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When

Wednesday May 23rd 2018 from 11am-12pm EDT (3pm – 4pm UTC)

Topic

Applying Feature-based Product Line Engineering in Information-Centric Domains

Speakers

Jim Teaff, CSEP and Dr. Paul Clements



Abstract

Global aerospace and defense (A&D) companies are reaping the benefits of Feature-based Product Line Engineering (PLE) — a game-changing paradigm that dramatically simplifies the creation, delivery, maintenance, and evolution of a product line portfolio. Feature-based PLE enables a fully unified variant management approach and a holistic view into the feature variations for a product family, eliminating the need for different variant management mechanisms across an enterprise.

The information age has extended the concept of a “product” beyond the traditional hard goods and services. Digital content delivered on demand and tailored for individual consumers is now a key part of an organization’s product line portfolio, either provided solely or, more typically, bundled with other goods and services. This webinar presentation spotlights how Feature-based PLE can be applied to cost effectively produce Information Products tailored specifically for customers, delivered when they need it, and in the form they need it.

Biography

Jim Teaff wrote his first line of code as a professional in 1982 while working for a small startup. Subsequently over the past three decades, Jim has worked for numerous aerospace and commercial companies across the full system development lifecycle, from principal investigator and proposal writer to IPT lead, chief architect, requirements analyst, Scrum Master, programmer, tester, 2nd tier O&M support, and more. Jim holds a Bachelor of Science degree in Computer Science from Colorado State University, and a Master of Engineering in Engineering Management from the University of Colorado. Jim is an INCOSE Certified Systems Engineering Professional (CSEP), and an ISC2 Certified Information Systems Security Professional (CISSP). Jim joined Raytheon in 2016 as the Intelligence, Information and Systems (IIS) Product Lines Champion, and is assisting the organization with the continued rollout of feature-based systems and software product line engineering and management.

Dr. Paul Clements is one of the founding fathers of the PLE field. He has in-depth systems and software architecture and analysis expertise, applied research experience, and proven insight for helping commercial organizations define pragmatic solutions to complex engineering problems. Paul assists BigLever customers in applying the latest PLE approaches, creating optimized deployment plans, and establishing successful ongoing PLE practices. He was previously a senior member of the technical staff at The Carnegie Mellon Software Engineering Institute (SEI) where he gained recognition as co-creator of the book *Software Product Lines: Practices and Patterns*, the SEI's first software product line case study, the SEI Framework for Product Line Practice, the SIMPLE modeling language for product line economics, and the International Software Product Line Conference. Prior to the SEI, Paul was a computer scientist with the U.S. Naval Research Laboratory. He received his PhD in computer science from The University of Texas at Austin.

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Regards,

Andy Pickard

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