

Architectural Evaluation for Product Lines



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Breakout Group 4
Overview

Judy Kerner

Architectural Evaluation

- A system's architecture represents some of the earliest design decisions about the system
 - The architecture makes some kinds of changes easy and others hard
 - The architecture represents or influences the system's "ilities"
- It is important to understand as much as possible about the architecture as early as possible
 - Architectural evaluation methods and tools can help with this

Product Line Architecture



- A product line may be defined as a group of products sharing a common, managed set of features that satisfy the needs of a selected market or mission area. [SEI]
- Key to developing a product line is defining a product line architecture (PLA)
- We need to get enough information from a PLA to be able to make good decisions about the related product line

Architectural Evaluation for Product Lines

- We will plan to identify and address some of the questions this raises during the breakout group
- We have come up with a few to start you thinking, beginning with the following:
- *How are the evaluation requirements for a product line architecture different from those for a system architecture?*
- **You are all invited to add to the questions and begin answering them**