

Jakarta EE

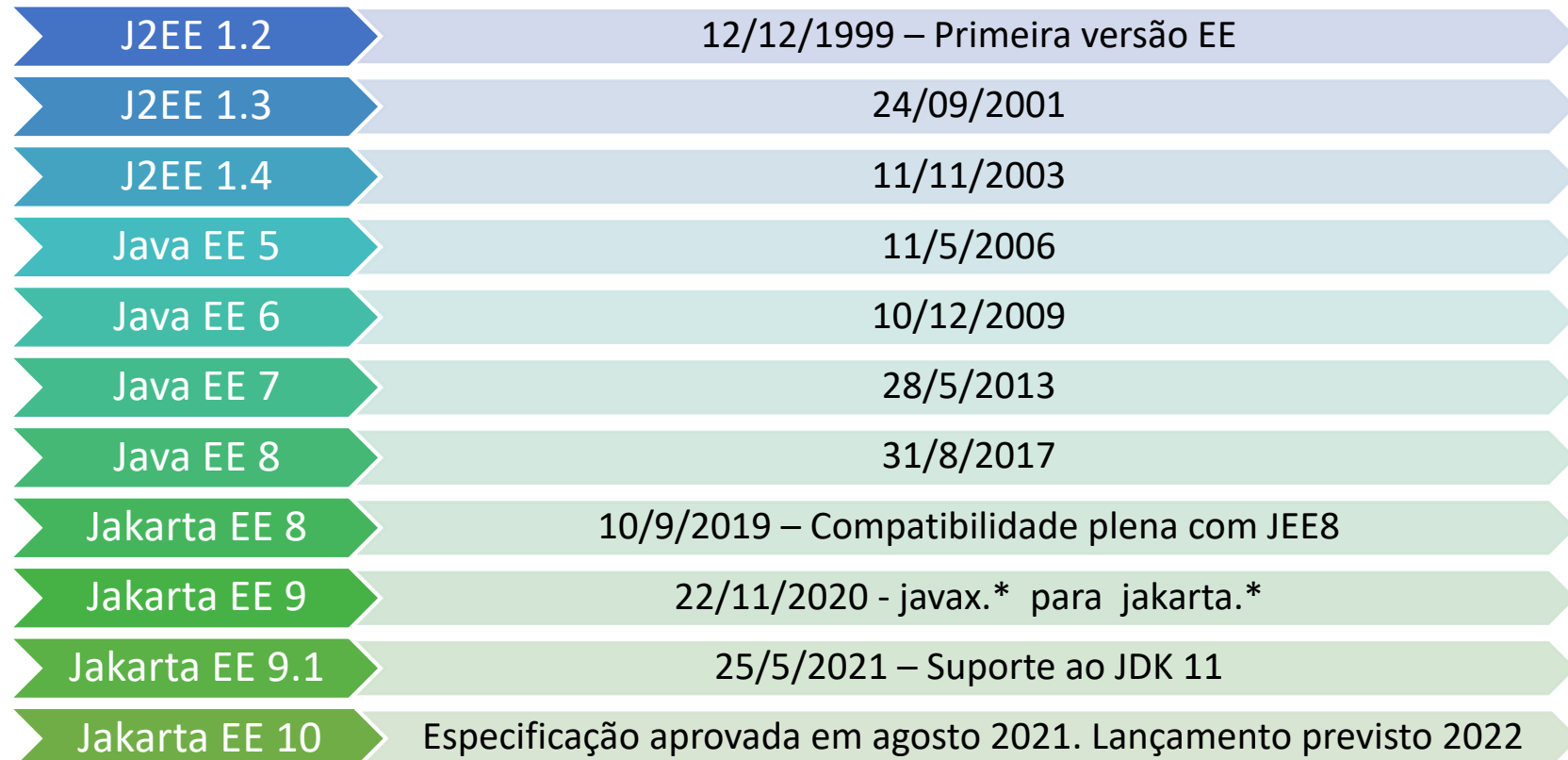
Prof. Dr. Alexandre L'Erario



Sumário

- Evolução da plataforma EE
- Características
- Modelos e componentes

JEE - Evolução



A horizontal timeline showing the evolution of Java Enterprise Edition (JEE) from J2EE 1.2 to Jakarta EE 10. Each version is represented by a colored arrow pointing right, with the version name on the left and the release date and key milestones on the right. The colors transition from dark blue for J2EE 1.2 to light green for Jakarta EE 10.

J2EE 1.2	12/12/1999 – Primeira versão EE
J2EE 1.3	24/09/2001
J2EE 1.4	11/11/2003
Java EE 5	11/5/2006
Java EE 6	10/12/2009
Java EE 7	28/5/2013
Java EE 8	31/8/2017
Jakarta EE 8	10/9/2019 – Compatibilidade plena com JEE8
Jakarta EE 9	22/11/2020 - javax.* para jakarta.*
Jakarta EE 9.1	25/5/2021 – Suporte ao JDK 11
Jakarta EE 10	Especificação aprovada em agosto 2021. Lançamento previsto 2022

<https://projects.eclipse.org/projects/ee4j.jakartaee-tck>

Jakarta EE - features

- De JCP para EFSP
 - *Eclipse Foundation Specification Process*
 - (https://www.eclipse.org/projects/dev_process)
- Cloud native java
- Containers
- Microserviços

Jakarta EE

- Desenvolvimento de software corporativo fácil
- Conjunto grande de API's para desenvolver software corporativo:
 - Reduz a complexidade
 - Melhora a performance
 - Escalabilidade
- Modelo de programação simplificado:
 - Xml descriptors são opcionais (até para os Servlets)
 - Inserção de dependência: Uso simplificado de recursos
- Suporte nativo a Web Services/REST

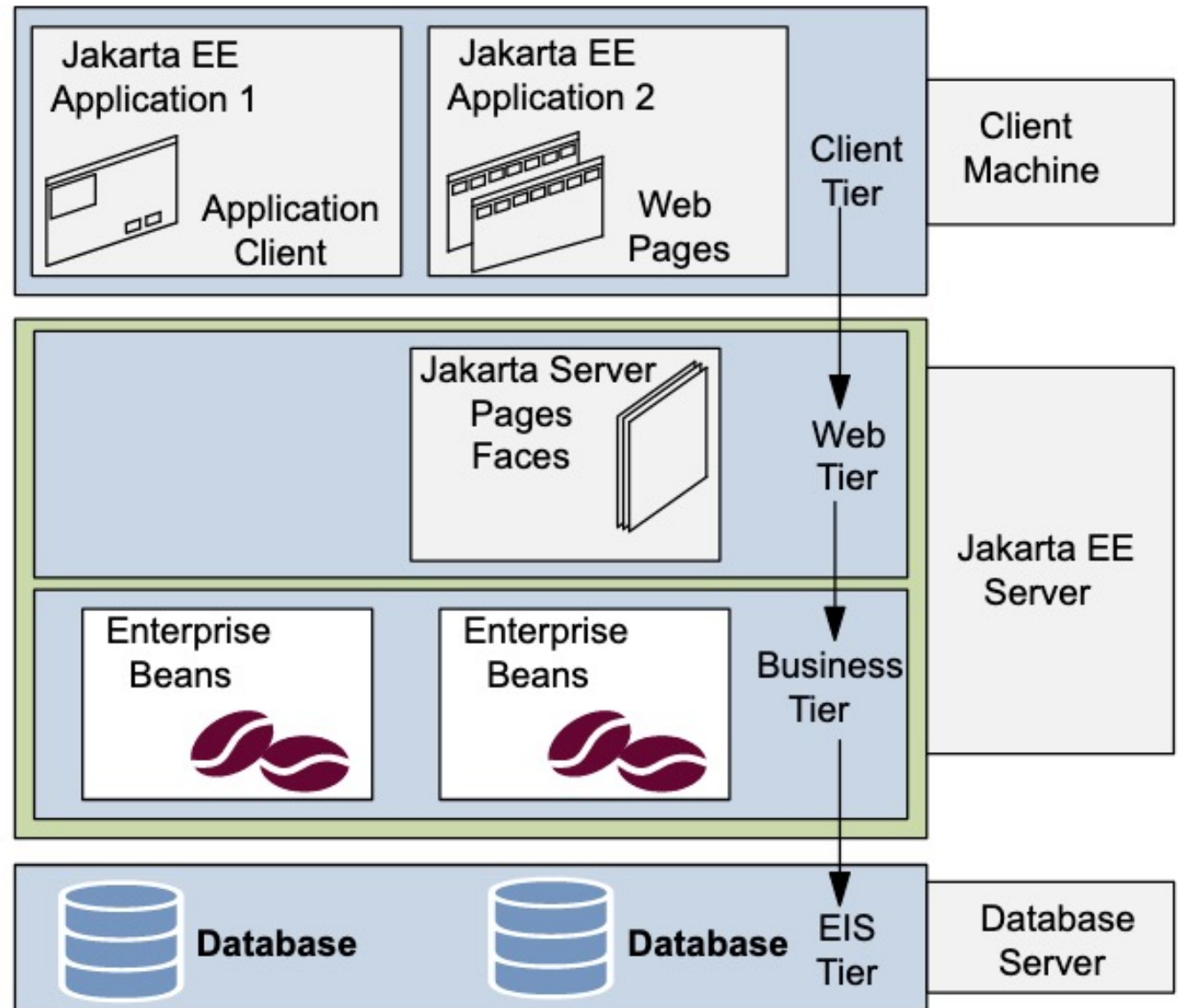
Java EE Application Model

- **Distributed Multitiered Applications**

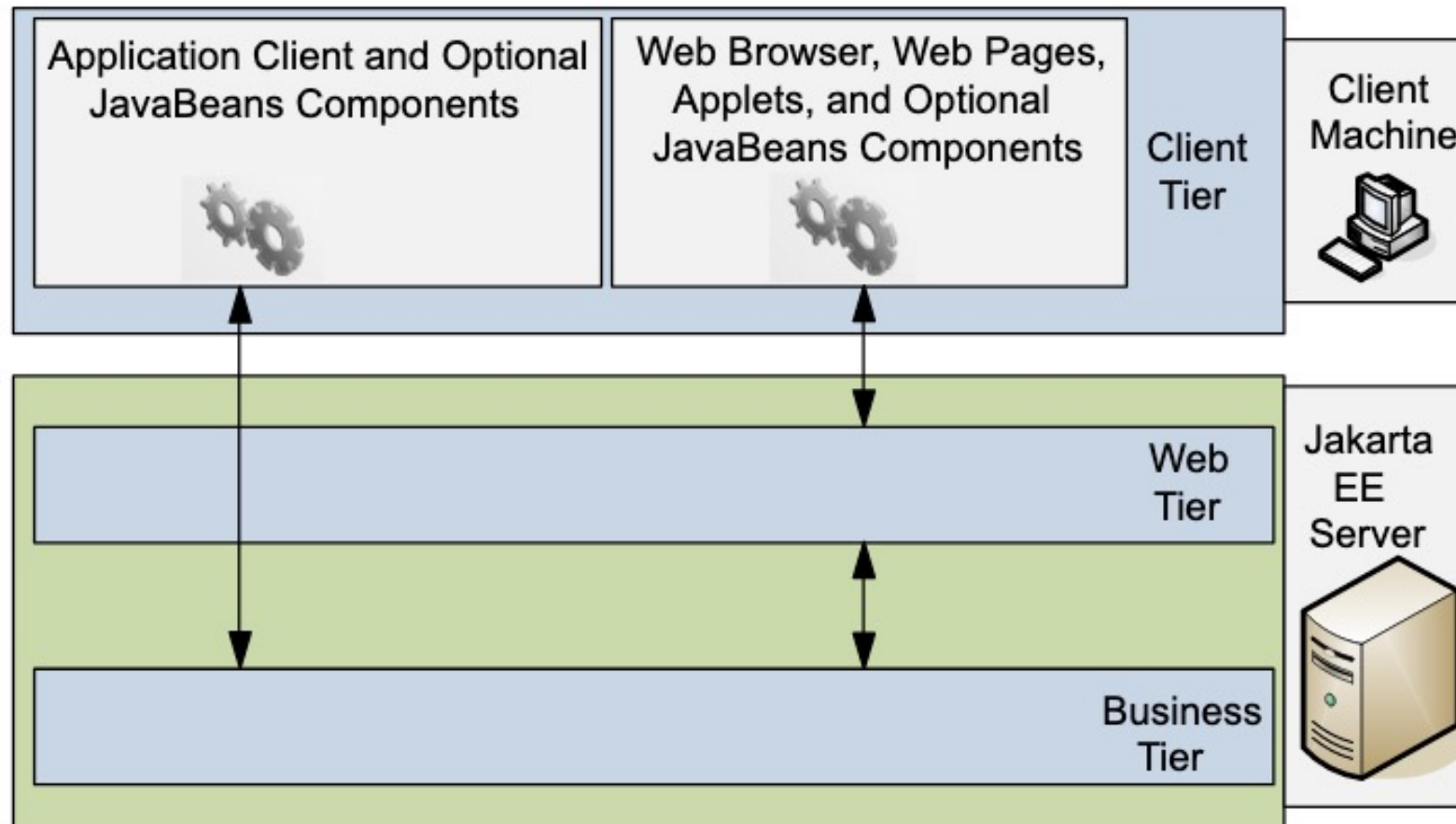
- Client-tier components run on the client machine.
- Web-tier components run on the Java EE server.
- Business-tier components run on the Java EE server.
- Enterprise information system (EIS)-tier software runs on the EIS server.

Jakarta EE

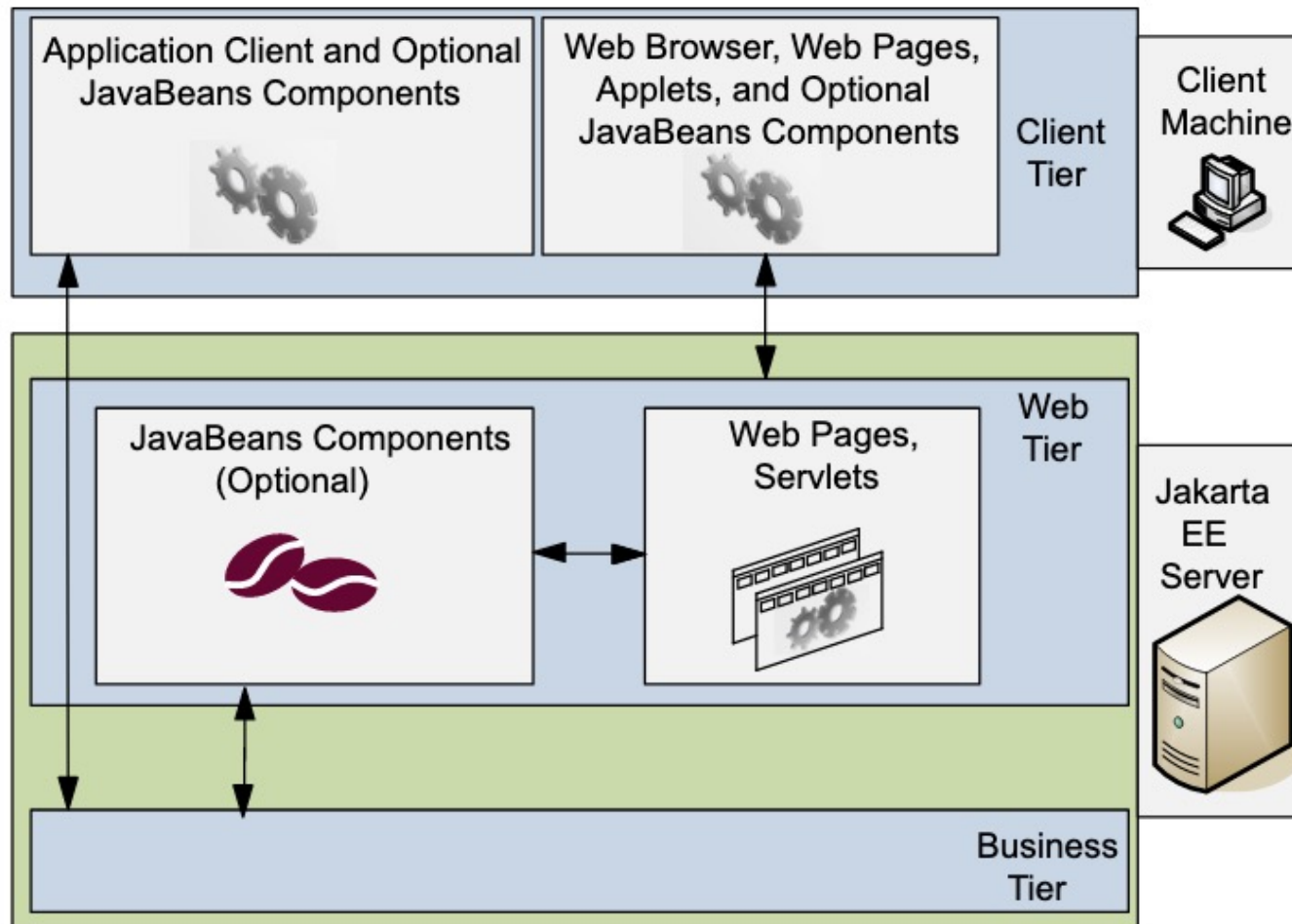
Application Model



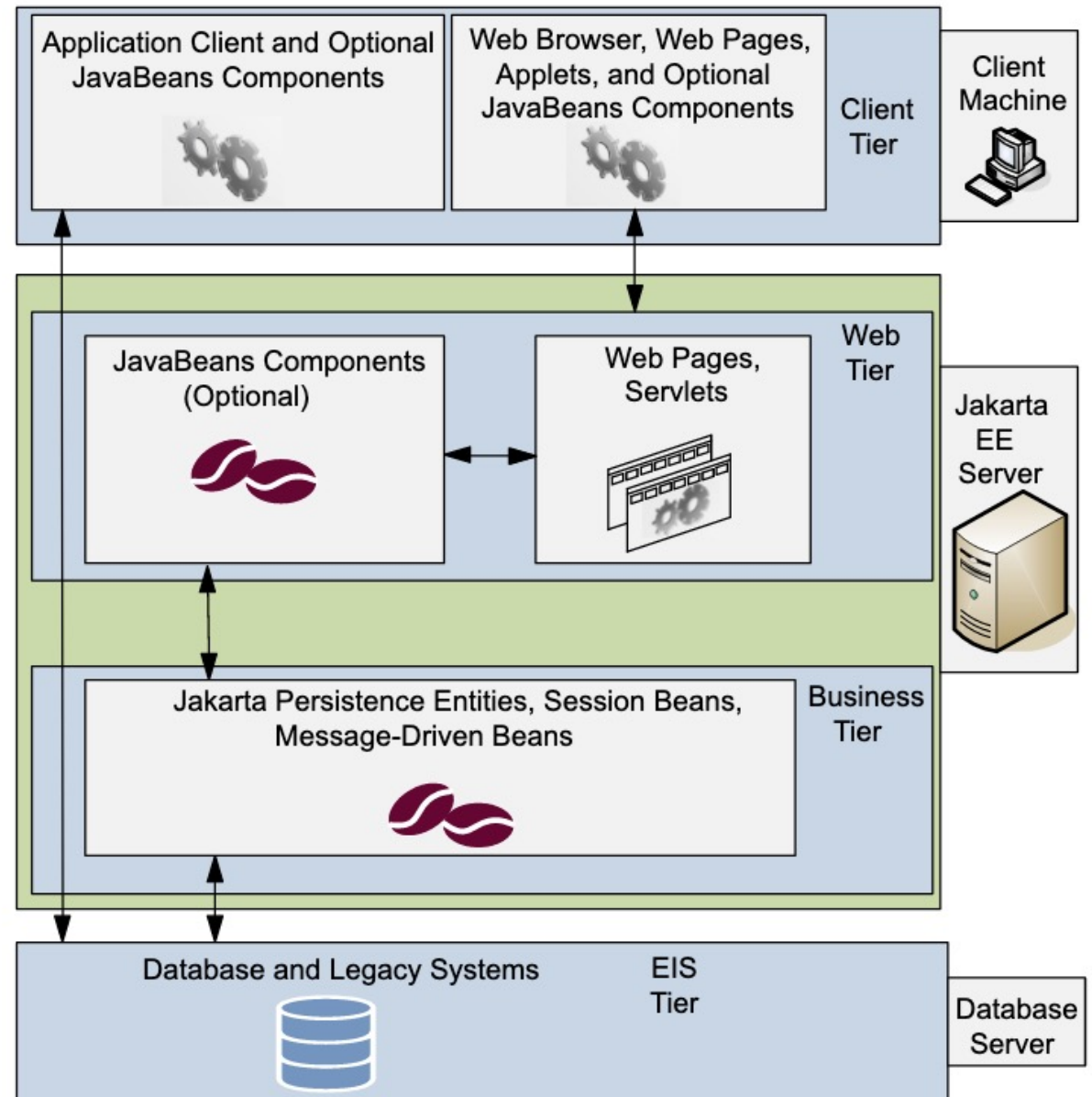
EE Server Communications



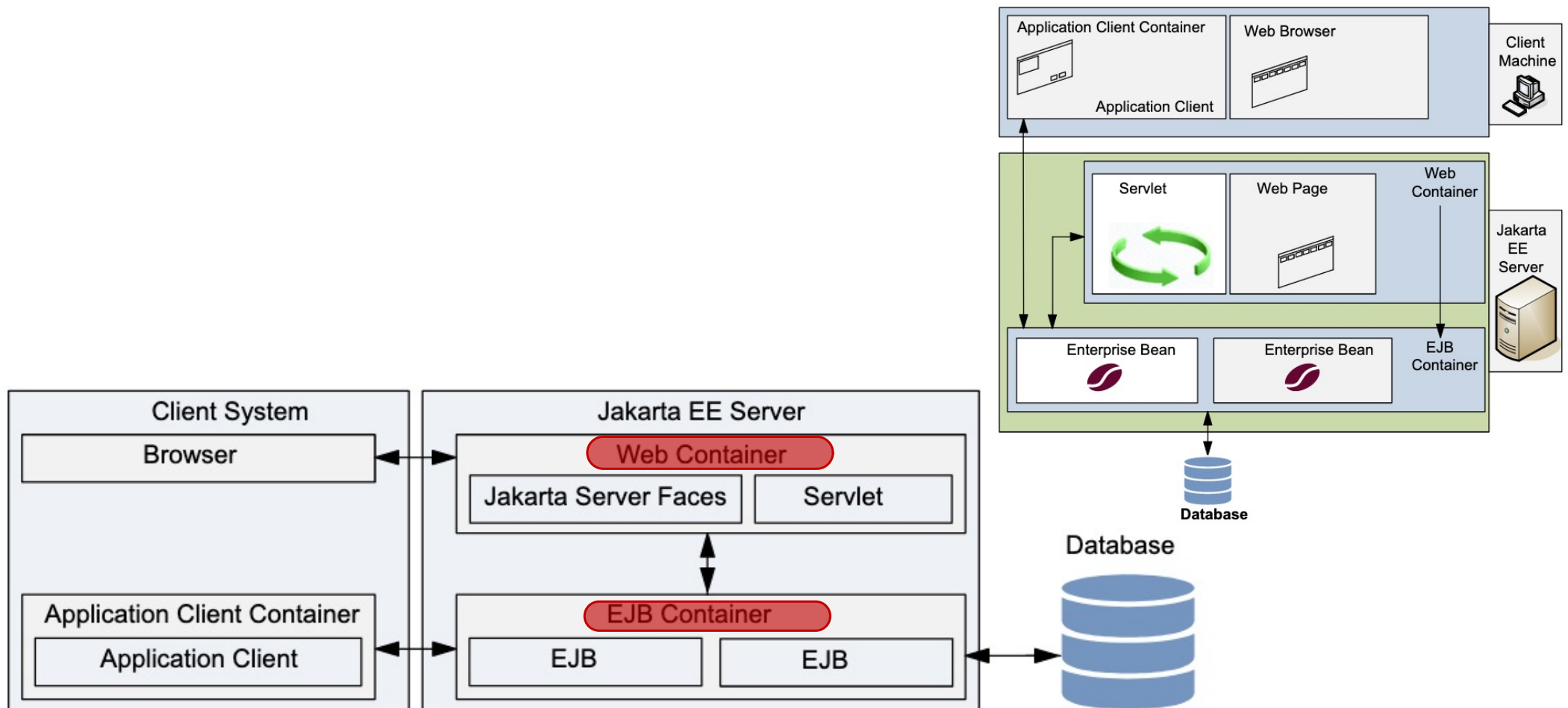
Jakarta EE – Web Tier



Business / EIS

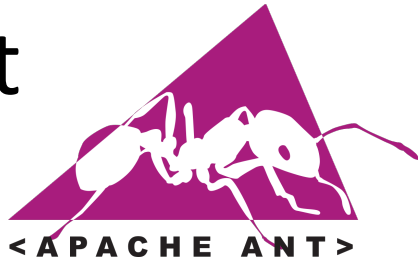


EE Containers



Ferramentas de build – Considerações finais

- Ant



- Maven



- Gradle

