Is Architecture a Product that Can Be Packaged and Sold?

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Abstract

With the maturation of this field, companies are now in a position to describe, package and reuse application architectures. This is exactly what Rational Software is trying to do for what we call solution stacks. A solution stack is defined by the selection of a problem domain, a deployment infrastructure, a development infrastructure and various project characteristics. For such a point in the development space it seems possible to pre-built an entire application framework capturing the key architectural decisions for that application. The talk will describe how we can approach that task and what the outcome may look like.

Biography

Wojtek (Voytek) Kozaczynski is the Director of Architectures & Application Frameworks Group at Rational and he has been leading the e-development accelerators initiative of the company. He has over 20 years of industrial and academic experience in building software.

He has held a number of positions both in industry and academia. At Rational he was the Director of Architecture Practice. Prior to joining Rational he was the Chief Architect at System Software Associates, an ERP solutions provider for manufacturing sector companies. Before joining SSA, Wojtek worked at Andersen Consulting’s Center for Strategic Technology Research where he held the positions of the Director of Software Engineering Laboratory and was an Associate Partner. Prior to that, Wojtek taught at the University on Illinois, Chicago where he researched application of AI to software and database design.

Wojtek’s continued software engineering research interest has been in software architectures, software composition and large-scale software reuse. He also worked on tools and processes for automatic software understanding and re-engineering, knowledge-based software engineering and collaborative software development.

Wojtek has published over 30 journal and conference papers and has written chapters of books and collective works. He has given numerous presentations at conferences, workshops and professional meetings. He is a member of the Industrial Advisory Board of the IEEE Software Magazine.