



SEI Software Product Line Diagnostics

Related Web Site

<http://www.sei.cmu.edu/productlines>

For General Information

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SEI Product Line Technical ProbeSM (PLTPSM)

The SEI Product Line Technical Probe (PLTP) is a method for comprehensively examining an organization's readiness to adopt or ability to succeed with a software product line approach. The PLTP is a diagnostic tool that utilizes the SEI *Framework for Software Product Line Practice*SM as a reference model. The practice areas in the Framework are the basis of data collection and analysis. The results of the probe are a set of findings that portray an organization's strengths and challenges with regard to a product line approach.

The PLTP provides a crucial baseline of findings about organizational practices that directly support a product line approach. These findings can be used to develop an action plan with the goal of making the organization more capable of achieving product line success and associated business goals.

SEI Product Line Quick Look

The SEI Product Line Quick Look (PLQL) is a method for gathering initial information relative to an organization's readiness to adopt or ability to succeed with a software product line approach. The PLQL provides a high-level framing of the organization and its product line effort. The information gathered can then be used to plan more specific assistance from the SEI or other independent activities needed to progress in product line adoption. The PLQL can also serve as the Preliminary Phase of the SEI Product Line Technical Probe. The PLQL is a lightweight, short intervention, and a good first step for an organization wishing to "test the waters." The PLQL utilizes the SEI *Framework for Software Product Line Practice* and its Product Line Adoption Roadmap as reference models.

A PLQL Report Card is provided to the organization. This short summary provides the SEI's framing of the organization and its product line effort and a set of high-level recommendations for next steps.

SEI Product Line Action Planning Workshop

The Product Line Action Planning Workshop is a natural follow-on to the Product Line Technical Probe. The PLTP produces a portrayal of the state of an organization's product line practices. The planning workshop helps translate that portrayal into a plan of action. The workshop is a tailored, facilitated work session in which an SEI team works with a customer team, typically over two days, to produce an action plan.

