

## Short Biography

Joseph Yoder (Founder and Architect, The Refactory; Hillside Board President; Long Term ACM Member; Agilist; Computer Scientist; Consultant; Developer) pattern enthusiast, author of Big Ball of Mud; programs adaptive software, runs a development company, consults top companies on various software needs, amateur photographer, motorcycle enthusiast, avid music connoisseur and enjoys dancing samba!!!







## Apps on Browser Platforms



Apps on becoming the norm running on whatever platform











Cloud Computing

Platform as a Service (PaaS)

Software as a Service (SaaS)

Infrastructure as a Service (IaaS)









































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## Contrast: Two Ways to Evolve a Working System

	Traditional SW Architecture	Meta-Data Based Architecture
Who implements a requirements change?	A programmer.	A domain expert might, if it is a domain object or business rule change.
How are changes verified?	Programmer writes tests, QA writes and runs acceptance tests, end-user approves.	Still have to run all unit and acceptance tests. But can also build into end-user tool checks that model changes won't "break" the existing working system.
How often can the system be updated in production?	At the end of an iteration.	Whenever changes are verified. Not tied to dev cycle.
What's the big deal?	Still have to go through some release cycle. Programming and deployment can become bottlenecks.	Significant changes can be made by end-users. Releasing can be simply updating production metadata.























