Maintainability More costly than development

Maintenance cost of legacy systems

fix bugs	keep the sys operational	trouble shooting	adopt new platform
modify for new use cases	repay technique debt	new features	

- Design principles
 - Operability make it easy for operations teams to keep the sys running smoothly
 - Simplicity make it easy for new engineers to understand the system
 - Evolvability make it easy for engineers to modify for new use cases
 - aka extensibility, modifiability, or plasticity

Maintainability

Operability: Making Life Easy for Operations

• "Good operations can afterwork around the limitations of bad (or incomplete) software, but good software cannot run reliably with bad operations"