

Upgrade Vulnerable Direct Dependencies

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Mentee: SDC Security Requirements

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Required Upgrades

| Package | Vulnerable versions | Target Version |
|-------------------------------------|------------------------------|----------------|
| log4j | 1.2.15 & 1.2.17 | 2.13.1 |
| jackson-databind/Jackson-mapper-asl | 2.9.6& 2.9.9/1.9.13& 1.9.2 | 2.11.0 |
| Netty-all/netty-handler | 4.1.36.final | 4.1.48.final |
| commons-configuration2 | 2.3 & 2.4 | 2.7 |
| spring-web/Spring-webmvc | 4.3.18.RELEASE/5.0.9.RELEASE | 5.2.7.RELEASE |
| testng | 6.11.0 & 6.14.3 | 7.2.0 |
| snakeyaml | 1.18,1.21,1.17,1.15 & 1.14 | 1.26 |
| guava | 18.0,20.0 & 21.0 | 29.0-jre |
| Commons-codec | 1.9,1.10 & 1.11 | 1.14 |
| Togglz-console | 2.4.1.Final | 2.6.1.Final |
| commons-beanutils | 1.9.3 | 1.9.4 |
| Springfox-swagger-ui | 2.9.2 & 2.3.0 | 3.23.11 |
| com.springsource.com.jcraft.jsch | 0.1.41 | ??? |

Maven Dependency Only Upgrades

| Package | Vulnerable versions | Target Version |
|-------------------------|---------------------|----------------|
| Netty-all/netty-handler | 4.1.36.final | 4.1.48.final |
| Togglz-console | 2.4.1.Final | 2.6.1.Final |
| commons-beanutils | 1.9.3 | 1.9.4 |

- These upgrades didn't require any code changes

Upgrades with code/tests changes

| Package | Vulnerable versions | Target Version |
|-------------------------------------|------------------------------|----------------|
| log4j | 1.2.15 & 1.2.17 | 2.13.1 |
| jackson-databind/Jackson-mapper-asl | 2.9.6& 2.9.9/1.9.13& 1.9.2 | 2.11.0 |
| commons-configuration2 | 2.3 & 2.4 | 2.7 |
| spring-web/Spring-webmvc | 4.3.18.RELEASE/5.0.9.RELEASE | 5.2.7.RELEASE |
| testng | 6.11.0 & 6.14.3 | 7.2.0 |
| snakeyaml | 1.18,1.21,1.17,1.15 & 1.14 | 1.26 |
| guava | 18.0,20.0 & 21.0 | 29.0-jre |
| Commons-codec | 1.9,1.10 & 1.11 | 1.14 |
| Springfox-swagger-ui | 2.9.2 & 2.3.0 | 3.23.11 |
| Com.springsource.com.jcraft.jsch | 0.1.41 | ??? |

- Some packages requires code changes
- Others, required tests upgrades

log4j upgrade

1. Upgrade Maven pom.xml dependencies
2. Totally changes configuration file (.xml & .properties) and rename from log4j.* to log4j2.*
3. Upgrade Docker_run.sh to reflect the new configuration file names
4. Modify package imports to reflect log4j2 packages
 - a) `import org.apache.log4j.Logger;` to
 - b) `import org.apache.logging.log4j.LogManager;`
`import org.apache.logging.log4j.Logger;`
5. Code level upgrade of:
 - a) Remove `org.apache.log4j.lf5.util.ResourceUtils` as it was never used
 - b) Change `org.apache.log4j.PropertyConfigurator` to `org.apache.logging.log4j.core.LoggerContext`

jackson-databind upgrade

1. Upgrade Maven pom.xml dependencies
2. Packages names completely changed from `org.codehaus.jackson.map.*` to `com.fasterxml.jackson.databind`
3. Changes are required to reflect the new packages names in .java files as well as beans-services.xml files

testng upgrade

1. Only Maven pom.xml upgrade

2. We got an error in startTest.log

TestNG by default disables loading DTD from unsecured Urls. If you need to explicitly load the DTD from a http url, please do so by using the JVM argument [-Dtestng.dtd.http=true]

at org.testng.xml.TestNGContentHandler.resolveEntity(TestNGContentHandler.java:114)

at

com.sun.org.apache.xerces.internal.util.EntityResolverWrapper.resolveEntity(EntityResolverWrapper.java:110)

at

com.sun.org.apache.xerces.internal.impl.XMLEntityManager.resolveEntityAsPerStax(XMLEntityManager.java:997)

at

com.sun.org.apache.xerces.internal.impl.XMLDocumentScannerImpl\$DTDDriver.dispatch(XMLDocumentScannerImpl.java:1151)

at

com.sun.org.apache.xerces.internal.impl.XMLDocumentScannerImpl\$DTDDriver.next(XMLDocumentScannerImpl.java:1045)

testng upgrade

```
prince@Inspiron-7570:~/workspace/ONAP/sdc$ grep -rI ' <!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">' .
./test-apis-ci/testng.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/onapApiSanity.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/property.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/general.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/normatives.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/product.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/CRUDArtifacts.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/ExternalApiSanity.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/externalAPIs.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/service.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/SearchExternalAPI.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/productAPIs.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/resource.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/testngLifeCycle.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/ciFull.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/sanity.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
./test-apis-ci/target/classes/ci/testSuites/imports.xml:<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
```


testing upgrade

Tests

| | |
|---|---------|
| changeInstanceNameInVfTest Aug 13, 2020 11:34:07 PM | Pass |
| updateService Aug 13, 2020 11:34:51 PM | Pass |
| onapOnboardVNFflow infra.zip Aug 13, 2020 11:35:13 PM | Fail |
| onapOnboardVSPValidationsSanityFlow infra.zip Aug 13, 2020 11:39:37 PM | Pass |
| onboardPNFSoftwareInformationFlow sample-pnf-1.0.1-SNAPS HOT.csar Aug 13, 2020 11:40:41 PM | Fail |
| addPmDictionaryDeploymentArtifactToPnfAndCheckMagnifierTest Aug 13, 2020 11:41:24 PM | Warning |
| addVesEventsDeploymentArtifactToVfAndCheckMagnifierTest Aug 13, 2020 11:42:10 PM | Warning |

changeInstanceNameInVfTest

Aug 13, 2020 11:34:07 PM Aug 13, 2020 11:34:51 PM

sanity-Vf

| Status | Timestamp | Details |
|--------|-------------|------------------------------|
| | 11:34:10 PM | Login as user 'cs0008', |
| | 11:34:33 PM | File repository is : /var/ |
| | 11:34:33 PM | Going to create a new \ |
| | 11:34:39 PM | Clicking on the CREATE |
| | 11:34:44 PM | Succeeded. |
| | 11:34:47 PM | Going to COMPOSITION |
| | 11:34:48 PM | Click on element with : |
| | 11:34:49 PM | Success |
| | 11:34:49 PM | Finished the test with t |

testng upgrade

3. To solve this issue:

a) Add JVM argument [-Dtestng.dtd.http=true]

b) In all testng xml files, change all DTD urls from http to https

- Solved the issue, BE sanity tests passed, but two FE tests are failing mainly with timeout exceptions [Update: All tests passed]

a) Use a local copy of that DTD [didn't work so far]

Upgrades that require tests changes snakeyaml

```
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 18.045 s
[INFO] Finished at: 2020-08-13T23:22:35-04:00
[INFO] -----
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-compiler-plugin:3.8.0:compile (default-compile) on project onap-tosca-datatype: Compilation failure
: Compilation failure:
[ERROR] /home/prince/workspace/ONAP/sdc/common/onap-tosca-datatype/src/main/java/org/onap/sdc/tosca/services/YamlUtil.java:[247,29] createPropertySet(java.lang.C
lass<? extends java.lang.Object>,org.yaml.snakeyaml.introspector.BeanAccess) in org.onap.sdc.tosca.services.YamlUtil.MyPropertyUtils cannot override createProper
tySet(java.lang.Class<? extends java.lang.Object>,org.yaml.snakeyaml.introspector.BeanAccess) in org.yaml.snakeyaml.introspector.PropertyUtils
[ERROR] overridden method does not throw java.beans.IntrospectionException
[ERROR] /home/prince/workspace/ONAP/sdc/common/onap-tosca-datatype/src/main/java/org/onap/sdc/tosca/services/YamlUtil.java:[254,21] getProperty(java.lang.Class<?
>,java.lang.String) in org.onap.sdc.tosca.services.YamlUtil.MyPropertyUtils cannot override getProperty(java.lang.Class<? extends java.lang.Object>,java.lang.Str
ing) in org.yaml.snakeyaml.introspector.PropertyUtils
[ERROR] overridden method does not throw java.beans.IntrospectionException
[ERROR] /home/prince/workspace/ONAP/sdc/common/onap-tosca-datatype/src/main/java/org/onap/sdc/tosca/services/YamlUtil.java:[278,5] method does not override or im
plement a method from a supertype
[ERROR] /home/prince/workspace/ONAP/sdc/common/onap-tosca-datatype/src/main/java/org/onap/sdc/tosca/services/YamlUtil.java:[280,49] method createDefaultMap in cl
ass org.yaml.snakeyaml.constructor.BaseConstructor cannot be applied to given types;
[ERROR]   required: int
[ERROR]   found: no arguments
[ERROR]   reason: actual and formal argument lists differ in length
[ERROR] /home/prince/workspace/ONAP/sdc/common/onap-tosca-datatype/src/main/java/org/onap/sdc/tosca/services/ToscaExtensionYamlUtil.java:[54,25] getProperty(java
.lang.Class<? extends java.lang.Object>,java.lang.String) in org.onap.sdc.tosca.services.ToscaExtensionYamlUtil.ToscaPropertyUtilsWithHeatExtension cannot overri
de getProperty(java.lang.Class<? extends java.lang.Object>,java.lang.String) in org.yaml.snakeyaml.introspector.PropertyUtils
[ERROR] overridden method does not throw java.beans.IntrospectionException
[ERROR] -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException
[ERROR]
[ERROR] After correcting the problems, you can resume the build with the command
[ERROR] mvn <args> -rf :onap-tosca-datatype
prince@Inspiron-7570:~/workspace/ONAP/sdc$
```

Upgrade snakeyaml solving compile errors

```
INFO] -----  
INFO] BUILD FAILURE  
INFO] -----  
INFO] Total time: 01:39 min  
INFO] Finished at: 2020-08-13T23:38:50-04:00  
INFO] -----  
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-surefire-plugin:2.22.2:test (default-test) on project openecomp-sdc-validation-impl: There are test failures.  
[ERROR] Please refer to /home/prince/workspace/ONAP/sdc/openecomp-be/lib/openecomp-sdc-validation-lib/openecomp-sdc-validation-impl/target/surefire-reports for the individual test results.  
[ERROR] Please refer to dump files (if any exist) [date].dump, [date]-jvmRun[N].dump and [date].dumpstream.  
[ERROR] -> [Help 1]  
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.  
[ERROR] Re-run Maven using the -X switch to enable full debug logging.  
[ERROR] For more information about the errors and possible solutions, please read the following articles:  
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException  
[ERROR] After correcting the problems, you can resume the build with the command  
[ERROR] mvn <args> -rf :openecomp-sdc-validation-impl  
prince@Inspiron-7570:~/workspace/ONAP/sdc$
```

Upgrade snakeyaml

Failed tests

```
org.openecomp.sdc.validation.impl.validators.HeatResourceValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.HeatResourceValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.heatresource.VirtualMachineInterfaceValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.heatresource.VirtualMachineInterfaceValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.HeatValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.HeatValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.ManifestValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.ManifestValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.ContrailServiceInstanceNamingConventionValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.ContrailServiceInstanceNamingConventionValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.ContrailServiceTemplateNameNamingConventionValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.ContrailServiceTemplateNameNamingConventionValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.NeutronPortNamingConventionValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.NeutronPortNamingConventionValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.NovaServerNamingConventionGuidelineValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.NovaServerNamingConventionGuidelineValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.VirtualMachineInterfaceGuidelineValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.namingconvention.VirtualMachineInterfaceGuidelineValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.SharedResourceGuidelineValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.SharedResourceGuidelineValidatorTest.txt
org.openecomp.sdc.validation.impl.validators.YamlValidatorTest-output.txt
org.openecomp.sdc.validation.impl.validators.YamlValidatorTest.txt
TEST-org.openecomp.sdc.validation.impl.validators.ContrailValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.ErrorMessageTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.ForbiddenResourceGuidelineValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.heatresource.ContrailNetworkPolicyResourceValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.heatresource.NestedResourceValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.heatresource.NeutronPortResourceValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.heatresource.NeutronSecurityGroupResourceValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.heatresource.NovaServerGroupResourceValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.heatresource.NovaServerResourceValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.heatresource.ResourceGroupResourceValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.HeatResourceValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.heatresource.VirtualMachineInterfaceValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.HeatValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.ManifestValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.namingconvention.ContrailServiceInstanceNamingConventionValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.namingconvention.ContrailServiceTemplateNameNamingConventionValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.namingconvention.NeutronPortNamingConventionValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.namingconvention.NovaServerNamingConventionGuidelineValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.namingconvention.VirtualMachineInterfaceGuidelineValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.SharedResourceGuidelineValidatorTest.xml
TEST-org.openecomp.sdc.validation.impl.validators.YamlValidatorTest.xml
prince@Inspiron-7570:~/workspace/ONAP/sdc/openecomp-be/lib/openecomp-sdc-validation-lib/openecomp-sdc-validation-impl/target/surefire-reports$
```

Upgrade snakeyaml

GNU nano 2.5.3

File: org.openecomp.sdc.validation.impl.validators.ContrailValidatorTest-output.txt

```
at java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.java:472)
at java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.java:150)
at java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEachOps.java:173)
at java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
at java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:485)
at org.junit.vintage.engine.VintageTestEngine.executeAllChildren(VintageTestEngine.java:82)
at org.junit.vintage.engine.VintageTestEngine.execute(VintageTestEngine.java:73)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:220)
at org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$6(DefaultLauncher.java:188)
at org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStreams(DefaultLauncher.java:202)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:181)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:128)
at org.apache.maven.surefire.junitplatform.JUnit4PlatformProvider.invokeAllTests(JUnit4PlatformProvider.java:150)
at org.apache.maven.surefire.junitplatform.JUnit4PlatformProvider.invoke(JUnit4PlatformProvider.java:124)
at org.apache.maven.surefire.booter.ForkedBooter.invokeProviderInSameClassLoader(ForkedBooter.java:384)
at org.apache.maven.surefire.booter.ForkedBooter.runSuitesInProcess(ForkedBooter.java:345)
at org.apache.maven.surefire.booter.ForkedBooter.execute(ForkedBooter.java:126)
at org.apache.maven.surefire.booter.ForkedBooter.main(ForkedBooter.java:418)
```

Caused by: org.yaml.snakeyaml.scanner.ScannerException: while scanning for the next token
found character '\t(TAB)' that cannot start any token. (Do not use \t(TAB) for indentation)
in 'reader', line 10, column 1:

```
resources:
```

^

```
at org.yaml.snakeyaml.scanner.ScannerImpl.fetchMoreTokens(ScannerImpl.java:419)
at org.yaml.snakeyaml.scanner.ScannerImpl.checkToken(ScannerImpl.java:227)
at org.yaml.snakeyaml.parser.ParserImpl$ParseBlockMappingKey.produce(ParserImpl.java:558)
at org.yaml.snakeyaml.parser.ParserImpl.peekEvent(ParserImpl.java:158)
at org.yaml.snakeyaml.parser.ParserImpl.checkEvent(ParserImpl.java:148)
at org.yaml.snakeyaml.composer.Composer.composeMappingNode(Composer.java:235)
at org.yaml.snakeyaml.composer.Composer.composeNode(Composer.java:162)
at org.yaml.snakeyaml.composer.Composer.composeValueNode(Composer.java:257)
at org.yaml.snakeyaml.composer.Composer.composeMappingChildren(Composer.java:248)
at org.yaml.snakeyaml.composer.Composer.composeMappingNode(Composer.java:236)
at org.yaml.snakeyaml.composer.Composer.composeNode(Composer.java:162)
at org.yaml.snakeyaml.composer.Composer.composeValueNode(Composer.java:257)
at org.yaml.snakeyaml.composer.Composer.composeMappingChildren(Composer.java:248)
at org.yaml.snakeyaml.composer.Composer.composeMappingNode(Composer.java:236)
at org.yaml.snakeyaml.composer.Composer.composeNode(Composer.java:162)
```

Upgrade snakeyaml

GNU nano 2.5.3

File: org.openecomp.sdc.validation.impl.validators.YamlValidatorTest.txt

```
-----  
Test set: org.openecomp.sdc.validation.impl.validators.YamlValidatorTest  
-----  
Tests run: 5, Failures: 2, Errors: 0, Skipped: 0, Time elapsed: 0.134 s <<< FAILURE! - in org.openecomp.sdc.validation.impl.validators.YamlValidatorTest  
testInvalidYamlStructure Time elapsed: 0.009 s <<< FAILURE!  
org.junit.ComparisonFailure: expected:<...ock end>, but found ['-'] in 'reader', line 1...> but was:<...ock end>, but found [BlockEntry] in 'reader', line 1...>  
    at org.openecomp.sdc.validation.impl.validators.YamlValidatorTest.testInvalidYamlStructure(YamlValidatorTest.java:90)  
  
testDuplicateKeyInYaml Time elapsed: 0.004 s <<< FAILURE!  
java.lang.AssertionError: expected:<0> but was:<1>  
    at org.openecomp.sdc.validation.impl.validators.YamlValidatorTest.testDuplicateKeyInYaml(YamlValidatorTest.java:72)
```

Upgrade commons-codec

```
prince@Inspiron-7570: ~/workspace/ONAP/sdc
[INFO] -----
[INFO] Total time: 04:56 min
[INFO] Finished at: 2020-08-17T07:38:31-04:00
[INFO] -----
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-surefire-plugin:2.22.2:test (default-test) on project openecomp-sdc-security-util: There are test failures.
[ERROR] Please refer to /home/prince/workspace/ONAP/sdc/openecomp-be/backend/openecomp-sdc-security-util/target/surefire-reports for the individual test results.
[ERROR] Please refer to dump files (if any exist) [date].dump, [date]-jvmRun[N].dump and [date].dumpstream.
[ERROR] -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException
[ERROR]
[ERROR] After correcting the problems, you can resume the build with the command
[ERROR] mvn <args> -rf :openecomp-sdc-security-util
prince@Inspiron-7570:~/workspace/ONAP/sdc$
```


Upgrade commons-codec

```
org.openecomp.sdc.s...nCookieUtilsTest.txt x org.openecomp.sdc.s...l.CipherUtilTest.txt x org.openecomp.sdc.s...dationFilterTest.txt x
```

```
-----  
Test set: org.openecomp.sdc.securityutil.AuthenticationCookieUtilsTest  
-----  
Tests run: 2, Failures: 0, Errors: 2, Skipped: 0, Time elapsed: 0.064 s <<< FAILURE! - in  
org.openecomp.sdc.securityutil.AuthenticationCookieUtilsTest  
vaildateThatCookieCurrentSessionTimeIncreased Time elapsed: 0.063 s <<< ERROR!  
org.openecomp.sdc.securityutil.CipherUtilException: java.lang.IllegalArgumentException: Last encoded character (before the  
padding if any) is a valid base 64 alphabet but not a possible value. Expected the discarded bits to be zero.  
    at org.openecomp.sdc.securityutil.AuthenticationCookieUtilsTest.vaildateThatCookieCurrentSessionTimeIncreased  
(AuthenticationCookieUtilsTest.java:46)  
Caused by: java.lang.IllegalArgumentException: Last encoded character (before the padding if any) is a valid base 64  
alphabet but not a possible value. Expected the discarded bits to be zero.  
    at org.openecomp.sdc.securityutil.AuthenticationCookieUtilsTest.vaildateThatCookieCurrentSessionTimeIncreased  
(AuthenticationCookieUtilsTest.java:46)
```

```
org.openecomp.sdc.s...nCookieUtilsTest.txt x org.openecomp.sdc.s...l.CipherUtilTest.txt x org.openecomp.sdc.s...dationFilterTest.txt x
```

```
-----  
Test set: org.openecomp.sdc.securityutil.CipherUtilTest  
-----  
Tests run: 4, Failures: 3, Errors: 0, Skipped: 0, Time elapsed: 0.005 s <<< FAILURE! - in  
org.openecomp.sdc.securityutil.CipherUtilTest  
decryptInvalidData Time elapsed: 0.001 s <<< FAILURE!  
java.lang.AssertionError  
    at org.openecomp.sdc.securityutil.CipherUtilTest.decryptInvalidData(CipherUtilTest.java:70)  
encryptInvalidKey Time elapsed: 0 s <<< FAILURE!  
java.lang.AssertionError  
    at org.openecomp.sdc.securityutil.CipherUtilTest.encryptInvalidKey(CipherUtilTest.java:50)
```

```
org.openecomp.sdc.securityutil.filters.SessionValidationFilterTest-output.txt (~/.workspace...ire-reports)  
Open [icon]
```

```
SLF4J: Failed to load class "org.slf4j.impl.StaticMDCBinder".  
SLF4J: Defaulting to no-operation MDCAdapter implementation.  
SLF4J: See http://www.slf4j.org/codes.html#no_static_mdc_binder for further details.
```

Ambiguous updates

[com.springsource.com.jcraft.jsch]

1. The target version is ???