

VIII. Concurrency

What is concurrency?

- PHP processes run as **child processes** of Apache, started on demand as needed by request volume.
- JVM provides one massive uberprocess that reserves a large block of system resources and manages concurrency internally via **threads**.

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What is concurrency?

- Twelve-factor apps should only grow up to a certain limit (**vertical scaling**).
- They must also be able to span multiple processes running on multiple physical machines (**horizontal scaling**).

