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# What is Architecture?

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# Architecture Definitions

# Bass, Clements, Kazman

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“The software architecture of a program or a computing system is the structure or structures of the system, which comprise software elements, the externally visible properties of those elements, and the relationships among them”

*Software Architecture in Practice*

*2nd Edition*

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# Architecture is about

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- What is visible externally, not the internals
- The implementation details of a component are not architecture

# Bass, Clements, Kazman

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“The Software architecture of a system is the set of structures needed to reason about the system, which comprise software elements, relations among them, and properties of both”

*Software Architecture in Practice*  
*3<sup>rd</sup> Edition*

# ISO/IEC 42010

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- “fundamental concepts or properties of a system in its environment embodied in its elements, relationships, and in the principles of its design and evolution”

# Community Definitions of Architecture at

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<http://www.sei.cmu.edu/architecture/start/glossary/community.cfm>

# Home Work

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- Try to come up with examples to illustrate what is architecture.
- That is, architect a system in two different ways and figure out in what properties the systems would differ.