Lessons learned from real-world deployments of Java EE 7

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ENTERPRISE EDITION

DEVELOPER PRODUCTIVITY

Java EE 7

MEETING ENTERPRISE DEMANDS

HTML 5
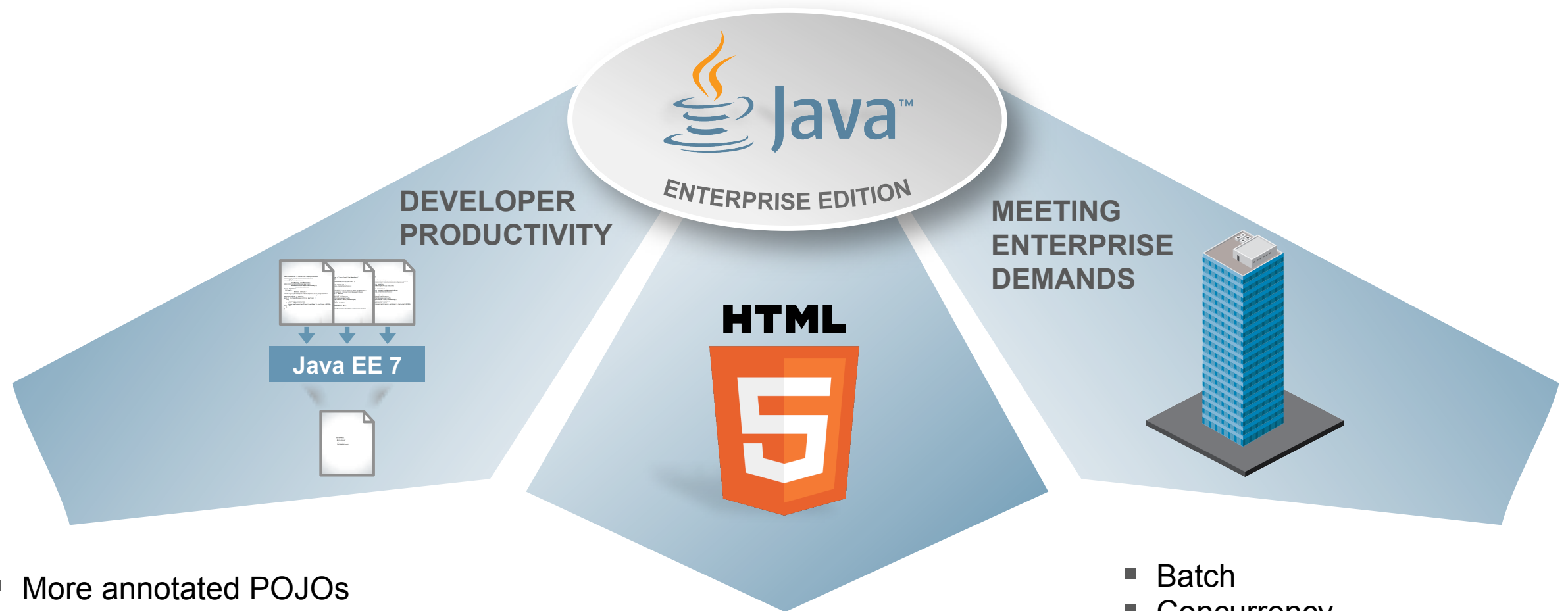
- More annotated POJOs
- Less boilerplate code
- Cohesive integrated platform

- WebSockets
- JSON
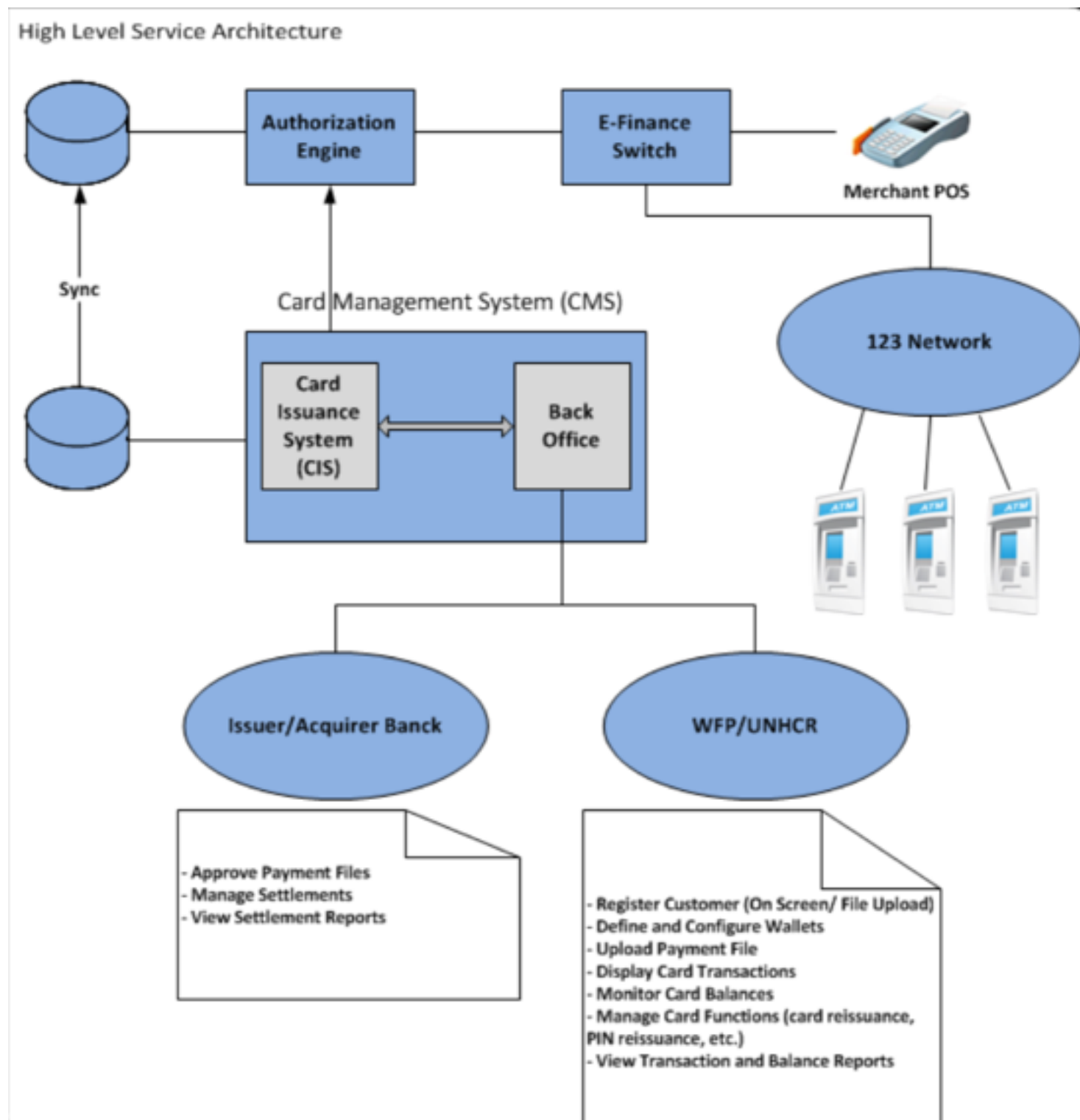- Servlet 3.1 NIO
- REST

- Batch
- Concurrency
- Simplified JMS

- Purpose

- Architecture and Technology diagrams

- Technologies used

- Additional libraries

- Runtime

- Tools

- UN agency to protect and support refugees

- Help UN refugees to get benefits through secured card wallets

Architecture

High Level Service Architecture

Technology

Technology

- JSON: Notification messages to agents

- Batch: End of day tasks like posting of accounts, generation of reports, email to clients and banks

- Concurrency: Managed threads pool (what configuration ?)

- EJB: Backend services (locally and remotely)

- JAX-WS: Integration with their (who?) systems

Technology

- JPA: Stored procedure calls (which database?), two-way schema (how and why?), object generations (??), synchronization (??)

- Default CDI enabled

Additional Libraries

- PrimeFaces

  - Great support in NetBeans

  - Generator plugin (in NetBeans?) that facilitate and streamline development of pages based on entity beans

Runtime

- GlassFish 4

  - Deployed locally

- Java SE 7

Tools

- NetBeans 7.4

  - Enhanced GlassFish management

  - Many templates to start from

  - PrimeFaces generator plugin

Acknowledgments

Yougi

- Manage online user groups of any kind and domain

  - Provides member's complete lifecycle: registration, participation, cancelation, expulsion?

  - Generate stats for leaders

  - Event management, blogging, email lists

- Originally conceived and developed by CEJUG

Architecture Diagram

Technology Diagram

Technology

Additional Libraries

Runtime

Tools

Acknowledgments

miles2run.org

- TBD

Architecture Diagram

- Block diagram of functionality

Technology Diagram

- Each block/arrow replaced with Java EE 7 technologies

Technology

- Which Java EE 7 technologies ?

Additional Libraries

Runtime

- WildFly

- OpenShift

Tools

Acknowledgments