

Event Theme

Presenters

Topic Summaries

Software Testing

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MKS Inc.

Software Testing Process Improvement

The chaotic approach to software testing can't be an acceptable solution for organizations, considering the depth of damage they are causing on the business. The solution is to reconsider testing practices and early engagement, which requires more coordination and a defined and agreed process in place. This presentation describes the real challenges of defining and implementing processes by providing a case study that reflects strategies on how to sell processes to teams.

Industry standards and maturity models are only guidelines and do not consider the impact of push-backs in real life. The culture of the organization, diversity of interests and other factors are hidden factors that affect the deployment phase. Software Testing Process Improvement within an organization is not just taking industry models and throwing them on a tester's desk. It requires training, enforcement, back-end support and a small organization within the bigger organization. A practical model to describe the implementation process will be discussed.

The focus of this discussion is on the practical approaches toward Software Testing Process Improvement, sharing of the reality and walking through key points toward the guaranteed success.

Standard Engineering Practices applied to Software Testing

In today's world, software makes up a significant number of our interactions with a company and its brand, whether it be through online banking services, software on embedded devices such as mobile phones or automobiles. In the past several decades, software engineering practices have evolved, resulting in model driven development and a high degree of reuse and parameterization of software components. Component based development and Service Oriented Architectures (SOA) all speak to the rapid adoption of reuse strategies.

When we look at a testing organization however, many teams are still churning away hours rewriting test cases or simply copying the previously used tests expecting them to be useful for the revised software product or system.

The aim of this discussion is to highlight some standard engineering practices that can be applied to software testing, allowing testing teams to get greater reuse and value out of their test artifacts. This results in greater efficiency and productivity amongst the testing team. It also builds value in the organization, persistent value through work products that a tester can be proud of.

Biographies

Pedram holds a M.Sc. in Engineering, Hon. CPD in Computer Programming and Analysis. He has over 10 years academic experience in undergraduate Engineering and corporate IT/QA analysis & training. He has been actively involved in the critical projects and activities within a variety of industries, including telecommunications, finance, insurance, retail and academia. Some of his responsibilities include: curriculum development, customized corporate training courses and materials, consultation for undergraduate students. He is an internal Process Analyst & Training Specialist Lead with Aviva Canada, involved in Software Process Improvement analysis and implementation. His previous responsibilities included Training Lead, Automation process improvement Lead, QA Analyst, System Design Engineer, productivity improvement, standards and methodologies and testing.

Ryan is a Product Manager with MKS focused on the development of product roadmaps for the Application Lifecycle Management market. He has previously held roles managing customer operations in Northern Europe, as well as a field consultant for MKS implementing solutions for ALM and ITIL. His focus has pertained to Application Lifecycle Management predominantly in the areas of:

- ~ Requirements Management
- ~ Configuration Management
- ~ Test Management
- ~ Release Management
- ~ Portfolio Management

Ryan is a member of the British Computer Society and has worked with an extensive list of organizations in the implementation of an integrated ALM strategy, including HSBC, NCR and Renault Formula 1.

Date / Time

Tuesday, May 26, 2009; 05:30 pm – 08:30 pm

Note: Light supper included prior to presentations.

Location

Auditorium, IBM Canada
3600 Steeles Avenue East
(northeast corner of Steeles & Pharmacy)
Markham, Ontario L3R 9Z7

Free Visitor parking available (follow signs)
The following public transportation is also available:

TTC

167 Pharmacy North - 53 Steeles East - 353 Steeles East

York Region

224B Esna Park - VIVA Green

Registration

<http://www.TorontoSPIN.com> \$20.00 at the door

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June 2009

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