

# PA1308 Self Study Package - Architecture Documentation

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## Abstract

In this study package you'll learn why it is important to document an architecture, and what parts need to be documented for which needs.

## 1 Documenting an architecture

### *Why documenting a software architecture?*

What is the difference between an architecture and an architecture description?

What are the uses of architecture descriptions?

What is an architecture framework? What is an architecture description language? Name examples of both.

#### **Hints:**

[1], [2] Chap. 9

### *Views and architecture documentation*

What is an architectural view?

Why should an architecture be described using different views?

How to decide which views should be documented?

What is a view catalog and what is its purpose?

#### **Hints:**

[1], [2] Chap. 9

### *Architecture documentation content*

What should an architecture description contain?

What kind of decisions should be recorded in the architecture description?

#### **Hints:**

[1], [2] Chap. 9

**Further reading:** [3]

## References

- [1] Systems and software engineering – architecture description. *ISO/IEC/IEEE 42010:2011(E)* (*Revision of ISO/IEC 42010:2007 and IEEE Std 1471-2000*), pages 1 –46, 2011.
- [2] Len Bass, Paul Clements, and Rick Kazman. *Software Architecture in Practice*. Addison-Wesley Professional, 2003.
- [3] Paul Clements. *Documenting Software Architectures: Views and Beyond*. Addison-Wesley Professional, 2003.