

XII. Admin Processes

What is an admin process?

- One-off admin processes should be run in an **identical environment** as the regular long-running processes of the app.
- They run against a **release**, using the **same codebase** and **config** as any process run against that release.
- Admin code must **ship with application code** to avoid conflicts and synchronization issues.
- The **same dependency isolation** techniques should be used on all process types, e.g. gomodules, npm, virtualenv, ...etc.

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- Twelve-factor strongly favors languages which provide a REPL shell out of the box, and which make it easy to run one-off scripts.
- In a local deploy, developers invoke one-off admin processes by a direct shell command inside the app's checkout directory.
- In a production deploy, developers can use `ssh` or other remote command execution mechanisms provided by that deploy's execution environment to run such a process.