

# Cloud Governance: an Overview

<https://marketpublishers.com/r/C7790443787EN.html>

Date: June 2010

Pages: 30

Price: US\$ 2,495.00 (Single User License)

ID: C7790443787EN

## Abstracts

IT governance is necessary and difficult. Cloud computing (in the form of public, private as well as hybrid clouds) makes it even more so. It introduces an additional layer of complexity that enterprises need to control in order to make the most of its benefits (including lower cost and on-demand flexibility). However, cloud governance best practices as well as underlying tools are in their infancy, which makes it difficult to strengthen current ALM and SOA governance efforts in areas such as cloud-centric applications and application programming interface (API) management.

## Contents

### SUMMARY

Impact

Ovum view

Key messages

### CLLOUD GOVERNANCE BUILDS ON IT GOVERNANCE

An IT governance driver, among others

Similar to other disruptive trends

Impacts all three IT domains

A shared and service-centric IT driver, among others

Drives increased resource sharing

Drives service-centric IT

An IT governance federation member, among others

IT governance federates a variety of governance efforts

Cloud computing governance must be woven into all IT governance's federation efforts

Cloud computing governance federation expands IT governance federation

Like IT governance, cloud governance needs to identify the right objective(s)

Cloud governance should focus on enabling flexibility

Private cloud governance should focus on ease of controlled internal procurement

Public cloud governance should focus on getting rid of the 'shadow' IT

### CLLOUD GOVERNANCE RELIES ON THE SAME INGREDIENTS AS IT GOVERNANCE

Three Ps of governance

People are the main ingredients of cloud governance

Cloud governance requires a center of excellence

Cloud governance is about relationship management

Cloud governance is about empowerment, not just control

Public cloud governance is about managing IT department evolution

Private cloud governance is about enabling private clouds to keep up with public ones

Policies, plans, performance monitoring and processes are the backbone of cloud governance

Policies define the compliance context

Plans define the governance roadmap

Performance monitoring enables governance efforts to adapt  
Process automation delivers consistency and enforcement  
Cloud governance relies on a paraphernalia of systems, tools and technologies  
Foundation for, and managed by, cloud governance  
The self-service portal is the core cloud governance system

## **CLOUD GOVERNANCE, LIKE IT GOVERNANCE, IS A WORK IN PROGRESS**

Governance efforts need to improve  
Too reactive, technology-centric and piecemeal  
Integration standards are a challenge  
Best-practice frameworks are missing for cloud  
IT governance benefits from best practice frameworks; cloud governance doesn't  
Enterprises are struggling to keep up with best-practice frameworks; cloud computing could help

## **ALM GOVERNANCE NEEDS TO EXPAND TO THE CLOUD**

ALM has migrated to the clouds  
ALM is hybrid: it spans public and/or private clouds  
Public clouds provide developers with a variety of options  
ALM is for – as well as in – the public cloud  
ALM in the cloud is a mixed bag  
ALM and cloud governance should be woven together  
ALM governance should facilitate ALM for and in the public cloud  
ALM governance in the cloud is likely to start with tests  
ALM governance in the cloud should start small but think big  
ALM governance in the cloud is about risk management  
ALM governance in the cloud can help weave ALM and ITSM governance together  
ALM is expanding slowly to ITSM  
Public clouds provides an opportunity to speed up the pace  
ALM governance in the cloud must live up to the challenge of cloud-centric applications  
Adapting to IaaS and PaaS constraints  
Moving out of IT's comfort zone  
Developing the right SaaS applications  
ALM governance for hybrid applications

## **CLOUD GOVERNANCE BUILDS ON SOA GOVERNANCE**

Cloud computing is SOA-centric  
Same architecture-centric approach and design principles  
Present at both SOI and SOA level  
Cloud governance helps SOA governance  
Cloud governance strengthens the need for SOA governance  
Cloud computing governance helps SOA transitions  
The SOA governance paraphernalia has yet to move to the cloud  
Interfaces are the link between SOA and cloud  
APIs to services are at least as important to SOAs as SOA services  
APIs are the keys to the cloud computing kingdom  
APIs are important to both service providers and consumers

## **RECOMMENDATIONS**

Recommendations for enterprises  
Cloud computing requires governance  
Slowly does it, as part of a wider IT federation governance effort  
Towards an increasingly shared and service-centric IT  
Cloud governance is in its infancy  
Expand ALM and SOA governance to the cloud  
Recommendations for suppliers  
Help users' governance efforts  
Boost best practice, tools and integration  
Weave cloud governance into your ALM and SOA governance tools  
Collaboration and testing are the cloud ALM sweet spots  
API management is the cloud SOA new frontier

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