



## Domain Scoping in RSP\*

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\*The Reuse-Driven Software Processes Methodology

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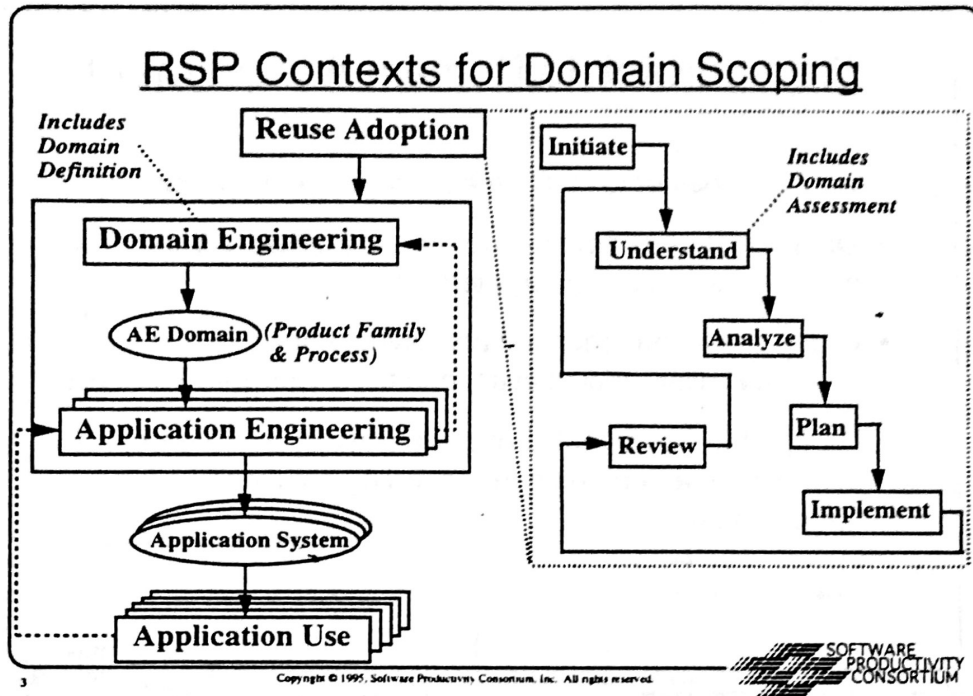


## Domain Scoping in RSP

- Designed to bound and assess a perceived product line
- A repeated activity (not one-time) to cast a product line business as a "domain":
  - In Reuse Adoption, to establish strategic business objectives based on perceptions of technical capability and market need (Domain Assessment)
  - In Domain Engineering, periodically to adjust domain scope to reflect changing needs and capabilities (Domain Definition)
- Advocates problem/solution experts as active participants

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## Domain Scoping Factors

- For Domain Assessment:
  - Market Potential
  - Existing Assets (expertise and legacy products)
  - Commonality and Variability
  - Stability and Maturity (of needs and technology)
  - Standardization (internal or external)
- For Domain Definition:
  - Assumptions of Commonality, Variability, Exclusion
  - Marketability; Implementability and Risk

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## Prerequisites to Domain Assessment

(to decide whether to institute a product line as a domain)

- Organization has both charter and expertise to build products needed by a targeted market.
- Organization/management perceives a need to build multiple similar products/versions for the targeted market.
- Designated participants have expertise in customers' problems (market) and corresponding solutions (products).

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## Resources Needed for Domain Assessment

- Duration: 1 week
- Level of Effort:
  - 1 facilitator
  - 3-5 active participants (problem/solution experts)
- Primary Resource Drivers:
  - Knowledge of targeted market/customer needs
  - Knowledge of organizational capability for solutions
- Validation: Review by non-participating stakeholders

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