Architectural Views

CSSE6400

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Interesting Software is Complex

Many aspects to the design of its architecture.

Architectural Design

Managing technical complexity.

Question

How do you describe a complex architecture, without making it too difficult to understand?

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Answer

Architectural Views

– Only consider one aspect at a time.

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- The Open Group Architecture Framework (TOGAF) [5]
- ISO/IEC/IEEE 42010:2011 [6]

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Scenario – *Demonstrate* functionality delivered by architecture.

- use case details
  - *drive* functional design of architecture
  - *validate* design of architecture
  - *illustrate* purpose of architecture

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- UML – formal, well-defined language [7]
- C4 – informal, simple structure [8]
- You probably don't want to know about alternatives.

Reading...

“Architectural Views” Notes[1] [9]

[1] Remember, I said you had to read the notes.

References

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[8] Simon Brown.
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