II. Dependencies

"Explicitly **declare** and **isolate** dependencies"

II. Dependencies

What is a packaging system?

- A packaging system is a collection of software tools that automate the process of **installing, upgrading, configuring, and removing dependencies** for an application in a **consistent** manner.

- A package manager deals with packages as archive files. Packages contain metadata, such as their name, description of their purpose, version number, checksum, and a list of other dependencies necessary for the package to work properly.

- Packaging systems usually provide two main roles: **dependency declaration** and **dependency isolation** which must always co-exist and be used together.

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