# 12 Factor APP

**[I. Codebase](https://12factor.net/codebase)**

One codebase tracked in revision control, many deploys

**[II. Dependencies](https://12factor.net/dependencies)**

Explicitly declare and isolate dependencies

**[III. Config](https://12factor.net/config)**

Store config in the environment

**[IV. Backing services](https://12factor.net/backing-services)**

Treat backing services as attached resources

**[V. Build, release, run](https://12factor.net/build-release-run)**

Strictly separate build and run stages

**[VI. Processes](https://12factor.net/processes)**

Execute the app as one or more stateless processes

**[VII. Port binding](https://12factor.net/port-binding)**

Export services via port binding

**[VIII. Concurrency](https://12factor.net/concurrency)**

Scale out via the process model

**[IX. Disposability](https://12factor.net/disposability)**

Maximize robustness with fast startup and graceful shutdown

**[X. Dev/prod parity](https://12factor.net/dev-prod-parity)**

Keep development, staging, and production as similar as possible

**[XI. Logs](https://12factor.net/logs)**

Treat logs as event streams

**[XII. Admin processes](https://12factor.net/admin-processes)**

Run admin/management tasks as one-off processes