

**Commit\_ID: 8d0cf31f8, 783ba853a, 9ee296722**

**Module\_Name: activemq-core**

### **Error-1:**

```
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 13.670 s
[INFO] Finished at: 2024-10-23T11:41:14+06:00
[INFO] -----
[ERROR] Failed to execute goal on project activemq-jaas: Could not resolve
dependencies for project org.apache.activemq:activemq-jaas:bundle:5.6-SNAPSHOT
[ERROR] dependency: org.apache.xbean:xbean-spring:jar:3.9-SNAPSHOT (test?)
[ERROR] org.apache.xbean:xbean-spring:jar:3.9-SNAPSHOT was not found in
https://repository.springsource.com/maven/bundles/external during a previous attempt.
This failure was cached in the local repository and resolution is not reattempted
until the update interval of springsource-repo has elapsed or updates are forced
[ERROR] org.apache.xbean:xbean-spring:jar:3.9-SNAPSHOT was not found in
https://repository.apache.org/content/repositories/snapshots/ during a previous
attempt. This failure was cached in the local repository and resolution is not
reattempted until the update interval of apache.snapshots has elapsed or updates are
forced
[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/DependencyResolutionException
[ERROR] After correcting the problems, you can resume the build with the command
[ERROR] mvn <args> -rf :activemq-jaas
```

### **Solution::**

1. Add Apache's snapshot repository if it is missing:

```
<repositories>
```

```
  <repository>
```

```
    <id>apache.snapshots</id>
```

```
    <url>https://repository.apache.org/content/repositories/snapshots/</url>
```

```
  </repository>
```

```
    <enabled>true</enabled>
```

```
  </repository>
```

```
</repositories>
```

2. If 3.9-SNAPSHOT is no longer available, you could try using a stable version of xbean-spring by modifying the pom.xml:

```
<dependency>

  <groupId>org.apache.xbean</groupId>

  <artifactId>xbean-spring</artifactId>

  <version>3.9</version> <!-- Or any available stable version -->

</dependency>
```

## **Error-2:**

```
INFO] -----
[INFO] Reactor Summary for ActiveMQ 5.6-SNAPSHOT:
[INFO]
[INFO] ActiveMQ ..... SUCCESS [ 2.499 s]
[INFO] ActiveMQ :: KahaDB ..... SUCCESS [ 6.561 s]
[INFO] ActiveMQ :: JAAS ..... SUCCESS [ 5.108 s]
[INFO] Openwire Generator ..... SUCCESS [ 3.296 s]
[INFO] ActiveMQ :: jmdns 1.0 ..... SUCCESS [ 2.203 s]
[INFO] ActiveMQ :: Core ..... FAILURE [ 0.594 s]
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 21.964 s
[INFO] Finished at: 2024-10-20T14:56:10+06:00
[INFO] -----
[ERROR] Failed to execute goal on project activemq-core: Could not resolve dependencies for project
org.apache.activemq:activemq-core:bundle:5.6-SNAPSHOT
[ERROR] dependency: org.apache.activemq:activeio-core:jar:3.2-SNAPSHOT (compile?)
[ERROR]    org.apache.activemq:activeio-core:jar:3.2-SNAPSHOT was not found in
https://repository.apache.org/content/repositories/snapshots/ during a previous attempt. This failure
was cached in the local repository and resolution is not reattempted until the update interval of
apache.snapshots has elapsed or updates are forced
[ERROR]    org.apache.activemq:activeio-core:jar:3.2-SNAPSHOT was not found in
https://repository.springsource.com/maven/bundles/external during a previous attempt. This failure was
```

cached in the local repository and resolution is not reattempted until the update interval of springsource-repo has elapsed or updates are forced

[ERROR]

[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/DependencyResolutionException>

[ERROR]

[ERROR] After correcting the problems, you can resume the build with the command

[ERROR] **mvn <args> -rf :activemq-core**

## **Solution:**

### **1. Ensure Repositories Are Correctly Defined:**

```
<repositories>
  <repository>
    <id>apache.snapshots</id>
    <url>https://repository.apache.org/content/repositories/snapshots/</url>
    <snapshots>
      <enabled>true</enabled>
    </snapshots>
    <releases>
      <enabled>false</enabled>
    </releases>
  </repository>
  <repository>
    <id>springsource-repo</id>
    <url>https://repository.springsource.com/maven/bundles/external</url>
    <snapshots>
      <enabled>true</enabled>
    </snapshots>
  </repository>
</repositories>
```

## 2. Check for Dependency Version:

```
<dependency>
  <groupId>org.apache.activemq</groupId>
  <artifactId>activeio-core</artifactId>
  <version>3.1.0</version> <!-- Change to the latest stable version -->
</dependency>
```

**Commit\_ID:** 9caa5c8d4, 89eecadd9, 814c49f05, 7b700ee7a, 763e33131, 6efc26857, 8f9ecf0aa, 8f190f188, 8dbb48a23, 8cf98a070, 783ba853a, 6110e16f2, 5f2abc13c, 54ff0ce44, 4caad1a05, 4648dbee4, 3a95fff23, 22422ac5d, 21e641d49, 1575f4589, 101a3e453, 08d89ff88, 044f5346e,

**Module\_Name: activemq-core**

### Error-1:

```
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 18.315 s
[INFO] Finished at: 2024-10-22T16:36:21+06:00
[INFO] -----
[ERROR] Plugin org.apache.activemq.protobuf:activemq-protobuf:1.0-SNAPSHOT or one of
its dependencies could not be resolved:
[ERROR]   org.apache.activemq.protobuf:activemq-protobuf:jar:1.0-SNAPSHOT was
not found in https://repository.apache.org/content/repositories/snapshots/ during a
previous attempt. This failure was cached in the local repository and resolution is
not reattempted until the update interval of apache.snapshots has elapsed or updates
are forced
[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/PluginResolutionException
```

### Solution:

## 1. Check Repository Configuration:

```
<repositories>
  <repository>
    <id>apache.snapshots</id>

    <url>https://repository.apache.org/content/repositories/snapshot
s/</url>

    <releases>
      <enabled>>false</enabled>
```

```

    </releases>
    <snapshots>
      <enabled>true</enabled>
    </snapshots>
  </repository>
</repositories>

```

## 2. Use a Stable Version:

```

<dependency>
  <groupId>org.apache.activemq.protobuf</groupId>
  <artifactId>activemq-protobuf</artifactId>
  <version>1.0</version> <!-- or the latest stable version -->
</dependency>

```

### Error-2:

```

[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 32.282 s
[INFO] Finished at: 2024-10-22T16:41:45+06:00
[INFO] -----
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-compiler-
plugin:2.0.2:compile (default-compile) on project activemq-core: Compilation failure:
Compilation failure:
[ERROR] could not parse error message: warning: [options] bootstrap class path not set
in conjunction with -source 1.5
[ERROR] warning: [options] source value 1.5 is obsolete and will be removed in a
future release
[ERROR] warning: [options] target value 1.5 is obsolete and will be removed in a
future release
[ERROR] warning: [options] To suppress warnings about obsolete options, use -Xlint:-
options.
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\util\XStreamFactoryBean.java:27: warning:
[deprecation] Annotations in com.thoughtworks.xstream.annotations has been deprecated
[ERROR] import com.thoughtworks.xstream.annotations.Annotations;
[ERROR]                                     ^
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\usage\Usage.java:[66,25] error: name has
private access in Usage
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\usage\Usage.java:[292,22] error: addChild(T)
has private access in Usage
[ERROR]
[ERROR] could not parse error message: where T is a type-variable:
[ERROR] T extends Usage declared in class Usage
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\usage\Usage.java:304: error: removeChild(T) has
private access in Usage
[ERROR]         parent.removeChild(this);
[ERROR]                   ^
[ERROR]
[ERROR] could not parse error message: where T is a type-variable:

```

```

[ERROR]      T extends Usage declared in class Usage
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:85: error: name clash:
containsKey(K) in MapContainer and containsKey(Object) in Map have the same erasure,
yet neither overrides the other
[ERROR]      boolean containsKey(K key);
[ERROR]      ^
[ERROR] could not parse error message: where K is a type-variable:
[ERROR] K extends Object declared in interface MapContainer
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:93: error: name clash:
get(K) in MapContainer and get(Object) in Map have the same erasure, yet neither
overrides the other
[ERROR]      V get(K key);
[ERROR]      ^
[ERROR] could not parse error message: where K,V#1,V#2 are type-variables:
[ERROR] K extends Object declared in interface MapContainer
[ERROR] V#1 extends Object declared in interface MapContainer
[ERROR] V#2 extends Object declared in interface Map
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:99: error: name clash:
containsValue(K) in MapContainer and containsValue(Object) in Map have the same
erasure, yet neither overrides the other
[ERROR]      boolean containsValue(K o);
[ERROR]      ^
[ERROR] could not parse error message: where K is a type-variable:
[ERROR] K extends Object declared in interface MapContainer
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:106: error: name clash:
putAll(Map<K#1,V#1>) in MapContainer and putAll(Map<? extends K#2,? extends V#2>) in
Map have the same erasure, yet neither overrides the other
[ERROR]      void putAll(Map<K, V> map);
[ERROR]      ^
[ERROR] could not parse error message: where K#1,V#1,K#2,V#2 are type-variables:
[ERROR] K#1 extends Object declared in interface MapContainer
[ERROR] V#1 extends Object declared in interface MapContainer
[ERROR] K#2 extends Object declared in interface Map
[ERROR] V#2 extends Object declared in interface Map
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:140: error: name clash:
remove(K) in MapContainer and remove(Object) in Map have the same erasure, yet neither
overrides the other
[ERROR]      V remove(K key);
[ERROR]      ^
[ERROR] could not parse error message: where K,V#1,V#2 are type-variables:
[ERROR] K extends Object declared in interface MapContainer
[ERROR] V#1 extends Object declared in interface MapContainer
[ERROR] V#2 extends Object declared in interface Map
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v1\SubscriptionInfoMarshaller.java:73:
warning: [deprecation] setSubscriptionName(String) in SubscriptionInfo has been
deprecated
[ERROR]      info.setSubscriptionName(tightUnmarshalString(dataIn, bs));
[ERROR]      ^
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v1\SubscriptionInfoMarshaller.java:[89
,38] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v1\SubscriptionInfoMarshaller.java:[10
6,32] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v1\SubscriptionInfoMarshaller.java:[12
6,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated
[ERROR]

```

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v1\SubscriptionInfoMarshaller.java:[142,31] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v2\SubscriptionInfoMarshaller.java:[73,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v2\SubscriptionInfoMarshaller.java:[89,38] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v2\SubscriptionInfoMarshaller.java:[108,32] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v2\SubscriptionInfoMarshaller.java:[126,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v2\SubscriptionInfoMarshaller.java:[142,31] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\ActiveMQSslConnectionFactory.java:[72,22] [deprecation] setKeyAndTrustManagers(KeyManager[],TrustManager[],SecureRandom) in SslTransportFactory has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\RemoveSubscriptionInfoMarshaller.java:[70,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\RemoveSubscriptionInfoMarshaller.java:[85,38] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\RemoveSubscriptionInfoMarshaller.java:[103,32] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\RemoveSubscriptionInfoMarshaller.java:[120,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\RemoveSubscriptionInfoMarshaller.java:[135,31] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\SubscriptionInfoMarshaller.java:[73,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\SubscriptionInfoMarshaller.java:[90,38] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\SubscriptionInfoMarshaller.java:[110,32] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\SubscriptionInfoMarshaller.java:[129,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated

[ERROR]

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\SubscriptionInfoMarshaller.java:[146,31] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\RemoveSubscriptionInfoMarshaller.java:[71,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\RemoveSubscriptionInfoMarshaller.java:[86,38] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\RemoveSubscriptionInfoMarshaller.java:[104,32] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\RemoveSubscriptionInfoMarshaller.java:[121,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v3\RemoveSubscriptionInfoMarshaller.java:[136,31] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\RemoveSubscriptionInfoMarshaller.java:[70,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\RemoveSubscriptionInfoMarshaller.java:[85,38] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\RemoveSubscriptionInfoMarshaller.java:[103,32] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\RemoveSubscriptionInfoMarshaller.java:[120,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\RemoveSubscriptionInfoMarshaller.java:[135,31] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\SubscriptionInfoMarshaller.java:[72,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\SubscriptionInfoMarshaller.java:[89,38] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\SubscriptionInfoMarshaller.java:[109,32] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated  
[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\SubscriptionInfoMarshaller.java:[128,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated  
[ERROR]



[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v4\SubscriptionInfoMarshaller.java:[14,31] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\SubscriptionInfoMarshaller.java:[72,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\SubscriptionInfoMarshaller.java:[89,38] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\SubscriptionInfoMarshaller.java:[109,32] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\SubscriptionInfoMarshaller.java:[128,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v5\SubscriptionInfoMarshaller.java:[145,31] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\util\XStreamFactoryBean.java:[98,8] [deprecation] Annotations in com.thoughtworks.xstream.annotations has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\util\XStreamFactoryBean.java:[98,19] [deprecation] configureAliases(XStream,Class<?>...) in Annotations has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\util\XStreamFactoryBean.java:[108,8] [deprecation] Annotations in com.thoughtworks.xstream.annotations has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\util\XStreamFactoryBean.java:[108,19] [deprecation] configureAliases(XStream,Class<?>...) in Annotations has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v1\RemoveSubscriptionInfoMarshaller.java:[71,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v1\RemoveSubscriptionInfoMarshaller.java:[86,38] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v1\RemoveSubscriptionInfoMarshaller.java:[104,32] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v1\RemoveSubscriptionInfoMarshaller.java:[121,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v1\RemoveSubscriptionInfoMarshaller.java:[136,31] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v2\RemoveSubscriptionInfoMarshaller.java:[71,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated

[ERROR] F:\Desktop\mvn\activemq\activemq-core\src\main\java\org\apache\activemq\openwire\v2\RemoveSubscriptionInfoMarshaller.java

```

va:[86,38] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been
deprecated
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v2\RemoveSubscriptionInfoMarshaller.ja
va:[104,32] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been
deprecated
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v2\RemoveSubscriptionInfoMarshaller.ja
va:[121,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has
been deprecated
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v2\RemoveSubscriptionInfoMarshaller.ja
va:[136,31] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been
deprecated
[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 :activemq-core

```

## Solution:

### 1.Obsolete Source and Target Versions:

```

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.8.1</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

</build>

```

### Error-3:

[INFO] BUILD FAILURE

[INFO] -----

[INFO] Total time: 21.994 s

[INFO] Finished at: 2024-10-21T11:25:16+06:00

[INFO] -----

[ERROR] Failed to execute goal org.apache.maven.plugins:maven-compiler-plugin:3.8.1:compile (default-compile) on project activemq-core: Compilation failure: Compilation failure:

[ERROR] /F:/Desktop/mvn/activemq/activemq-core/src/main/java/org/apache/activemq/usage/Usage.java:[66,26] name has private access in org.apache.activemq.usage.Usage

[ERROR] /F:/Desktop/mvn/activemq/activemq-core/src/main/java/org/apache/activemq/usage/Usage.java:[288,23] addChild(T) has private access in org.apache.activemq.usage.Usage

[ERROR] /F:/Desktop/mvn/activemq/activemq-core/src/main/java/org/apache/activemq/usage/Usage.java:[300,23] removeChild(T) has private access in org.apache.activemq.usage.Usage

[ERROR] /F:/Desktop/mvn/activemq/activemq-core/src/main/java/org/apache/activemq/kaha/MapContainer.java:[85,13] name clash: containsKey(K) in org.apache.activemq.kaha.MapContainer and containsKey(java.lang.Object) in java.util.Map have the same erasure, yet neither overrides the other

[ERROR] /F:/Desktop/mvn/activemq/activemq-core/src/main/java/org/apache/activemq/kaha/MapContainer.java:[93,7] name clash: get(K) in org.apache.activemq.kaha.MapContainer and get(java.lang.Object) in java.util.Map have the same erasure, yet neither overrides the other

[ERROR] /F:/Desktop/mvn/activemq/activemq-core/src/main/java/org/apache/activemq/kaha/MapContainer.java:[99,13] name clash: containsValue(K) in org.apache.activemq.kaha.MapContainer and containsValue(java.lang.Object) in java.util.Map have the same erasure, yet neither overrides the other

[ERROR] /F:/Desktop/mvn/activemq/activemq-core/src/main/java/org/apache/activemq/kaha/MapContainer.java:[106,10] name clash: putAll(java.util.Map<K,V>) in org.apache.activemq.kaha.MapContainer and putAll(java.util.Map<? extends K,? extends V>) in java.util.Map have the same erasure, yet neither overrides the other

[ERROR] /F:/Desktop/mvn/activemq/activemq-core/src/main/java/org/apache/activemq/kaha/MapContainer.java:[140,7] name clash: remove(K) in org.apache.activemq.kaha.MapContainer and remove(java.lang.Object) in java.util.Map have the same erasure, yet neither overrides the other

[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 :activemq-core

### 1. Access Modifiers:

// Change 'private' to 'protected' or 'public'

protected String name;

```
protected void addChild(T child) {  
    // Implementation  
}
```

```
protected void removeChild(T child) {  
    // Implementation  
}
```

### 2. Use Default Methods in an Interface:

public class MapContainer<K, V> implements Map<K, V> {

@Override

```
public boolean containsKey(Object key) {  
    // Return logic or a default value
```

```

        return false;
    }

    @Override
    public V get(Object key) {
        // Return logic or a default value
        return null;
    }

    @Override
    public boolean containsValue(Object value) {
        // Return logic or a default value
        return false;
    }

    @Override
    public V remove(Object key) {
        // Return logic or a default value
        return null;
    }

    // Implement other Map methods as necessary
}

```

### Updated Code(MapContainer.java):

```

package org.apache.activemq.kaha;

import java.util.Collection;
import java.util.Map;
import java.util.Set;

/**
 * Represents a container of persistent objects in the store Acts as a map, but
 * values can be retrieved in insertion order
 *
 * @version $Revision: 1.2 $
 */
public interface MapContainer<K, V> extends Map<K, V> {

```

```
/**
 * The container is created or retrieved in an unloaded state. load
 * populates the container with all the indexes used etc and should be
 * called before any operations on the container
 */
void load();
```

```
/**
 * Unload indexes from the container.
 */
void unload();
```

```
/**
 * @return true if the indexes are loaded
 */
boolean isLoaded();
```

```
/**
 * Set a custom marshaller for loading keys.
 * The default uses Object serialization.
 *
 * @param keyMarshaller custom key marshaller
 */
void setKeyMarshaller(Marshaller<K> keyMarshaller);
```

```
/**
 * Set a custom marshaller for loading values.
 * The default uses Object serialization.
 *
 * @param valueMarshaller custom value marshaller
 */
void setValueMarshaller(Marshaller<V> valueMarshaller);
```

```
/**
 * @return the id the MapContainer was created with
 */
Object getId();
```

```
/**
 * @return the number of values in the container
```

```

*/
int size();

/**
 * @return true if there are no values stored in the container
 */
boolean isEmpty();

/**
 * @param key
 * @return true if the container contains the key
 */
@Override
boolean containsKey(Object key);

/**
 * Get the value associated with the key.
 *
 * @param key
 * @return the value associated with the key from the store
 */
@Override
V get(Object key);

/**
 * @param value
 * @return true if the MapContainer contains the value
 */
@Override
boolean containsValue(Object value);

/**
 * Add all entries in the supplied Map.
 *
 * @param map the map of entries to add
 */
@Override
void putAll(Map<? extends K, ? extends V> map);

/**
 * @return a Set of all the keys

```

```

*/
@Override
Set<K> keySet();

/**
 * @return a collection of all the values - the values will be lazily pulled
 * out of the store if iterated etc.
 */
@Override
Collection<V> values();

/**
 * @return a Set of all the Map.Entry instances - the values will be lazily
 * pulled out of the store if iterated etc.
 */
@Override
Set<Map.Entry<K, V>> entrySet();

/**
 * Add an entry.
 *
 * @param key
 * @param value
 * @return the old value for the key
 */
@Override
V put(K key, V value);

/**
 * Remove an entry associated with the key.
 *
 * @param key
 * @return the old value associated with the key or null
 */
@Override
V remove(Object key);

/**
 * Empty the container.
 */
void clear();

```



```

/**
 * Add an entry to the Store Map.
 *
 * @param key
 * @param value
 * @return the StoreEntry associated with the entry
 */
StoreEntry place(K key, V value);

/**
 * Remove an entry from the Map.
 *
 * @param entry
 */
void remove(StoreEntry entry);

/**
 * Get the key object from its location.
 *
 * @param keyLocation
 * @return the key for the entry
 */
K getKey(StoreEntry keyLocation);

/**
 * Get the value from its location.
 *
 * @param valueLocation
 * @return the Object
 */
V getValue(StoreEntry valueLocation);

/**
 * Get the StoreEntry for the first value in the Map.
 *
 * @return the first StoreEntry or null if the map is empty
 */
StoreEntry getFirst();

/**

```

```
* Get the StoreEntry for the last value item of the Map.  
*  
* @return the last StoreEntry or null if the list is empty  
*/
```

```
StoreEntry getLast();
```

```
/**  
 * Get the next StoreEntry value from the map.  
 *  
 * @param entry  
 * @return the next StoreEntry or null  
 */
```

```
StoreEntry getNext(StoreEntry entry);
```

```
/**  
 * Get the previous StoreEntry from the map.  
 *  
 * @param entry  
 * @return the previous StoreEntry or null  
 */
```

```
StoreEntry getPrevious(StoreEntry entry);
```

```
/**  
 * Refresh a stale StoreEntry.  
 *  
 * @param entry old entry  
 * @return a refreshed StoreEntry  
 */
```

```
StoreEntry refresh(StoreEntry entry);
```

```
/**  
 * Get the StoreEntry associated with the key.  
 *  
 * @param key  
 * @return the StoreEntry  
 */
```

```
StoreEntry getEntry(K key);
```

```
/**  
 * Set the index bin size.  
 *
```

```

    * @param size the bin size
    */
void setIndexBinSize(int size);

/**
 * @return the index bin size
 */
int getIndexBinSize();

/**
 * Add the index key size.
 *
 * @param size the key size
 */
void setIndexKeySize(int size);

/**
 * @return the index key size
 */
int getIndexKeySize();

/**
 * Set the index page size.
 *
 * @param size the page size
 */
void setIndexPageSize(int size);

/**
 * @return the index page size
 */
int getIndexPageSize();

/**
 * Set the maximum bin size.
 *
 * @param size the maximum bin size
 */
void setIndexMaxBinSize(int size);

/**

```

```

    * @return the maximum bin size
    */
    int getIndexMaxBinSize();

    /**
     * @return the load factor
     */
    int getIndexLoadFactor();

    /**
     * Set the load factor.
     *
     * @param loadFactor the load factor to set
     */
    void setIndexLoadFactor(int loadFactor);

    /**
     * @return the Index MBean
     */
    IndexMBean getIndexMBean();

    /**
     * Clean up all state associated with this container.
     */
    void delete();
}

```

**Commit\_ID: 9cf216cce**

**Module\_Name: activemq-core**

**Same as before to Error-3**

**Error-4:**

[INFO] BUILD FAILURE

[INFO] -----

[INFO] Total time: 44.159 s

[INFO] Finished at: 2024-10-21T14:23:10+06:00

[INFO] -----

[ERROR] Failed to execute goal org.apache.xbean:maven-xbean-plugin:3.6:mapping (default) on project activemq-core: Execution default of goal org.apache.xbean:maven-xbean-plugin:3.6:mapping failed: com.thoughtworks.qdox.parser.ParseException: syntax error @[139,20] in file:/F:/Desktop/mvn/activemq/activemq-core/src/main/java/org/apache/activemq/kaha/MapContainer.java -> [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/PluginExecutionException>

[ERROR]

[ERROR] After correcting the problems, you can resume the build with the command

[ERROR] mvn <args> -rf :activemq-core

## **Solution:**

### **modified MapContainer.java:**

```
package org.apache.activemq.kaha;
```

```
import java.util.Collection;
```

```
import java.util.Map;
```

```
import java.util.Set;
```

```
/**
```

```
 * Represents a container of persistent objects in the store. Acts as a map, but
```

```
 * values can be retrieved in insertion order
```

```
 *
```

```
 * @version $Revision: 1.2 $
```

```
*/  
public interface MapContainer<K, V> extends Map<K, V> {  
  
    void load();  
  
    void unload();  
  
    boolean isLoaded();  
  
    void setKeyMarshaller(Marshaller<K> keyMarshaller);  
  
    void setValueMarshaller(Marshaller<V> valueMarshaller);  
  
    Object getId();  
  
    int size();  
  
    boolean isEmpty();  
  
    boolean containsKey(Object key);  
  
    V get(Object key);  
  
    boolean containsValue(Object value);  
  
    void putAll(Map<? extends K, ? extends V> map);  
  
    Set<K> keySet();  
  
    Collection<V> values();  
  
    Set<Map.Entry<K, V>> entrySet();  
  
    V put(K key, V value);  
  
    V remove(Object key);  
  
    void clear();  
  
    StoreEntry place(K key, V value);  
}
```

```
void remove(StoreEntry entry);

K getKey(StoreEntry keyLocation);

V getValue(StoreEntry valueLocation);

StoreEntry getFirst();

StoreEntry getLast();

StoreEntry getNext(StoreEntry entry);

StoreEntry getPrevious(StoreEntry entry);

StoreEntry refresh(StoreEntry entry);

StoreEntry getEntry(K key);

void setIndexBinSize(int size);

int getIndexBinSize();

void setIndexKeySize(int size);

int getIndexKeySize();

void setIndexPageSize(int size);

int getIndexPageSize();

void setIndexMaxBinSize(int size);

int getIndexMaxBinSize();

int getIndexLoadFactor();

void setIndexLoadFactor(int loadFactor);

IndexMBean getIndexMBean();

void delete();
```

}

**Commit\_ID : 98b7dodd1**

**Module\_Name : activemq-core**

### **Error-1:**

```
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 31.831 s
[INFO] Finished at: 2024-10-21T14:43:16+06:00
[INFO] -----
[ERROR] Failed to execute goal on project activemq-core: Could not resolve
dependencies for project org.apache.activemq:activemq-core:bundle:5.6-SNAPSHOT
[ERROR] dependency: org.apache.activemq:activeio-core:jar:3.2-SNAPSHOT (compile?)
[ERROR] Could not find artifact org.apache.activemq:activeio-core:jar:3.2-
SNAPSHOT in springsource-repo
(https://repository.springsource.com/maven/bundles/external)
[ERROR] Could not find artifact org.apache.activemq:activeio-core:jar:3.2-
SNAPSHOT in apache.snapshots
(https://repository.apache.org/content/repositories/snapshots/)
[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/DependencyResolutionException
[ERROR] After correcting the problems, you can resume the build with the command
[ERROR] mvn <args> -rf :activemq-core
```

### **Solution:**

#### **1. Check for Dependency Version:**

```
<dependency>
  <groupId>org.apache.activemq</groupId>
  <artifactId>activeio-core</artifactId>
  <version>3.1.0</version> <!-- Change to the latest stable version -->
</dependency>
```

**Commit\_ID : 98a0f39b3,7b700ee7a, 6205a0f9c**

**Module\_Name : activemq-core**

### **Error-1:**

```
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 38.091 s
[INFO] Finished at: 2024-10-21T14:58:50+06:00
[INFO] -----
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-compiler-
plugin:2.0.2:compile (default-compile) on project activemq-core: Compilation failure:
Compilation failure:
[ERROR] could not parse error message: warning: [options] bootstrap class path not set
in conjunction with -source 1.5
[ERROR] warning: [options] source value 1.5 is obsolete and will be removed in a
future release
```



```

[ERROR] warning: [options] target value 1.5 is obsolete and will be removed in a
future release
[ERROR] warning: [options] To suppress warnings about obsolete options, use -Xlint:-
options.
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\usage\Usage.java:67: error: name has private
access in Usage
[ERROR]         name = parent.name + ":" + name;
[ERROR]                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\usage\Usage.java:[291,22] error: addChild(T)
has private access in Usage
[ERROR]
[ERROR] could not parse error message:   where T is a type-variable:
[ERROR]       T extends Usage declared in class Usage
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\usage\Usage.java:303: error: removeChild(T) has
private access in Usage
[ERROR]         parent.removeChild(this);
[ERROR]                     ^
[ERROR]
[ERROR] could not parse error message:   where T is a type-variable:
[ERROR]       T extends Usage declared in class Usage
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:85: error: name clash:
containsKey(K) in MapContainer and containsKey(Object) in Map have the same erasure,
yet neither overrides the other
[ERROR]         boolean containsKey(K key);
[ERROR]                     ^
[ERROR]
[ERROR] could not parse error message:   where K is a type-variable:
[ERROR]       K extends Object declared in interface MapContainer
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:93: error: name clash:
get(K) in MapContainer and get(Object) in Map have the same erasure, yet neither
overrides the other
[ERROR]         V get(K key);
[ERROR]             ^
[ERROR]
[ERROR] could not parse error message:   where K,V#1,V#2 are type-variables:
[ERROR]       K extends Object declared in interface MapContainer
[ERROR]       V#1 extends Object declared in interface MapContainer
[ERROR]       V#2 extends Object declared in interface Map
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:99: error: name clash:
containsValue(K) in MapContainer and containsValue(Object) in Map have the same
erasure, yet neither overrides the other
[ERROR]         boolean containsValue(K o);
[ERROR]                     ^
[ERROR]
[ERROR] could not parse error message:   where K is a type-variable:
[ERROR]       K extends Object declared in interface MapContainer
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:106: error: name clash:
putAll(Map<K#1,V#1>) in MapContainer and putAll(Map<? extends K#2,? extends V#2>) in
Map have the same erasure, yet neither overrides the other
[ERROR]         void putAll(Map<K, V> map);
[ERROR]                     ^
[ERROR]
[ERROR] could not parse error message:   where K#1,V#1,K#2,V#2 are type-variables:
[ERROR]       K#1 extends Object declared in interface MapContainer
[ERROR]       V#1 extends Object declared in interface MapContainer
[ERROR]       K#2 extends Object declared in interface Map
[ERROR]       V#2 extends Object declared in interface Map
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\kaha\MapContainer.java:140: error: name clash:
remove(K) in MapContainer and remove(Object) in Map have the same erasure, yet neither
overrides the other
[ERROR]         V remove(K key);
[ERROR]             ^
[ERROR]

```

```

[ERROR] could not parse error message: where K,V#1,V#2 are type-variables:
[ERROR] K extends Object declared in interface MapContainer
[ERROR] V#1 extends Object declared in interface MapContainer
[ERROR] V#2 extends Object declared in interface Map
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.java:70: warning: [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated
[ERROR]         info.setSubscriptionName(tightUnmarshalString(dataIn, bs));
[ERROR]                 ^
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.java:[85,38] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.java:[103,32] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.java:[120,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.java:[135,31] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[72,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[89,38] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[109,32] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[128,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[145,31] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated
[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 :activemq-core

```

## **Solution:**

### **1. Access Modifiers:**

```

// Change 'private' to 'protected' or 'public'
protected String name;

```

```
protected void addChild(T child) {
    // Implementation
}

protected void removeChild(T child) {
    // Implementation
}
```

## 2. Use Default Methods in an Interface:

```
public class MapContainer<K, V> implements Map<K, V> {

    @Override
    public boolean containsKey(Object key) {
        // Return logic or a default value
        return false;
    }

    @Override
    public V get(Object key) {
        // Return logic or a default value
        return null;
    }

    @Override
    public boolean containsValue(Object value) {
        // Return logic or a default value
        return false;
    }

    @Override
    public V remove(Object key) {
        // Return logic or a default value
        return null;
    }

    // Implement other Map methods as necessary
}
```

## Error-2

```
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 37.902 s
[INFO] Finished at: 2024-10-21T15:00:29+06:00
[INFO] -----
```

```

[ERROR] Failed to execute goal org.apache.maven.plugins:maven-compiler-
plugin:2.0.2:compile (default-compile) on project activemq-core: Compilation failure:
Compilation failure:
[ERROR] could not parse error message: warning: [options] bootstrap class path not set
in conjunction with -source 1.5
[ERROR] warning: [options] source value 1.5 is obsolete and will be removed in a
future release
[ERROR] warning: [options] target value 1.5 is obsolete and will be removed in a
future release
[ERROR] warning: [options] To suppress warnings about obsolete options, use -Xlint:-
options.
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.ja
va:70: warning: [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has
been deprecated
[ERROR]         info.setSubscriptionName(tightUnmarshalString(dataIn, bs));
[ERROR]             ^
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.ja
va:[85,38] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been
deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.ja
va:[103,32] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been
deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.ja
va:[120,12] [deprecation] setSubscriptionName(String) in RemoveSubscriptionInfo has
been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\RemoveSubscriptionInfoMarshaller.ja
va:[135,31] [deprecation] getSubscriptionName() in RemoveSubscriptionInfo has been
deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[72
,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[89
,38] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[10
9,32] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[12
8,12] [deprecation] setSubscriptionName(String) in SubscriptionInfo has been deprecated
[ERROR]
[ERROR] F:\Desktop\mvn\activemq\activemq-
core\src\main\java\org\apache\activemq\openwire\v6\SubscriptionInfoMarshaller.java:[14
5,31] [deprecation] getSubscriptionName() in SubscriptionInfo has been deprecated
[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 :activemq-core

```

## **Solution:**

### **1. Obsolete Source and Target Values**

```
<properties>
  <maven.compiler.source>1.8</maven.compiler.source>
  <maven.compiler.target>1.8</maven.compiler.target>
</properties>
```

### **2. Updated RemoveSubscriptionInfoMarshaller.java**

```
package org.apache.activemq.openwire.v6;

import java.io.DataInput;
import java.io.DataOutput;
import java.io.IOException;

import org.apache.activemq.openwire.*;
import org.apache.activemq.command.*;

public class RemoveSubscriptionInfoMarshaller extends BaseCommandMarshaller {

    public byte getDataStructureType() {
        return RemoveSubscriptionInfo.DATA_STRUCTURE_TYPE;
    }

    public DataStructure createObject() {
        return new RemoveSubscriptionInfo();
    }

    public void tightUnmarshal(OpenWireFormat wireFormat, Object o, DataInput dataIn,
        BooleanStream bs) throws IOException {
        super.tightUnmarshal(wireFormat, o, dataIn, bs);

        RemoveSubscriptionInfo info = (RemoveSubscriptionInfo)o;
        info.setConnectionId((org.apache.activemq.command.ConnectionId)
            tightUnmarshalCachedObject(wireFormat, dataIn, bs));
        info.setSubscriptionName(tightUnmarshalString(dataIn, bs));
        info.setClientId(tightUnmarshalString(dataIn, bs));
    }

    public int tightMarshal1(OpenWireFormat wireFormat, Object o, BooleanStream bs) throws
        IOException {
        RemoveSubscriptionInfo info = (RemoveSubscriptionInfo)o;
```

```

        int rc = super.tightMarshal1(wireFormat, o, bs);
        rc += tightMarshalCachedObject1(wireFormat, (DataStructure)info.getConnectionId(), bs);
        rc += tightMarshalString1(info.getSubscriptionName(), bs);
        rc += tightMarshalString1(info.getClientId(), bs);

        return rc + 0;
    }

    public void tightMarshal2(OpenWireFormat wireFormat, Object o, DataOutput dataOut,
        BooleanStream bs) throws IOException {
        super.tightMarshal2(wireFormat, o, dataOut, bs);

        RemoveSubscriptionInfo info = (RemoveSubscriptionInfo)o;
        tightMarshalCachedObject2(wireFormat, (DataStructure)info.getConnectionId(), dataOut, bs); //
        Pass BooleanStream
        tightMarshalString2(info.getSubscriptionName(), dataOut, bs); // Pass BooleanStream
        tightMarshalString2(info.getClientId(), dataOut, bs); // Pass BooleanStream
    }

    public void looseUnmarshal(OpenWireFormat wireFormat, Object o, DataInput dataIn) throws
        IOException {
        super.looseUnmarshal(wireFormat, o, dataIn);

        RemoveSubscriptionInfo info = (RemoveSubscriptionInfo)o;
        info.setConnectionId((org.apache.activemq.command.ConnectionId)
        looseUnmarshalCachedObject(wireFormat, dataIn));
        info.setSubscriptionName(looseUnmarshalString(dataIn));
        info.setClientId(looseUnmarshalString(dataIn));
    }

    public void looseMarshal(OpenWireFormat wireFormat, Object o, DataOutput dataOut) throws
        IOException {
        RemoveSubscriptionInfo info = (RemoveSubscriptionInfo)o;

        super.looseMarshal(wireFormat, o, dataOut);
        looseMarshalCachedObject(wireFormat, (DataStructure)info.getConnectionId(), dataOut);
        looseMarshalString(info.getSubscriptionName(), dataOut);
        looseMarshalString(info.getClientId(), dataOut);
    }
}

```

### 3. Update the Maven Compiler Plugin Version:

```
<build>
```

```

<plugins>
  <plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-compiler-plugin</artifactId>
    <version>3.8.1</version>
    <configuration>
      <source>1.8</source> <!-- Or your desired Java version -->
      <target>1.8</target>
    </configuration>
  </plugin>
</plugins>
</build>

```

#### **4. Updated SubscriptionInfoMarshaller.java**

```

package org.apache.activemq.openwire.v6;

import java.io.DataInput;
import java.io.DataOutput;
import java.io.IOException;

import org.apache.activemq.openwire.*;
import org.apache.activemq.command.*;

public class SubscriptionInfoMarshaller extends BaseDataStreamMarshaller {

    public byte getDataStructureType() {
        return SubscriptionInfo.DATA_STRUCTURE_TYPE;
    }

    public DataStructure createObject() {
        return new SubscriptionInfo();
    }

    public void tightUnmarshal(OpenWireFormat wireFormat, Object o, DataInput dataIn, BooleanStream bs) throws IOException {
        super.tightUnmarshal(wireFormat, o, dataIn, bs);

        SubscriptionInfo info = (SubscriptionInfo)o;
        info.setClientId(tightUnmarshalString(dataIn, bs));
        info.setDestination((org.apache.activemq.command.ActiveMQDestination)
            tightUnmarshalCachedObject(wireFormat, dataIn, bs));
        info.setSelector(tightUnmarshalString(dataIn, bs));
    }
}

```

```

        info.setSubscriptionName(tightUnmarshalString(dataIn, bs));
        info.setSubscribedDestination((org.apache.activemq.command.ActiveMQDestination)
tightUnmarsalNestedObject(wireFormat, dataIn, bs));

    }

    public int tightMarshal1(OpenWireFormat wireFormat, Object o, BooleanStream bs) throws
IOException {

        SubscriptionInfo info = (SubscriptionInfo)o;

        int rc = super.tightMarshal1(wireFormat, o, bs);
        rc += tightMarshalString1(info.getClientId(), bs);
        rc += tightMarshalCachedObject1(wireFormat, (DataStructure)info.getDestination(), bs);
        rc += tightMarshalString1(info.getSelector(), bs);
        rc += tightMarshalString1(info.getSubscriptionName(), bs);
        rc += tightMarshalNestedObject1(wireFormat, (DataStructure)info.getSubscribedDestination(), bs);

        return rc + 0;
    }

    public void tightMarshal2(OpenWireFormat wireFormat, Object o, DataOutput dataOut,
BooleanStream bs) throws IOException {
        super.tightMarshal2(wireFormat, o, dataOut, bs);

        SubscriptionInfo info = (SubscriptionInfo)o;
        tightMarshalString2(info.getClientId(), dataOut, bs);
        tightMarshalCachedObject2(wireFormat, (DataStructure)info.getDestination(), dataOut, bs);
        tightMarshalString2(info.getSelector(), dataOut, bs);
        tightMarshalString2(info.getSubscriptionName(), dataOut, bs);
        tightMarshalNestedObject2(wireFormat, (DataStructure)info.getSubscribedDestination(), dataOut,
bs);
    }

    public void looseUnmarshal(OpenWireFormat wireFormat, Object o, DataInput dataIn) throws
IOException {
        super.looseUnmarshal(wireFormat, o, dataIn);

        SubscriptionInfo info = (SubscriptionInfo)o;
        info.setClientId(looseUnmarshalString(dataIn));
        info.setDestination((org.apache.activemq.command.ActiveMQDestination)
looseUnmarsalCachedObject(wireFormat, dataIn));
        info.setSelector(looseUnmarshalString(dataIn));
        info.setSubscriptionName(looseUnmarshalString(dataIn));
        info.setSubscribedDestination((org.apache.activemq.command.ActiveMQDestination)
looseUnmarsalNestedObject(wireFormat, dataIn));
    }

```



```

    public void looseMarshal(OpenWireFormat wireFormat, Object o, DataOutput dataOut) throws
IOException {

    SubscriptionInfo info = (SubscriptionInfo)o;

    super.looseMarshal(wireFormat, o, dataOut);
    looseMarshalString(info.getClientId(), dataOut);
    looseMarshalCachedObject(wireFormat, (DataStructure)info.getDestination(), dataOut);
    looseMarshalString(info.getSelector(), dataOut);
    looseMarshalString(info.getSubscriptionName(), dataOut);
    looseMarshalNestedObject(wireFormat, (DataStructure)info.getSubscribedDestination(), dataOut);

}
}

```

**Commit\_ID : 96bdda716**

**Module\_Name : activemq-unit-tests**

### **Error-1:**

```

[INFO] --- scala:3.1.0:compile (default) @ activemq-leveldb-store ---
[INFO] F:\Desktop\mvn\activemq\activemq-leveldb-store\src\main\java:-1: info:
compiling
[INFO] F:\Desktop\mvn\activemq\activemq-leveldb-store\target\generated-sources\proto:-
1: info: compiling
[INFO] F:\Desktop\mvn\activemq\activemq-leveldb-store\src\main\scala:-1: info:
compiling
[INFO] Compiling 41 source files to F:\Desktop\mvn\activemq\activemq-leveldb-
store\target\classes at 1729505566250
[ERROR] error: error while loading CharSequence, class file 'C:\Program
Files\Java\jdk1.8.0_202\jre\lib\rt.jar(java/lang/CharSequence.class)' is broken
[INFO] (bad constant pool tag 15 at byte 1501)
[ERROR] error: error while loading AnnotatedElement, class file 'C:\Program
Files\Java\jdk1.8.0_202\jre\lib\rt.jar(java/lang/reflect/AnnotatedElement.class)' is
broken
[INFO] (bad constant pool tag 15 at byte 2713)
[ERROR] error: error while loading ConcurrentMap, class file 'C:\Program
Files\Java\jdk1.8.0_202\jre\lib\rt.jar(java/util/concurrent/ConcurrentMap.class)' is
broken
[INFO] (bad constant pool tag 15 at byte 2447)
[ERROR] error: error while loading Arrays, class file 'C:\Program
Files\Java\jdk1.8.0_202\jre\lib\rt.jar(java/util/Arrays.class)' is broken
[INFO] (bad constant pool tag 15 at byte 12813)
[ERROR] error: error while loading ObjectInputStream, class file 'C:\Program
Files\Java\jdk1.8.0_202\jre\lib\rt.jar(java/io/ObjectInputStream.class)' is broken
[INFO] (bad constant pool tag 15 at byte 13998)
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:921: error:
java.io.ObjectInputStream does not have a constructor
[ERROR]         val is = new ObjectInputStream(bais);
[ERROR]                   ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:933: error:
java.io.ObjectInputStream does not have a constructor
[ERROR]         val is = new ObjectInputStream(bais);
[ERROR]                   ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:945: error:
java.io.ObjectInputStream does not have a constructor
[ERROR]         val is = new ObjectInputStream(bais);
[ERROR]                   ^
[ERROR] error: error while loading Comparator, class file 'C:\Program
Files\Java\jdk1.8.0_202\jre\lib\rt.jar(java/util/Comparator.class)' is broken
[INFO] (bad constant pool tag 15 at byte 5003)

```

```

[ERROR] error: error while loading Entry, class file 'C:\Program
Files\Java\jdk1.8.0_202\jre\lib\rt.jar(java/util/Map$Entry.class)' is broken
[INFO] (bad constant pool tag 15 at byte 2514)
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\RecordLog.scala:430: error: value
getValue is not a member of java.util.Map.Entry[K,V]
[ERROR]         val file = log_infos.lastEntry().getValue
[ERROR]                                     ^
[ERROR] error: error while loading ThreadPoolExecutor, class file 'C:\Program
Files\Java\jdk1.8.0_202\jre\lib\rt.jar(java/util/concurrent/ThreadPoolExecutor.class)'
is broken
[INFO] (bad constant pool tag 15 at byte 8670)
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:62: error:
java.util.concurrent.ThreadPoolExecutor does not have a constructor
[ERROR]     final val THREAD_POOL: ThreadPoolExecutor = new ThreadPoolExecutor(0,
Integer.MAX_VALUE, 10, TimeUnit.SECONDS, new SynchronousQueue[Runnable], new
ThreadPoolFactory {
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:62: error: type
mismatch;
[ERROR]     found   : java.util.concurrent.ThreadPoolExecutor{}
[ERROR]     required: java.util.concurrent.ThreadPoolExecutor
[ERROR]     final val THREAD_POOL: ThreadPoolExecutor = new ThreadPoolExecutor(0,
Integer.MAX_VALUE, 10, TimeUnit.SECONDS, new SynchronousQueue[Runnable], new
ThreadPoolFactory {
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:257: error: value
getKey is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]         while( iterator.hasNext && func(iterator.peekNext.getKey) ) {
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:272: error: value
getKey is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]         while( iterator.hasNext && check(iterator.peekNext.getKey) ) {
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:285: error: value
getValue is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]         key.startsWith(prefix) && func(key, iterator.peekNext.getValue)
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:287: error: value
getKey is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]         while( iterator.hasNext && check(iterator.peekNext.getKey) ) {
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:310: error: value
getKey is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]         while( iterator.hasNext && check(iterator.peekNext.getKey) ) {
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:323: error: value
getValue is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]         (compare(key,endExcluded) < 0) && func(key,
iterator.peekNext.getValue)
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:325: error: value
getKey is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]         while( iterator.hasNext && check(iterator.peekNext.getKey) ) {
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:360: error: value
getKey is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]         val key:Buffer = iterator.peekNext.getKey
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\RecordLog.scala:513: error: value
getValue is not a member of java.util.Map.Entry[K,V]

```

```

[ERROR] def log_info(pos:Long) = log_mutex.synchronized {
Option(log_infos.floorEntry(pos)).map(_.getValue) }
[ERROR]
^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBClient.scala:850: error: value
position is not a member of Nothing
[ERROR]     log.log_info(pos).map(_.position)
[ERROR]                               ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBStore.scala:42: error:
java.util.concurrent.ThreadPoolExecutor does not have a constructor
[ERROR]     lazy val BLOCKING_EXECUTOR = new ThreadPoolExecutor(0, Integer.MAX_VALUE,
10, TimeUnit.SECONDS, new SynchronousQueue[Runnable](), new ThreadFactory() {
[ERROR]                               ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBStore.scala:983: error: value
getKey is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]     last_key = n.getKey
[ERROR]                   ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBStore.scala:988: error: value
getValue is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]     var value = n.getValue
[ERROR]                   ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\LevelDBStore.scala:977: error: value
getKey is not a member of java.util.Map.Entry[Array[Byte],Array[Byte]]
[ERROR]     def hasNext: Boolean = dbi!=null && dbi.hasNext &&
dbi.peekNext.getKey.startsWith(prefix)
[ERROR]
^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\RecordLog.scala:508: error:
java.util.Map.Entry does not take type parameters
[ERROR]     protected override def onCacheEviction(entry: Entry[File, LogReader]) = {
[ERROR]                                     ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\RecordLog.scala:528: error: value
position is not a member of Nothing
[ERROR]     if(info.position == current_appender.position) {
[ERROR]           ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\RecordLog.scala:543: error: value
file is not a member of Nothing
[ERROR]     var reader = reader_cache.get(info.file)
[ERROR]                                   ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\RecordLog.scala:545: error: value
file is not a member of Nothing
[ERROR]     reader = LogReader(info.file, info.position)
[ERROR]                               ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\RecordLog.scala:546: error: value
file is not a member of Nothing
[ERROR]     reader_cache.put(info.file, reader)
[ERROR]                               ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\util\FileSupport.scala:249: error:
java.util.concurrent.ThreadPoolExecutor does not take parameters
[ERROR]     LevelDBClient.THREAD_POOL {
[ERROR]                               ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\util\FileSupport.scala:263: error:
java.util.concurrent.ThreadPoolExecutor does not take parameters
[ERROR]     LevelDBClient.THREAD_POOL {
[ERROR]                               ^
[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\util\FileSupport.scala:277: error:
java.util.concurrent.ThreadPoolExecutor does not take parameters
[ERROR]     LevelDBClient.THREAD_POOL {
[ERROR]                               ^

```

```

[ERROR] F:\Desktop\mvn\activemq\activemq-leveldb-
store\src\main\scala\org\apache\activemq\leveldb\util\FileSupport.scala:297: error:
java.util.concurrent.ThreadPoolExecutor does not take parameters
[ERROR]     def onExit(func: (Int)=>Unit) = LevelDBClient.THREAD_POOL {
[ERROR]                                     ^
[ERROR] 37 errors found
[INFO] -----
[INFO] Reactor Summary for ActiveMQ 5.10-SNAPSHOT:
[INFO]
[INFO] ActiveMQ ..... SUCCESS [ 4.202 s]
[INFO] ActiveMQ :: Openwire Generator ..... SUCCESS [ 4.311 s]
[INFO] ActiveMQ :: Client ..... SUCCESS [ 11.763 s]
[INFO] ActiveMQ :: Openwire Legacy Support ..... SUCCESS [ 4.718 s]
[INFO] ActiveMQ :: JAAS ..... SUCCESS [ 4.124 s]
[INFO] ActiveMQ :: Broker ..... SUCCESS [ 7.310 s]
[INFO] ActiveMQ :: KahaDB Store ..... SUCCESS [ 5.452 s]
[INFO] ActiveMQ :: STOMP Protocol ..... SUCCESS [ 2.890 s]
[INFO] ActiveMQ :: MQTT Protocol ..... SUCCESS [ 2.359 s]
[INFO] ActiveMQ :: JDBC Store ..... SUCCESS [ 1.656 s]
[INFO] ActiveMQ :: LevelDB Store ..... FAILURE [ 15.117 s]
[INFO] ActiveMQ :: Generic JMS Pool ..... SKIPPED
[INFO] ActiveMQ :: Pool ..... SKIPPED
[INFO] ActiveMQ :: RA ..... SKIPPED
[INFO] ActiveMQ :: Spring ..... SKIPPED
[INFO] ActiveMQ :: AMQP ..... SKIPPED
[INFO] ActiveMQ :: Console ..... SKIPPED
[INFO] ActiveMQ :: Partition Management ..... SKIPPED
[INFO] ActiveMQ :: Unit Tests ..... SKIPPED
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 01:05 min
[INFO] Finished at: 2024-10-21T16:12:57+06:00
[INFO] -----
[ERROR] Failed to execute goal net.alchim31.maven:scala-maven-plugin:3.1.0:compile
(default) on project activemq-leveldb-store: wrap:
org.apache.commons.exec.ExecuteException: Process exited with an error: 1(Exit value:
1) -> [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/MojoExecutionException
[ERROR]
[ERROR] After correcting the problems, you can resume the build with the command
[ERROR] mvn <args> -rf :activemq-leveldb-store

```

## Solution:

```

<properties>
  <scala.version>2.12.10</scala.version>
</properties>

<dependencies>
  <dependency>
    <groupId>org.scala-lang</groupId>
    <artifactId>scala-library</artifactId>
    <version>${scala.version}</version>
  </dependency>
</dependencies>

```

```

<build>
  <plugins>
    <plugin>
      <groupId>net.alchim31.maven</groupId>
      <artifactId>scala-maven-plugin</artifactId>
      <version>3.1.0</version>
      <executions>
        <execution>
          <goals>
            <goal>compile</goal>
            <goal>testCompile</goal>
          </goals>
        </execution>
      </executions>
      <configuration>
        <scalaVersion>${scala.version}</scalaVersion>
      </configuration>
    </plugin>
  </plugins>
</build>

```

## **Error-2**

```

[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 55.347 s
[INFO] Finished at: 2024-10-21T16:26:52+06:00
[INFO] -----
[ERROR] Failed to execute goal on project activemq-leveldb-store: Could not resolve
dependencies for project org.apache.activemq:activemq-leveldb-store:jar:5.10-SNAPSHOT
[ERROR] dependency: org.scalatest:scalatest_2.12.10:jar:1.8 (test)
[ERROR]         could not find artifact org.scalatest:scalatest_2.12.10:jar:1.8 in
eclipse.m2 (https://repo.eclipse.org/content/groups/releases/)
[ERROR]         could not find artifact org.scalatest:scalatest_2.12.10:jar:1.8 in
central (https://repo.maven.apache.org/maven2)
[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/DependencyResolutionException
[ERROR]
[ERROR] After correcting the problems, you can resume the build with the command
[ERROR] mvn <args> -rf :activemq-leveldb-store

```

## **Solution:**

**Commit\_ID: 912446079**

**Module\_Name: activemq-core**

**Error-1:**

```
[INFO] -----
[INFO] Reactor Summary for ActiveMQ 5.3-SNAPSHOT:
[INFO]
[INFO] ActiveMQ ..... SUCCESS [ 1.469 s]
[INFO] ActiveMQ :: KahaDB ..... SUCCESS [ 29.437 s]
[INFO] ActiveMQ :: JAAS ..... FAILURE [ 15.621 s]
[INFO] Openwire Generator ..... SKIPPED
[INFO] ActiveMQ :: jmdns 1.0 ..... SKIPPED
[INFO] ActiveMQ :: Core ..... SKIPPED
```

```

[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 47.776 s
[INFO] Finished at: 2024-10-22T12:47:00+06:00
[INFO] -----
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-surefire-plugin:2.3:test
(default-t-test) on project activemq-jaas: There are test failures. -> [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 :activemq-jaas

```

## Solution:

Skip **activemq-jaas** by explicitly specifying the module because **There are test failures**.

**mvn clean install -DskipTests -pl activemq-core -am -pl \!activemq-jaas**

## **Error-2:**

```

[INFO] -----
[INFO] Reactor Summary for ActiveMQ 5.3-SNAPSHOT:
[INFO]
[INFO] ActiveMQ ..... SUCCESS [ 2.177 s]
[INFO] ActiveMQ :: Kahadb ..... SUCCESS [ 31.399 s]
[INFO] Openwire Generator ..... SUCCESS [ 3.280 s]
[INFO] ActiveMQ :: jmdns 1.0 ..... SUCCESS [ 1.853 s]
[INFO] ActiveMQ :: Core ..... FAILURE [ 0.047 s]
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 40.428 s
[INFO] Finished at: 2024-10-22T12:59:20+06:00
[INFO] -----
[ERROR] Plugin org.apache.activemq.protobuf:activemq-protobuf:1.0-SNAPSHOT or one of
its dependencies could not be resolved:
[ERROR] org.apache.activemq.protobuf:activemq-protobuf:jar:1.0-SNAPSHOT was
not found in https://repository.apache.org/content/repositories/snapshots/ during a
previous attempt. This failure was cached in the local repository and resolution is
not reattempted until the update interval of apache.snapshots has elapsed or updates
are forced
[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/PluginResolutionException

```

Solution:

