only one user to be "ADMIN".

```
if(username.toUpperCase().equals("ADMIN")) {  
    //...  
}
```

Similar characters transformations can occurs with normalization functions. In the code bellow, the string "BAC\u212AUP" would cause the condition to be true. When the normalization transformation is applied, the character '\u212A' will become '\u0048' (K).

```
if(Normalizer.normalize(input, Normalizer.Form.NFC).equals("BACKUP")) {  
    //...  
}
```

References

[Unicode for Security Professionals](#)

[Unicode Security Guide: Character Transformations](#)

[CWE-176: Improper Handling of Unicode Encoding](#)

[Unicode: Unicode Security Considerations](#)