

I. Codebase

- Multiple projects can have separate, distinct codebases, or can have a single, shared or monolithic codebase.
- A **monolithic** codebase typically entails a single repository (all the code in one place), and often a common build system or common libraries.
- A monolithic system, though, is related to software architecture or a single monolithic binary.

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There are both advantages and disadvantages to a monolithic codebase, when it is compared to a distributed codebase.

- Advantage:
A monolithic codebase **simplifies integration** and allows operations across the entire codebase.
- Disadvantage:
It requires a larger repository and makes it easier to introduce wide-ranging **technical debt**.