J2EE, Java EE and Jakarta EE. WTF?

- J2EE 1.2 (December 12, 1999)
- J2EE 1.3 (September 24, 2001)
- J2EE 1.4 (November 11, 2003)
- Java EE 5 (May 11, 2006)
- Java EE 6 (December 10, 2009)
- Java EE 7 (June 12, 2013)
- Java EE 8 (August 31, 2017)
- Jakarta EE (September 12, 2017)

Java EE

J2EE 1.2
Servlet,
JSP, EJB, JMS,
JTA, RMI-IIOP
1999
J2EE 1.3
EJB 2.0,
JSTL,
JAAS,
JCA
2001
J2EE 1.4
EJB 2.1,
WebServices,
JAXP,
JSF,
JMX,
Deployment
2003
Java EE 5
JPA,
EJB 3.0,
JAX-WS,
JAXB,
SAAJ,
StAX
2006
Java EE 6
JAX-RS,
CDI,
BV,
Servlet 3.0,
EJB 3.1,
JPA 2.0
2009
Java EE 7
JAX-RS 2.0,
WebSocket,
JSON-P,
Concurrency,
JMS 2.0
2013
Java EE 8
JSONB,
Security,
JSONP 1.1,
JAX-RS 2.1,
Servlet 4.0,
CDI 2.0,
BV 2.0
JSF 2.3
2017

Historical Perspective

- External motivation
  - Perceived lack of progress
  - Concerns about governance
  - Slow release cadence
  - Vendor dissatisfaction
- Internal Motivation
  - Costly to maintain external community
  - Responsibility to build, manage, and maintain the reference implementations

Spring
Hibernate
J2EE

Java EE

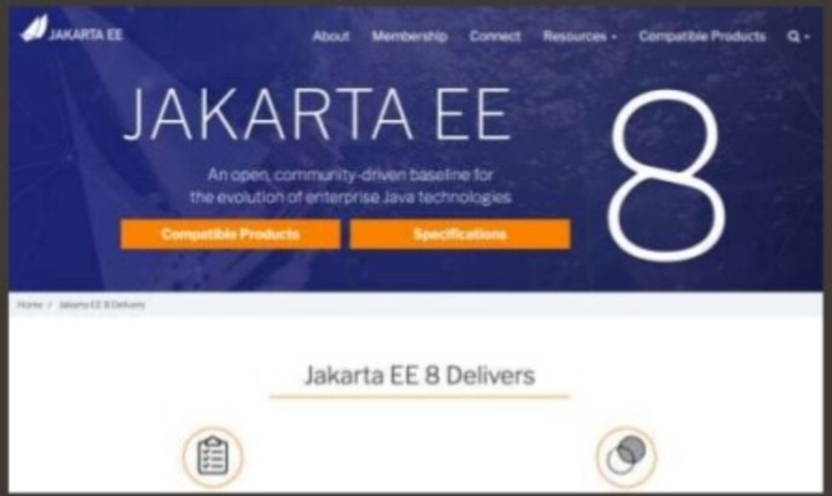
- Specification First
- Led be Specification Lead
- Documents and TCKs are closed source
- One reference implementation
- Oracle certification

Jakarta EE

- Code First
- Collaborative
- Documents and TCKs are open source
- One or more compatible implementations
- Self certification

Jakarta EE 8 is released!

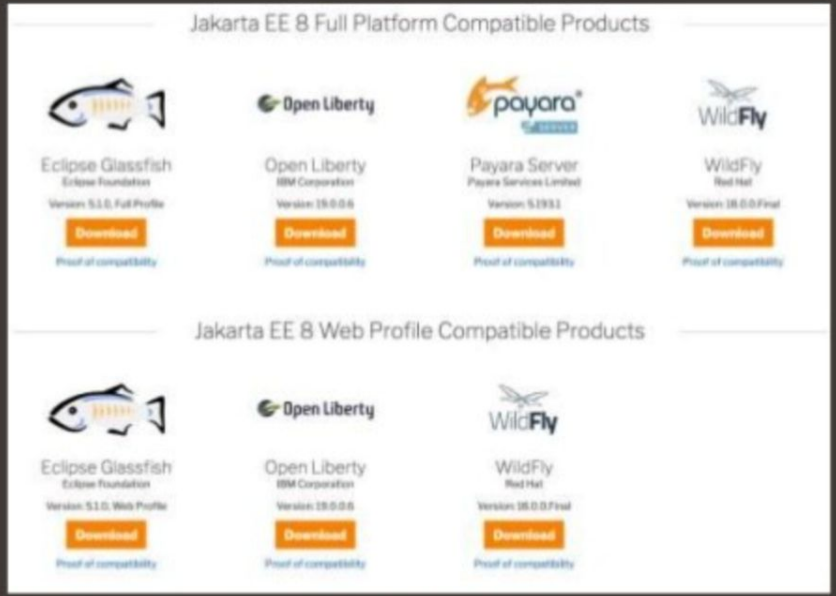
- Launched during JakartaOne LiveStream on Sep. 10, 2019
- Compatible with Java EE 8
- Open Specifications
- Open Source TCK License and Process
- Compatible Implementations



https://jakarta.ee/release/

Compatibility

- Four full profile compatible implementations
- Three web-profile compatible implementations
- All specifications include at least one compatible implementation
- Branding requirements



https://jakarta.ee/compatibility/

Eclipse Enterprise for Java - EE4J

Technology

IBM
ORACLE
redhat

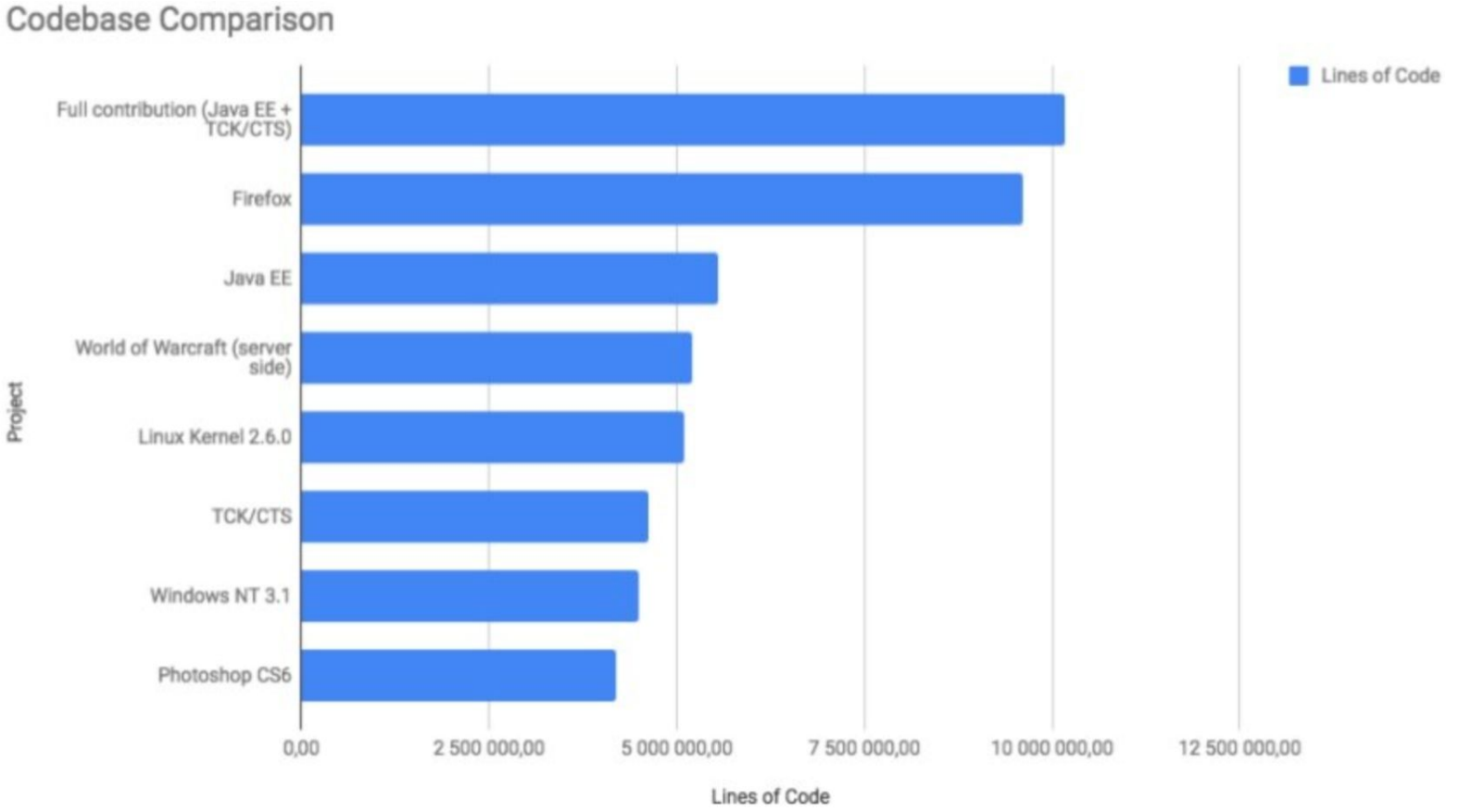
Community and Vendors

Sponsorship

eclipse
Enterprise for Java

- ✓ Nimble
- ✓ Flexible
- ✓ Open
- ✓ Compatible

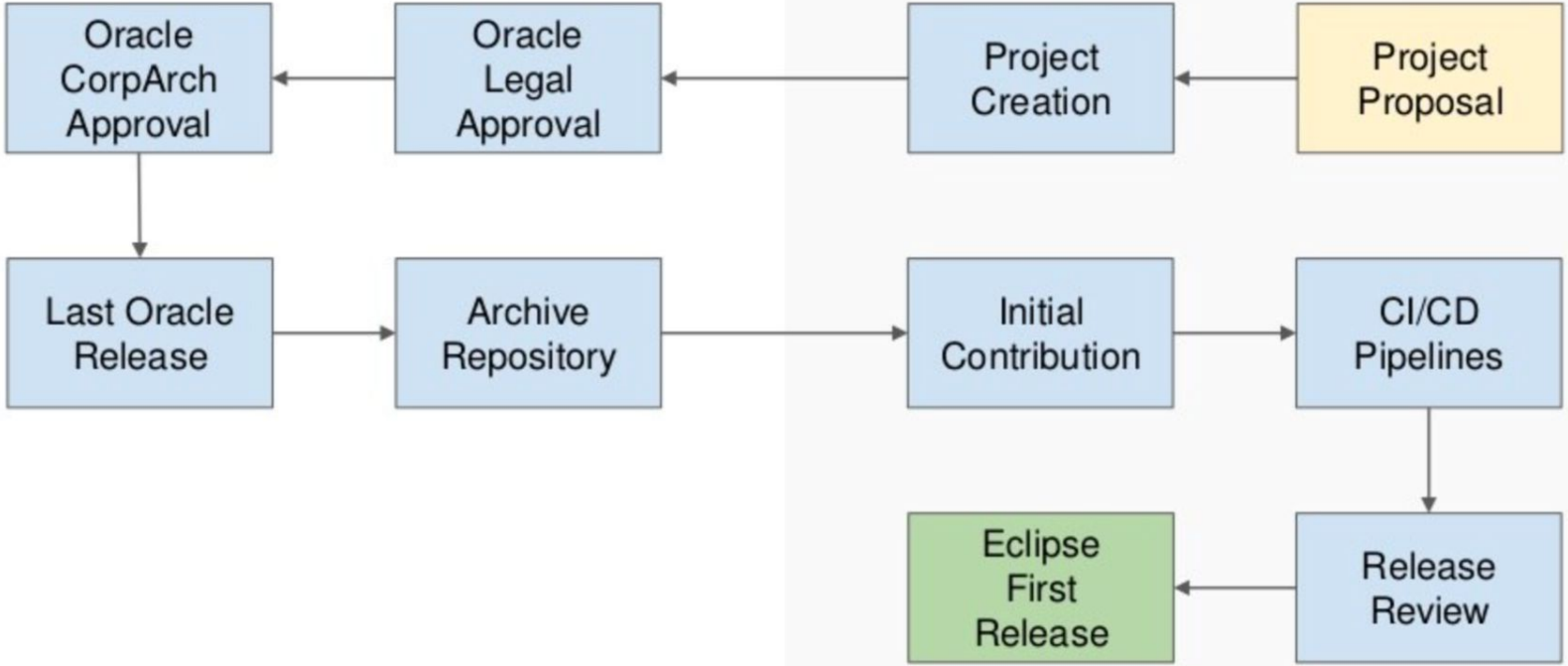
13.5 million lines of code in **95k** files.



Based on data provided by https://informationisbeautiful.net

Java EE

JAKARTA EE



What is next?

- That's really up to the community
- Jakarta EE Platform project is responsible for Jakarta EE 9
  - https://projects.eclipse.org/projects/ee4j.jakartaee-platform
  - jakartaee-platform-dev@eclipse.org
- The plan must deliver a Jakarta EE 9 Delivery Plan to the Steering Committee no later than **December 9, 2019**