



Mr. Abhay Chitnis, Head of Technology, made a detailed interactive presentation on **Setting up federated cloud computing environment**. Mr Chitnis was speaking at the Architecture World 2009 Conference which was organized from December 01 to 02, 2009 in Pune, India. Mr. Chitnis enlightened the audience by presenting a step-by-step approach towards federated computing environment. The context was set by explaining the cloud primer comprising Software-as-a-Service (SaaS), Platform-as-a-Service (PaaS), and Infrastructure-as-a-Service (IaaS).

Mr. Chitnis went on to elaborate the critical success factors of the cloud computing infrastructure and introduced Cloud X, L&T Infotech's -federated cloud infrastructure set-up. This was followed by federated cloud management options of Rightscale, Deltacloud, IBM Tivoli. Later, Mr. Chitnis highlighted the relationship of enterprise architecture with the federated cloud. At the end of the presentation, the following learnings of L&T Infotech were shared with the audience

- Federated cloud computing (Infrastructure) falls short of promise due to lack of interoperability
- The gap between open source and commercial software for setting up a private compute cloud remains large
- Open source is the most promising technology for a federated cloud computing environment
- A single standard private-public set-up does provide resource optimization

The presentation was very well received with a lot of interesting questions by the audience consisting of over 100 architects and senior executives from companies such as KPIT, Hexaware, DLF, Airtel, Capgemini and NIIT.

The context and brief background for this presentation are as follows: iCMG is a leading global IT architecture firm focusing exclusively on enterprise software architecture and design of IT systems to re-align IT developments with business objectives. iCMG Architecture World conference is focused on IT architecture as a specialty, which is distinct from software engineering, programming and project management and is very critical for the enterprise success.

IT Architecture is getting recognized as a critical element for realizing a practical vision of the IT system for Fortune 2000 companies. With the rapid pace of change today, the need for transformation from the current inflexible business environment to an agile enterprise that can change direction rapidly has never been greater. Yet the structures, processes and systems that we have today are inflexible: they are incapable of rapid change. Methods and technologies for Rapid Delivery of e-Government and e-Business Strategies are needed that support rapid business change - with systems that also change in lock-step. This is both a business problem and a computer problem. It needs a strategic direction from the management, with these directions then translated into rapid delivery action by business experts working with IT experts.

\*\*\*\*\*