

Architectural Patterns

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‘Notion’ of an architectural pattern is essential to good architectural design.

- We call these *architectural patterns* or *architectural styles*.
- **Patterns** provide for flexible systems using components
 - Components are as independent as possible. (Hunks of executable components...)
- Some architectural patterns are better far better for some applications than for others.
- Let’s look at a few important ones.

1. The Multi-Layer Architectural Pattern

Layered architecture:

- layers communicate down!
- Normally immediately below with few ‘skips’
- Is the classical approach.

- The higher layer sees the lower layers as a set of *services*.
- This notion is **fundamental to good design**.

- Often, a layer communicates **ONLY** with the layer below it **not always** - but normally.