Lesson 7
Applications Integration

Application Integration

- Application software may consists of number of Applications

- Applications integration: a process of deploying number of applications and services into one Application

- Example: Weather Forecasting consisting of location, satellite maps, predicative analytics,….

Complex Application integration

- Integration of heterogeneous application architectures and number of processes

Complex Application integration

- An Enterprise has number of Applications/Services and Processes.

- Heterogeneous systems complexity when integrating them in the Enterprise.
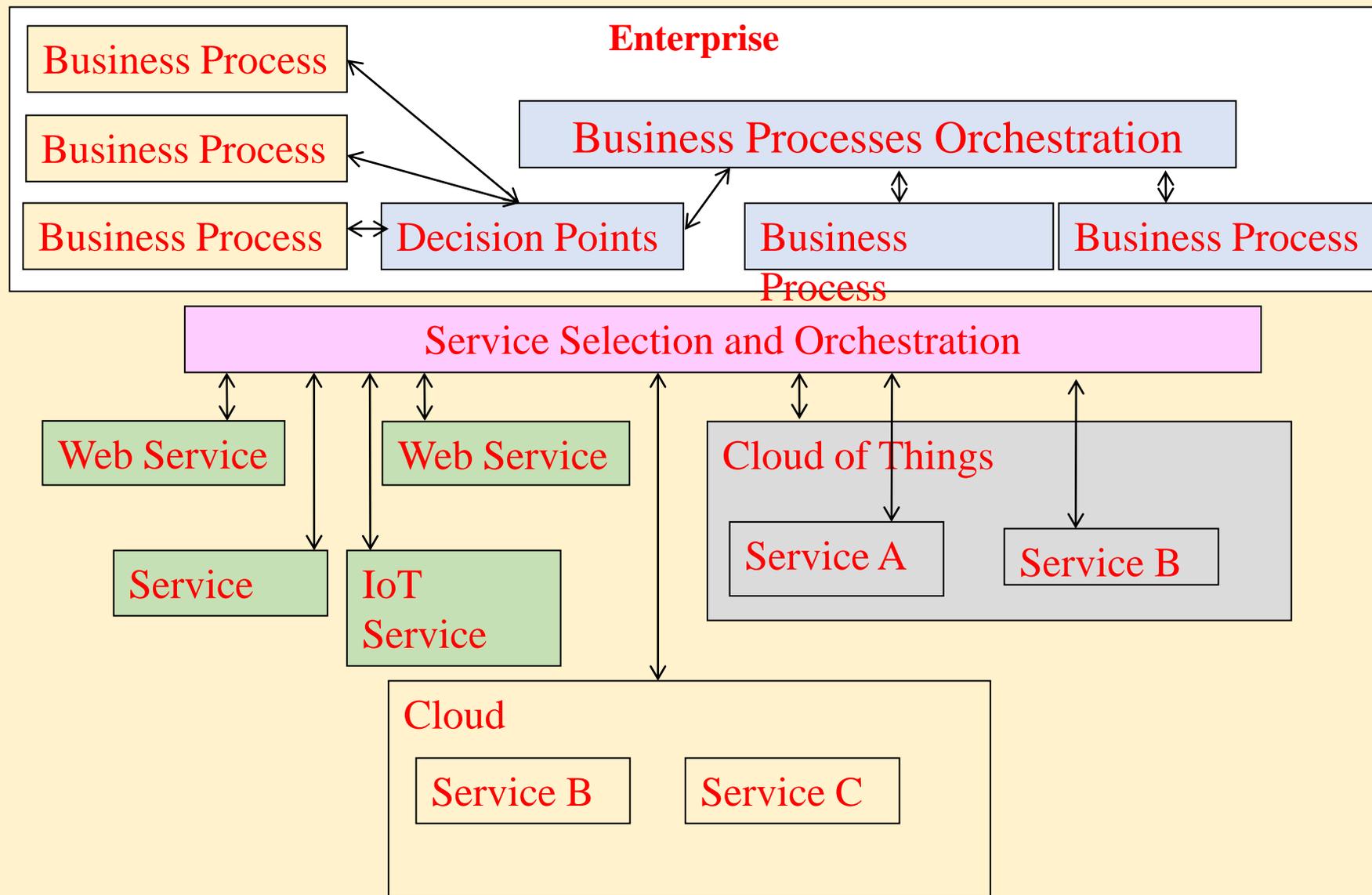
Fig. 5.4 Complex Applications Integration Architecture and Service Oriented Architecture (SOA) of cloud based IOT services, web services, cloud services and services.

… Oracle Application Integration Architecture

- Collaboration/Knowledge Management

- Enterprise Architecture/SOA

- e-Commerce

- External Customer Services

- Supply Chain Automation/Visualisation

- Data Centre Optimisation

Decision Points

- Process matrix provides the decision points
- Which processes should run in parallel and which in sequence

Integration

- Number of Business Processes interact with decision points
- Decision point results integrate into a process orchestrator
- Process orchestration enables a number of business processes run in parallel and a number of processes in sequences (Fig.5.4)

Summary

We learnt

- Application Integration
- Complex Application integration
- Oracle Application Integration Architecture

End of Lesson 7 on Applications Integration