

Tutorial on
Eliciting Architecturally Significant Requirements

By

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Abstract:

Having a system that exhibits the properties needed to support an organization's business context relies on having an architecture that is "fit for purpose". In order to do this we must be able to extract the requirements that are architecturally significant from the business context. Traditional requirements elicitation approaches typically don't explicitly identify requirements that drive the architecture. This tutorial is focused on first identifying the requirements that do in fact drive the architecture and then providing some practical approaches for eliciting and prioritizing these requirements.

Profile of the Speaker:



Matthew Bass is part of the faculty for Carnegie Mellon University's Master of Software Engineering Program. He is a former member of the technical staff for the Software Architecture group of Siemens Corporate Research. In this role he taught software architecture classes, mentored Siemens operating companies in software architecture practices, conducted software architecture reviews for critical projects, and acted as a software architect for multiple domains including automotive, medical, building automation, and power distribution. Bass has been a practicing software engineer for many years and has worked with Fortune 500 companies from multiple domains. Additionally Bass spent 3+ years as a resident affiliate with the Product Line Systems program at Carnegie Mellon's Software Engineering Institute. He lectures internationally, and has given talks and tutorials at numerous international conferences. He has degrees in Computer Science and Software Engineering from the University of Pittsburgh and Carnegie Mellon University respectively