SOK Development Guidelines

A handbook created by developers for developers to help engineering teams to align their software practices and share know-how.

Development Community

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This is a high-level document containing a collection of best practices, commonalities between projects and values proven to be practical. Team's should follow these guidelines when implementing their software.

Contents

> The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119.

Codebase

Version Control

- MUST use version control
- SHOULD use Git
- MUST use `master` branch as a base for development

Branching

- MUST fork feature (and release) branches from `master` branch

Mobile development

- SHOULD use fast-forward merges only from feature branch to `master` branch
- SHOULD implement bug fixes to feature branch and cherry picked them to `master` and potential release branch
- RECOMMENDED to squash feature branches before merging to `master` branch
- MUST preserve release tags forever

Release Management

- SHOULD release to production from branch that's used for base of development
- MUST have identifiable releases
- RECOMMENDED to release smaller changes often over larger merges

Mobile Development

- MUST use semantic versioning for releases (tags)

Environments

Data

Mobile Development

- SHOULD preserve all release artefacts forever

Architecture

Infrastructure

- SHOULD use semantic versioned Docker images for building releases