No provider of jakarta.mail.util.StreamProvider was found

Asked 1 month ago   Modified 3 days ago   Viewed 372 times

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I'm getting the error below. Any idea how to fix this? Spring boot version: 3.3.0. Java version: 17.

Error:

```
Caused by: java.lang.IllegalStateException: No provider of
jakarta.mail.util.StreamProvider was found
at jakarta.mail.util.FactoryFinder.find(FactoryFinder.java:61)
at jakarta.mail.util.StreamProvider.provider(StreamProvider.java:199)
at jakarta.mail.Session.<init>(Session.java:257)
at jakarta.mail.Session.getDefaultInstance(Session.java:383)
at jakarta.mail.Session.getDefaultInstance(Session.java:423)
```

Java code:

```java
import jakarta.mail.internet.MimeMessage;

MimeMessage mimeMessage = new MimeMessage(Session.getDefaultInstance(new
Properties()));
```
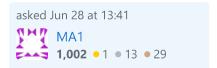
pom.xml:

```xml
<dependency>
    <groupId>jakarta.mail</groupId>
    <artifactId>jakarta.mail-api</artifactId>
    <version>2.1.3</version>
</dependency>
<dependency>
    <groupId>com.sun.mail</groupId>
    <artifactId>jakarta.mail</artifactId>
    <version>2.0.1</version>
</dependency>
```

`java` `spring` `spring-boot` `pom.xml` `jakarta-mail`

Share Edit Follow   edited Jun 28 at 16:34   asked Jun 28 at 13:41

🔲 MA1

1,002 ● 1 ● 13 ● 29

2 Answers

Sorted by: Highest score (default) ⬍

Eclipse `angus-mail` is the successor of the sum mail impl(`com.sun.mail:jakarta-mail`), replace your sun mail dependency with the following.

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```
<dependency>
    <groupId>org.eclipse.angus</groupId>
    <artifactId>angus-mail</artifactId>
    <version>2.0.3</version>
</dependency>
```

And you also need `jakarta-acitivation` in the dependencies when using Jakarta Mail API.

Check my example with the custom config from scratch without Spring Boot:
https://github.com/hantsy/spring6-sandbox/blob/master/mail/

But for Spring Boot users, the simplest way is to utilize `mail` starter, and inject `JavaMailSender` directly into your application to send an email.

Share Edit Follow   edited Jul 2 at 1:35   answered Jul 1 at 1:37

Hantsy
8,907 ● 10 ● 68 ● 127

I tried to replace the dependency, but I'm getting this error now. `java.lang.ClassCastException: class com.sun.mail.handlers.text_html cannot be cast to class jakarta.activation.DataContentHandler (com.sun.mail.handlers.text_html and jakarta.activation.DataContentHandler are in unnamed module of loader 'app')`
— MA1 Jul 1 at 14:12 ✏

I am not sure you have updated your deps, when using Eclipse Angus, all namespaces are updated to `org.eclipse.angus` . — Hantsy Jul 2 at 1:27

I tried to replace the dependency, but I'm getting this error now.
java.lang.ClassCastException: class com.sun.mail.handlers.text_html cannot be cast to

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class jakarta.activation.DataContentHandler (com.sun.mail.handlers.text_html and jakarta.activation.DataContentHandler are in unnamed module of loader 'app')

Don't mix the old activation.jar with the new jaf-api and angus-activation jars. There is a bug where mixing the old com.sun classes with the org.eclipse classes doesn't work correctly. See [Using Jakarta mail and Javamail in the same runtime](#).

The 4 dependencies you want are:

```xml
<dependency>
  <groupId>jakarta.activation</groupId>
  <artifactId>jakarta.activation-api</artifactId>
  <version>2.1.3</version>
</dependency>
<dependency>
  <groupId>org.eclipse.angus</groupId>
  <artifactId>angus-activation</artifactId>
  <version>2.0.2</version>
</dependency>

<dependency>
  <groupId>jakarta.mail</groupId>
  <artifactId>jakarta.mail-api</artifactId>
  <version>2.1.3</version>
</dependency>
<dependency>
  <groupId>org.eclipse.angus</groupId>
  <artifactId>angus-mail</artifactId>
  <version>2.0.3</version>
</dependency>
```

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answered Aug 1 at 3:29

jmehrens
10.9k ● 1 ● 40 ● 49