Java 11 Features

Gabriela Moraes & Priscila Feijó

Dell Technologies

Agenda

- Release cadence, licensing
- New features
- Upgrading from Java 8 to 11

Why Java 11?

Release cadence

Licensing

As of Java 9 – Oracle Java is still free for developing and testing but is not to be used in production

Oracle contributed all the JDK features to OpenJDK 11, under GNU General Public License, making them interchangeable

Oracle will only support commercial users that have a subscription

Oracle will only provide updates to the latest version of OpenJDK, which means you'll have to update every 6 months

Pick a flavor

AdoptOpenJDK

Sap Machine

AZUL SYSTEMS®

redhat.

Pivotal® OpenJDK

https://dzone.com/articles/an-overview-on-jdk-vendors
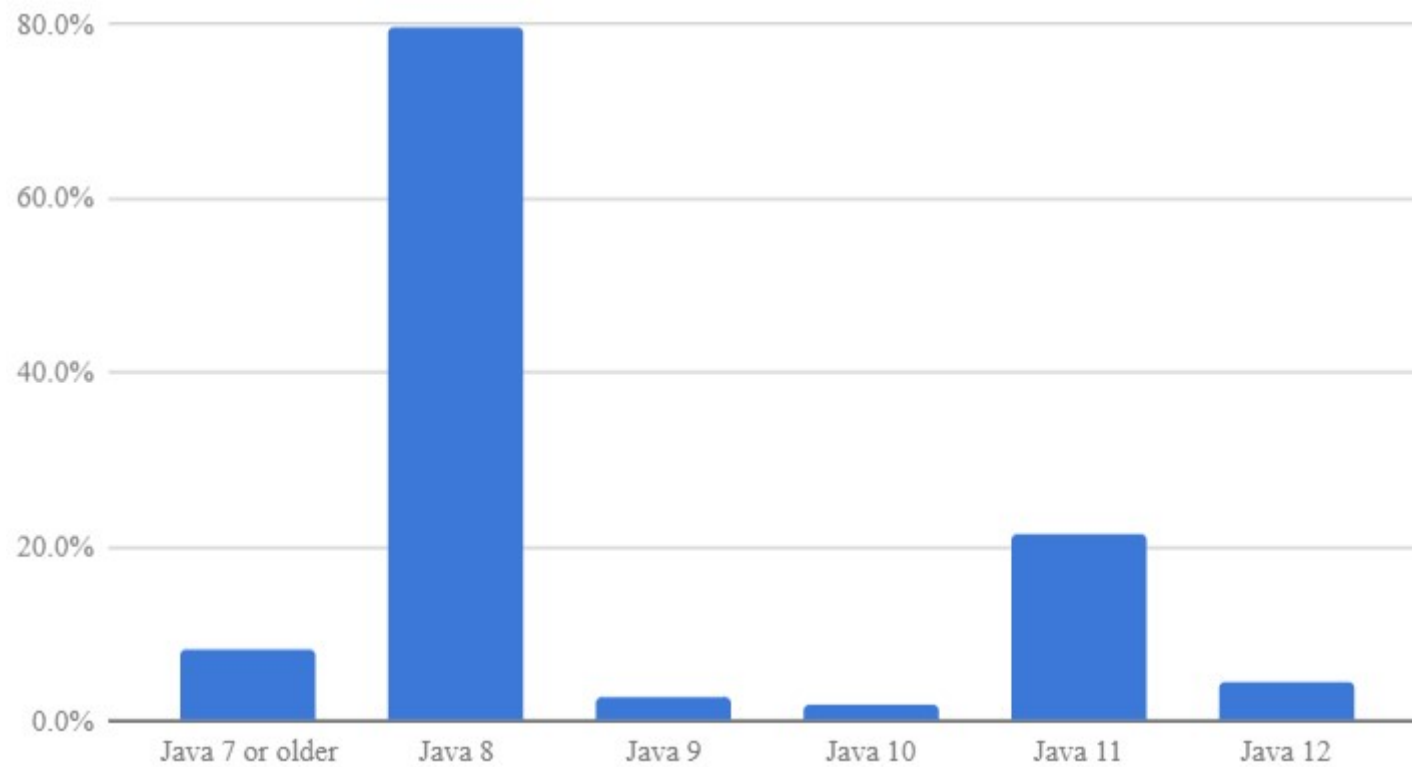
Talk is cheap. Show me the code.

- Linus Torvalds

Java 11 Features

- Type inference (var)
- New utility methods in String class
- Optional library improvements
- Local-Variable Syntax for Lambda Parameters
- Reading/Writing Strings to and from the Files
- **JEP 321: HTTP Client**
- **JEP 328: Flight Recorder**

Java Adoption

Source: https://www.baeldung.com/java-in-2019
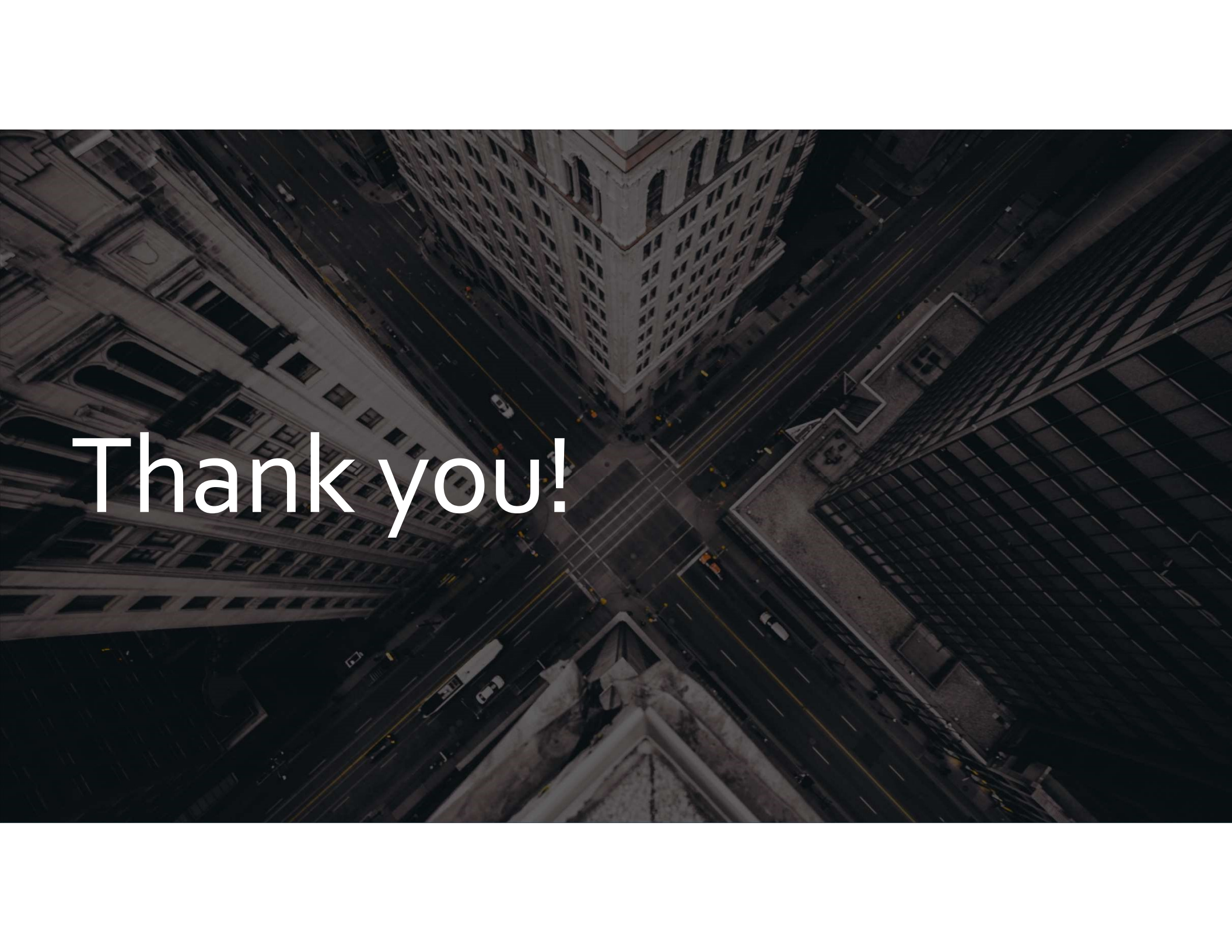
How to upgrade?

- Just do it
- Address compiler warnings
- Update your dependencies
- Keep an eye on removed libraries and deprecations

Why upgrade?

- Security
- Performance
- Maintainability
- Productivity and Stability

Further reading/studying

- Github: https://github.com/gabrielaomoraes/java-sandbox
- Life After Java 8 by Trisha Gee - https://www.youtube.com/watch?v=eBuFzQeiGeo
- Key changes from Java 8 to 11 - https://blog.idrsolutions.com/2019/05/java-8-vs-java-11-what-are-the-key-changes/
- Java 11 Migration Guide - https://blog.codefx.org/java/java-11-migration-guide/
- Oracle Java Licensing FAQ - https://www.oracle.com/technetwork/java/javase/overview/oracle-jdk-faqs.html

Thank you!

Let's keep in touch!

Gabriela Moraes
Linkedin: https://www.linkedin.com/in/gabrielaomoraes/

Priscila Feijó
Linkedin: https://www.linkedin.com/in/priscila-feijo-75367717/