JOURNAL OF OBJECT TECHNOLOGY

Online at http://www.jot.fm published by ETH Zurich, Chair of Software Engineering ©**JOT, 2009**

Vol. 8, No. 3, May-June 2009

Contents

models, while at the same time making IT more responsive to business needs and allowing greater visibility of IT usage to support billing and chargeback. Cloud computing can be a key catalyst to transform the enterprise to be able to innovate to gain competitive advantage in a fast changing environment by providing reliable IT services that can quickly and flexibly adapt to meet business requirements.

The OOP Scene

Recently I've been somewhat surprised by the lack of understanding of the impact of Cloud Computing. Cloud Computing enables Next Generation IT and provides the long promised alternative to mainframes and surrounding tiers. The recent rushed announcement of the Open Cloud Manifesto confirms that even those late to the party see it as a major sea change in the industry.

Guest Column

We have wittingly chosen to represent a design pattern as a class diagram (inspired from the structure section of the GOF catalog), only with pattern participants as class name and inter-classes relations (association and inheritance links). Indeed, since we are at the design level, we are interested in the architecture of the pattern (classes and relations between them).

REFEREED ARTICLES

In this work, we propose a novel approach for generating test cases using UML 2.0 activity diagrams. In our approach, we consider a coverage criteria called *activity path* coverage criteria. Generated test suite following *activity path* coverage criteria in our approach aims to cover more faults like synchronization fault, fault in a loop than the existing works.