

INTRODUCTION TO JAVA ENTERPRISE EDITION

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WHAT IS JAVA EE

- **Java EE** (*Java Platform, Enterprise Edition* now known as *Jakarta*) is an **extension of Java SE**.
- It is **designed for developing large-scale, distributed, and multi-tier applications**.
- Provides standardized **APIs for web, business, and database layers**.
- Ensures **portability, security, and scalability across servers**.

KEY FEATURES OF JAVA EE

- Multi-tier architecture: Client, Web, Business, and Data tiers.
- Platform **independent** and **vendor neutral**.
- Built-in support for **security**, **transactions**, and **concurrency**.
- Simplifies **enterprise development** using **managed components**.

JAVA EE COMPONENTS

- **Servlets** – Process HTTP requests and responses.
- **JSP** – Create dynamic web content.
- **EJB** – Handles business logic and transactions.
- **JPA** – ORM-based database interaction.
- **JMS** – Messaging between distributed systems.

APPLICATIONS AND CONCLUSION

- Used in banking systems, **ERP software**, and **e-commerce platforms**.
- Supports **secure**, **scalable**, and **maintainable applications**.
- **Java EE** reduces **development complexity** using **standard APIs**.
- It remains a **strong foundation** for **enterprise Java development**.