

Software Configuration Management

- Definitions
 - The discipline of identifying the configuration of a system at distinct points in time for the purpose of systematically controlling changes to the configuration and maintaining the integrity and traceability
 - IEEE610.12-90
 - A discipline applying technical and administrative direction and surveillance to: identify and document the functional and physical characteristics of a configuration item, control changes to those characteristics, record and report change processing and implementation status, and verify compliance with specified requirements.

What are configuration items?

- Artifacts
 - Requirements documents
 - Source code
 - Test code
 - Meeting notes
 - Configuration files
 - Build scripts

SCM Plan

- What configuration items will be under revision control?
- How will items be organized?
- Who has what responsibilities?
- Where will configuration items be stored?
- What tools will be used?
- How will changes be approved/rejected?

Software Release Management

- Software development environment
 - Can we ensure everyone is using the same development environment?
- Software builds
 - How much can be automated?
- Software releases
 - Identifying, packaging, delivering the product