

Model

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Discussion

A model provides a structured representation of selected aspects of a subject. A model does not reproduce the whole subject. It represents the aspects needed for a defined purpose, such as analysis, specification, communication, validation, implementation, or governance.

In the SIP-RA and FX Demo context, a model represents selected [structure](#), behavior, function, meaning, constraints, relationships, or transformations. Models support separation between conceptual, logical, and platform-specific concerns. A model becomes useful for architectural work when its notation, vocabulary, constraints, and interpretation rules make the represented subject sufficiently clear for review, comparison, mapping, or implementation.

Definition

a representation of selected function, structure, behavior, or meaning of a subject for a defined purpose

Source

Derived from [Model Driven Architecture \(MDA\)](#) usage and [ISO](#) terminology practice.

Note

A model differs from an informal diagram in that it uses a language, notation, vocabulary, semantics, or interpretation rules with defined meaning. A diagram without defined meaning for its symbols remains an informal diagram.

Example

A [Platform Independent Model \(PIM\)](#) represents selected structure and behavior of a subsystem without specifying the technology platform used to realize the subsystem.

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