



JBoss Architecture

Lesson 01 Introduction

Lesson Objectives

Introduction to Web Application

- Overview of Tiered Architecture
- What is a Web Application?
- What is a Web Container and Application Server?
- Web Container Services

An Introduction

➤ Application has 3 distinct functional units:

- Presentation Layer which is the user interface.
- Business/Application Logic which deals with the functionality that the application is intended to provide
- Storage/Data Layer which deals with the data required for the application functionality.

StandAlone Systems & Monolithic Systems

➤ Stand-Alone Systems

- Essentially Single User System

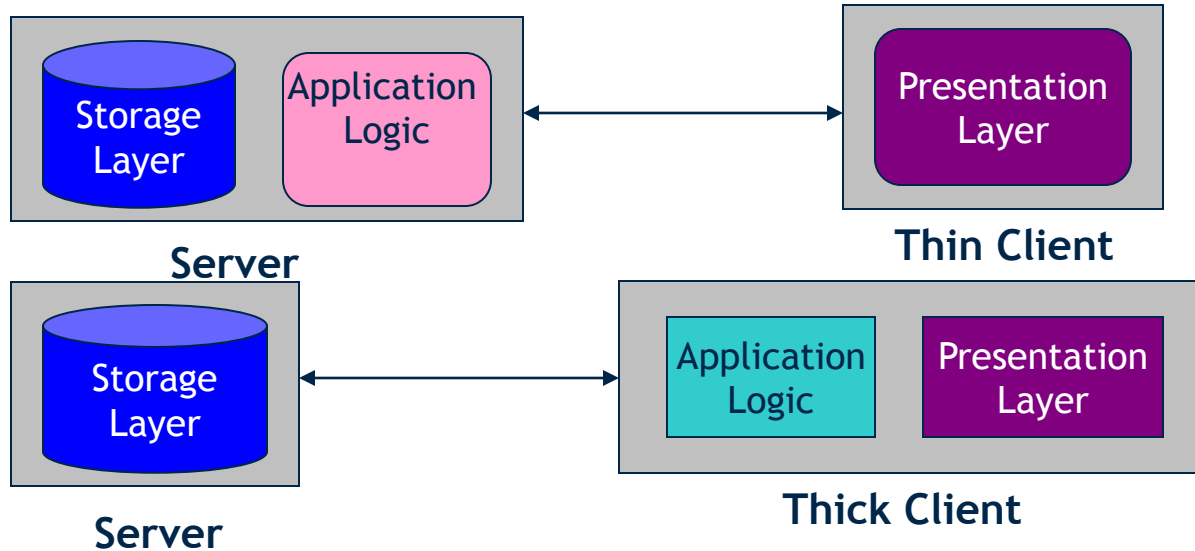
➤ Monolithic/Host Centric Systems

- Multi-User system allowing its resources to be used by several users

2 Tier Architecture

➤ 2 Tier

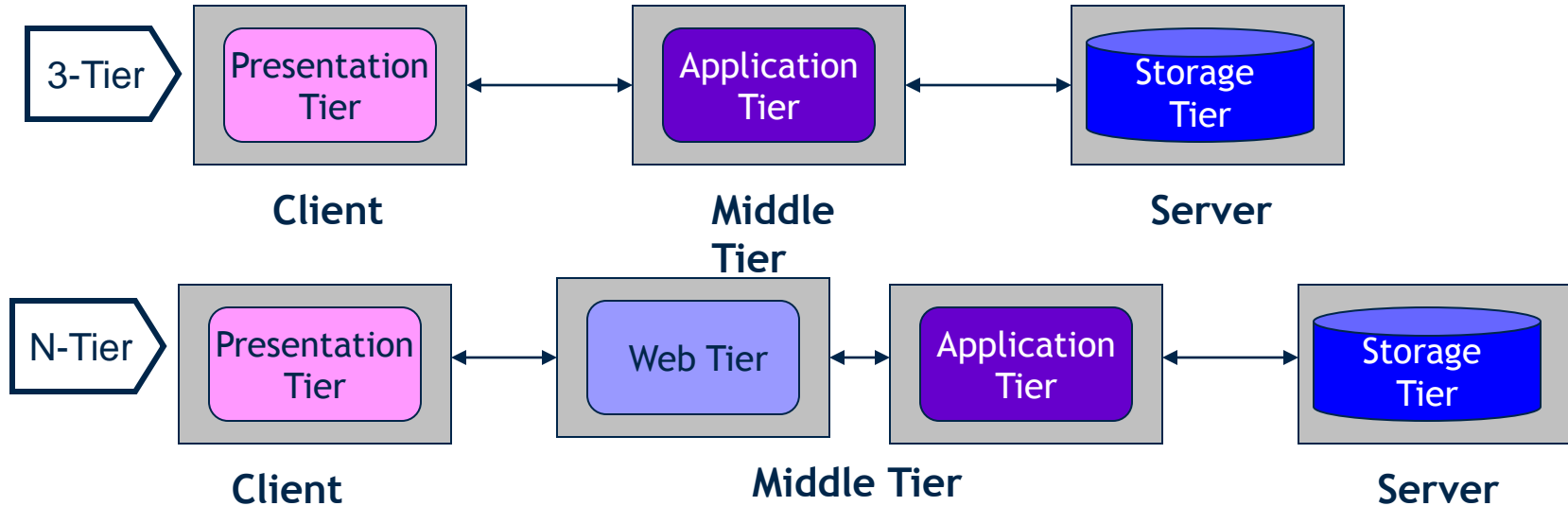
- Client interaction is with server. Processing load can either be on the server or client or both



3Tier Architecture

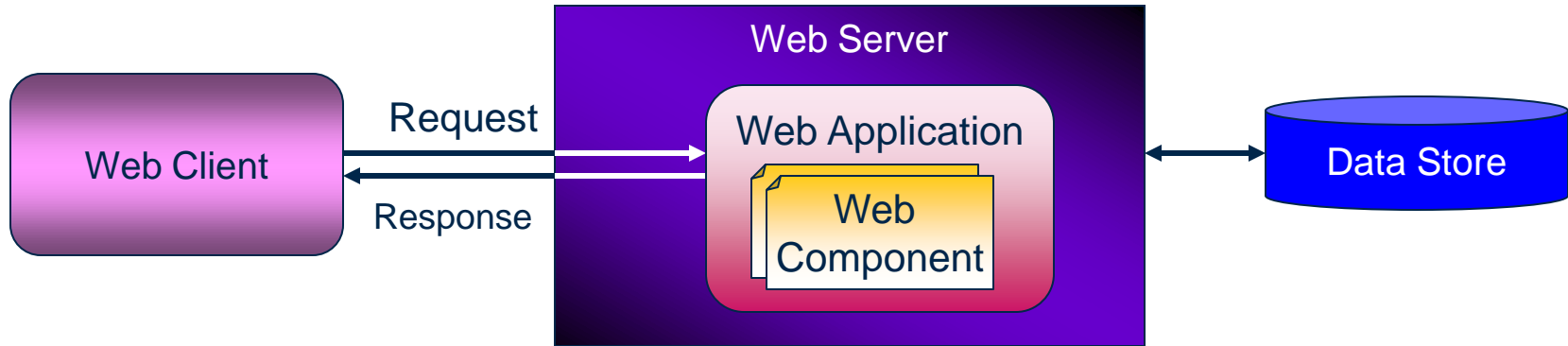
➤ 3/N Tier

- Processing is separated from the user interface and data storage



Overview

- An application accessed through a web browser over a network
- A web based client communicates with the Web Application using web components



Web Server and Application Server

➤ Web Server:

- JEE compliant implementation which provides environments for web components Eg : Tomcat

➤ Application Server :

- Provides an environment for running business components such as EJB's. It also provides features of a Web Container Eg: JBoss Application Server

Summary

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- What is a Web Application?
- What is a Web Container and Application Container?
- Web Container Services