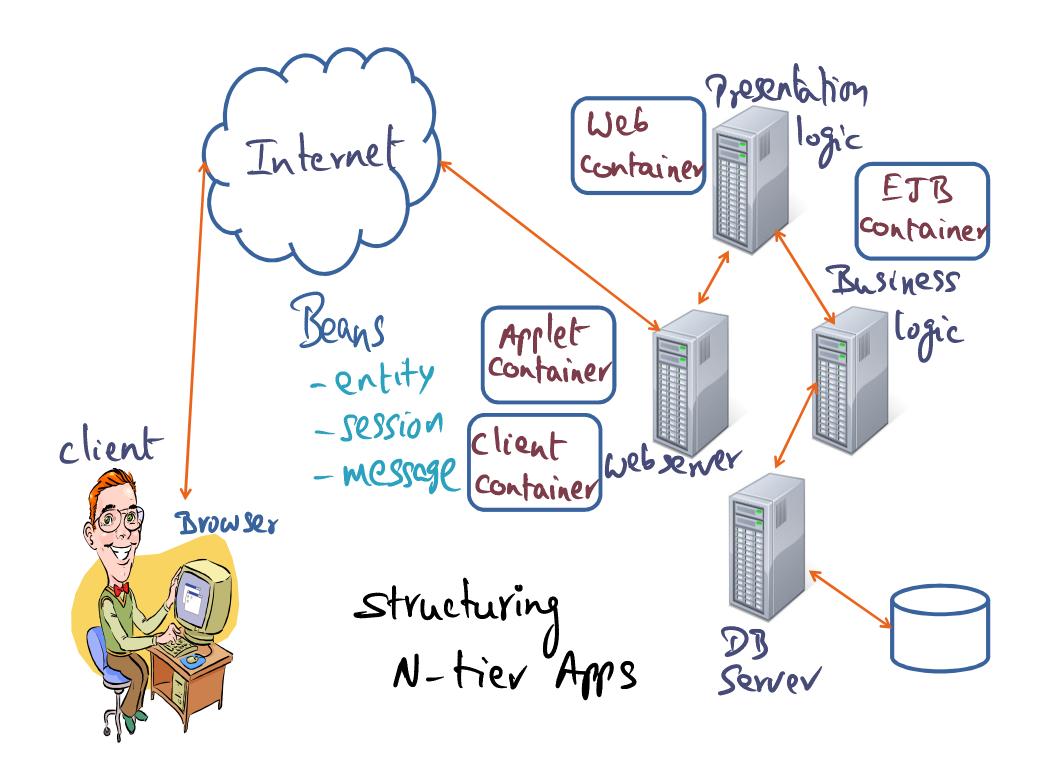
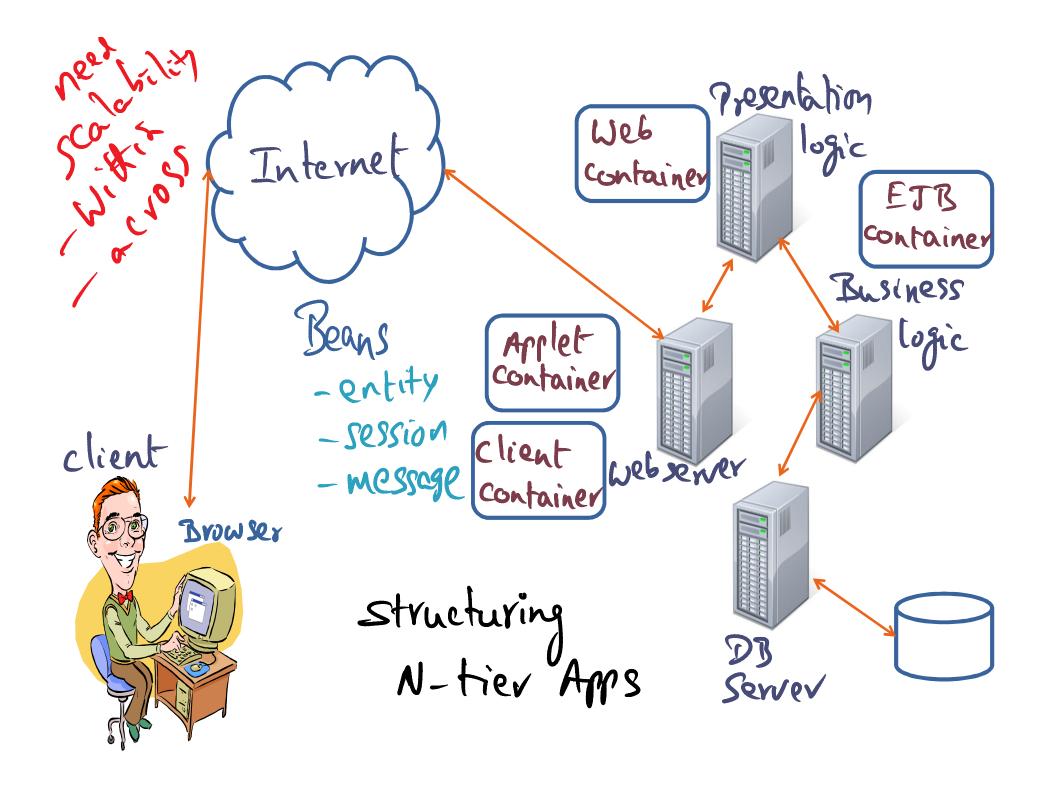
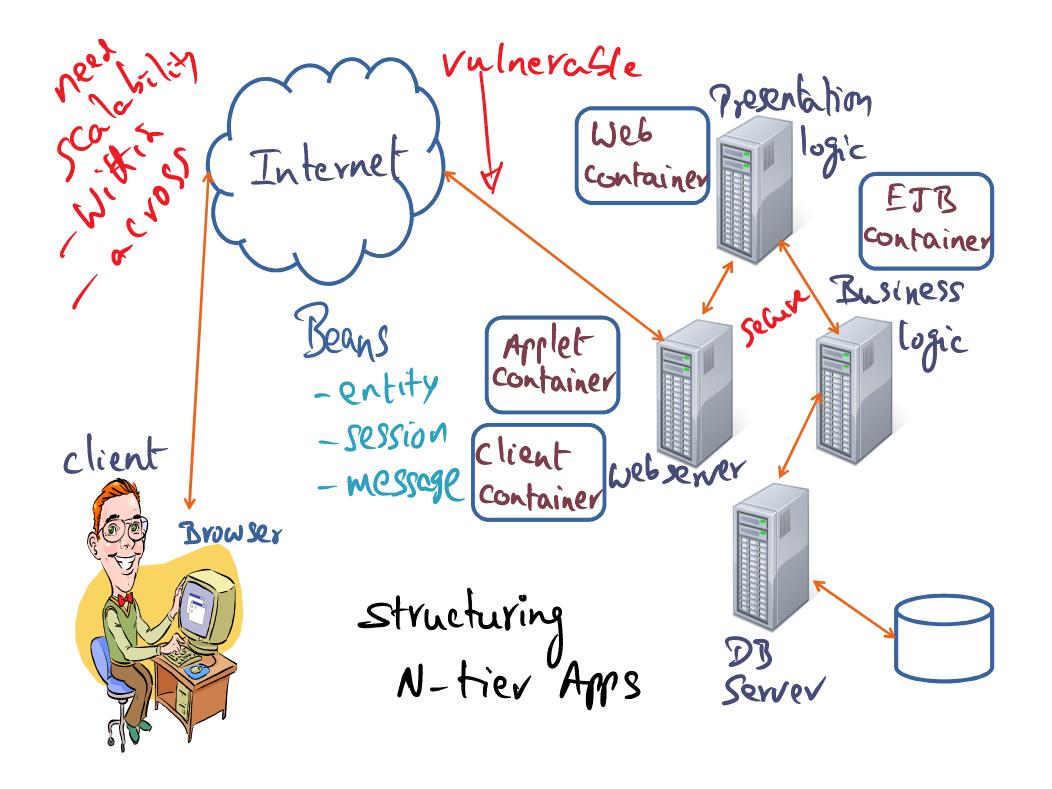
Today Distributed Objects (Lesson G) Spring Kernel Java RMI ET3 Distributed Subsystems (Lesson 7) \* Global memory system Yousef Khalidi gnest Lecture

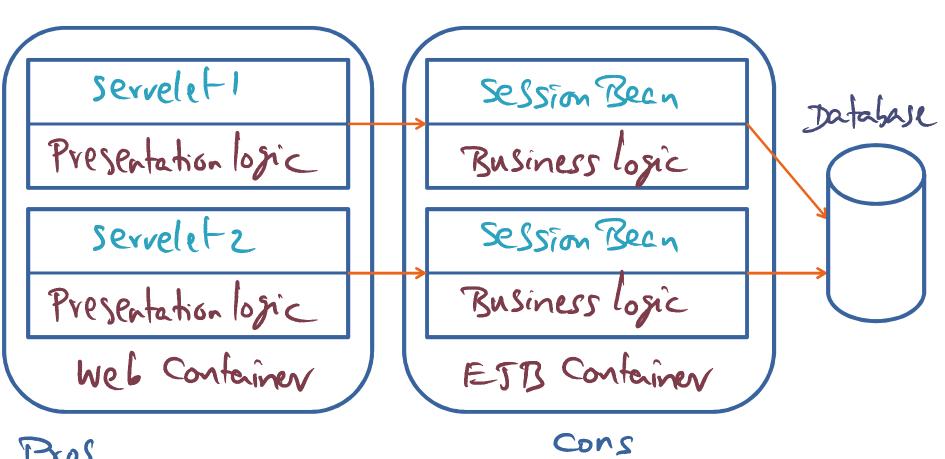
Today Distributed Objects (Lesson G) Spring Kernel Java RMI ETB Distributed Subsystems (Lesson 7) \* Global memory system Friday Yousef Khalidi gnest Lecture Pi 22a 11







# Design Alternative 1: coarse grain session Beans



Pros

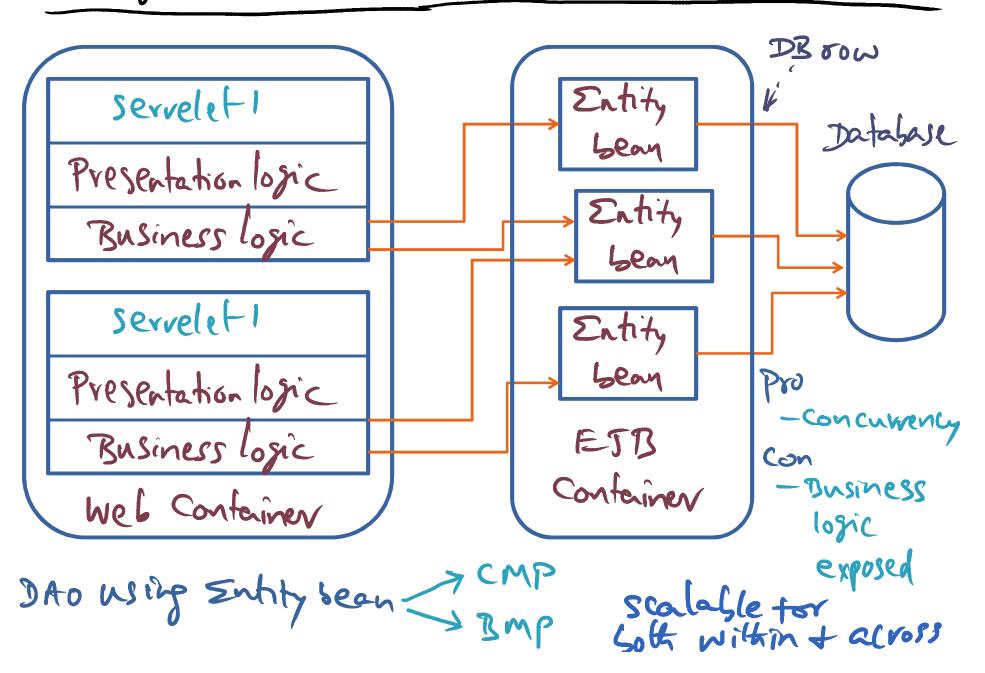
- Minimal Container Services

- Business logic not epposed

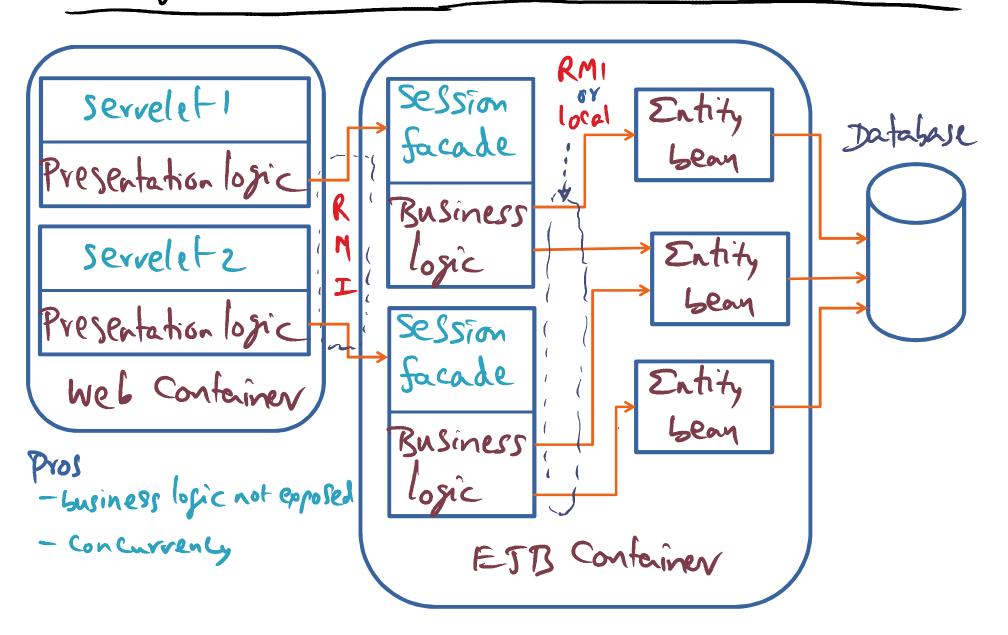
- app structure akin to "monolithic Kernel"

scalability a cross' not within

## Design Alternative 2: Data Access Object



### Design Alternative 3: Session bean with entity bean



#### Key takeaways

- Power of the <u>object technology</u> for structuring complex application servers
- EJB allowed developers to write business logic without worrying about cross-cutting concerns like security, logging, persistence, etc.

#### **Expectations:**

- Understand the design choices presented in this lesson and analyze their performance implications qualitatively
- Read the paper and relate them to the design choices and your own qualitative analysis

**Caveat**: EJB has evolved considerably from the time of this paper but still the principles discussed in this paper apply to the way complex N-tier application servers are built to this day.