



Shared-Nothing Architecture

In this lesson, we will briefly discuss the shared-nothing architecture.

When working with distributed systems, you'll hear this term *shared-nothing architecture* often. So, I thought I'd just quickly discuss it with you. Though, there is nothing really unique about this. I've already talked about it in the course.

When several modules work in conjunction with each other, they often share *RAM*, which is also known as the shared memory. They share the disk, that is sharing the database, and then they share nothing. The system's architecture where the modules or services share nothing are called the *shared-nothing architecture*.

Shared-nothing architecture means eliminating all single points of failure. Every module has its own memory, or its own disk. So, even if several modules in the system go down, the other modules online stay unaffected. It also helps with *scalability* and *performance*.

Moving on!! Let's discuss hexagonal architecture in the next lesson.

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