

V. Build, Release, Run

“Strictly separate **build** and **run** stages”



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What is the difference between build, release & run?

- The **build** stage is a transform which converts a code repo into an executable bundle known as a build. It fetches dependencies and compiles binaries.
- The **release** stage takes the build produced by the build stage and combines it with the deploy's current **config**. The resulting release contains both the build and the config and is ready for immediate execution in the execution environment.
- The **run** stage (also known as “runtime”) runs the app in the execution environment, by launching some set of the app's processes against a selected release.

The Twelve-Factor App

I. Codebase

II. Dependencies

III. Config

IV. Backing Services

V. Build, Release, Run

VI. Processes

VII. Port Binding

VIII. Concurrency

IX. Disposability

X. Dev/Prod Parity

XI. Logs

XII. Admin Processes