Abstract

The System Architecture Process is positioned in the business context. This process bridges the gap between the Policy and Planning Process and the Product Creation Process. The purpose of the System Architecture Process is to provide the Integral Technical overview and consistency, and to maintain the integrity over time. Subjective characteristics as elegance and simplicity are key elements of a good architecture. The scope of the system architecture process is illustrated by showing 5 views used in a reference architecture, ranging from Customer Business to Realization.
The System Architecture Process

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version: 2.3
August 21, 2020
SAprocessSimplified
The System Architecture Process

version: 2.3
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SAPprocessMap
System Architecting Relation between PPP and PCP

The System Architecture Process

Policy and Planning Process

Context: Product Portfolio, Time

Vision, Policy, Intention

Practical Knowledge

Feedback from Reality

Product Creation Process

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SAPcouplingPPPtoPCP
System Architecting Key Issues

**key words**
- balance
- consistency
- integrity
- simplicity
- elegance
- stakeholder satisfaction

**balancing acts**
- External ↔ internal requirements
- Short term needs ↔ long term interests
- Efforts ↔ risks from requirements to verification
- Mutual influence of detailed designs
- Value ↔ costs

**example trade-offs**
- performance ↔ synergy
- functionality ↔ specific solution
- qualities ↔