

Reuven Cohen

* Founder & Chief Technologist, Enomaly

* Creator of the Enomaly Elastic Computing Platform

* Instigator of Cloud Camp (Worldwide series of events)

* Creator of the Cloud Interoperability Forum

***** IEEE Program Chair on Cloud Computing

* Sun Microsystems Board of Advisors

* Writing cloud guide for O'Reilly (2009)

* Blogs at www.elasticvapor.com

World Wide Cloud UnSession

* Federated

***** Global

- * Interoperable
- * Scalable
- * Self Healing
- * Hybrid, Intracloud

Cloud Computing

- Cloud Computing = Internet Computing
- Internal Cloud = Intranet
- External Cloud = Internet
- No System Boundaries
- No physical or geographic limitations
- No internal composition or ownership
- Service Oriented
- "Internet centric computing"



Cloud Computing Challenges

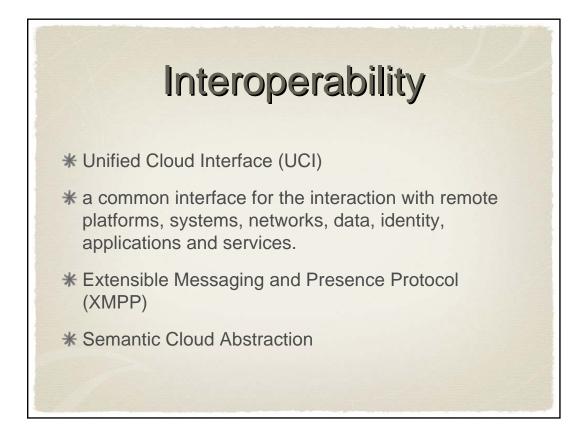
- * Enterprise IT wants Control
- * Business units want flexibility
- * Data Portability and Interoperability
- * Trust & Security
- * Network Latency and Availability
- ***** IT Transparency
- ***** Disaster Recovery
- ***** Cloud Costing

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Cloud Barriers

- * Data Security & Privacy
- * Regulatory Control (SoX, HIPPA, etc)
- * Lack of Audit, Governance & Accountability
- * Questionable Reliability & Performance
- * Lack of Management Tools
- * Lack of Integration with Internal Infrastructure
- * Lack of Regional "Clouds"
- * Lack of Turn key cloud platform solutions







GeoPolitical Cloud Computing

- ***** Geo-targeted Computing
- * Regulatory Concerns (i.e. US Patriot Act)
- * Compliance (Sarbanes Oxley, HIPAA)
- * Accountability & Audibility
- ***** Data Authority
- * Jurisdiction and data protection laws

