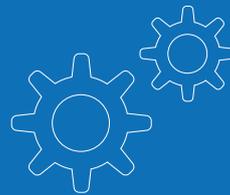# CORESTACK

Top 4 Governance

Challenges in Multi Cloud Environment

Top 4 Governance Challenges in Multi-Cloud Environment

As per a Nov 2016 report by IDC, more than 85% enterprise IT organizations will commit to multi-cloud architecture by 2018, driving up the pace of change in IT organizations. This forecast indicates the level of industry adoption multi-cloud has been experiencing. Ask any CTO today, and they would swear by the advantages of multi-cloud environments. After all, who wouldn't be delighted with a structure that offers agility, flexibility, and overall great financial benefits?

However, as the saying goes, every rose has its thorn. And a multi-cloud environment comes with its own set of challenges, in terms of governance.

Challenges in multi-cloud governance

Challenge 1: Security and Compliance
Small or big, all enterprises face the risk of security issues associated with cloud. Target and Home Depot are some of the big brands that have fallen prey to varied levels of cloud breaches. Such events have raised concerns on security in multi-cloud environments.

Also, legal compliance can be tricky in a multi-cloud environment, as adherence measures adopted on one could platform may not work on another. Hence, businesses should design multi-cloud environments with compliance as an essential criterion.

Challenge 2: Provisioning
Usually, developers have to contact a support desk which then allots virtual machines after completing the bureaucratic processes in place. This back and forth saps a lot of time and efforts that could be directed into more productive avenues.

Challenge 3: Spending
Businesses encounter many instances in which unused or non-optimally utilized resources can bog down the budget bucket. For example, inadequate monitoring can cause unutilized cloud resources such as virtual machines to remain undetected, leading to unnecessary costs increments.

Challenge 4: Visibility and Operations
It is vital for the business to have a single dashboard to monitor the multi-cloud environment. Without a unified view of the public and private cloud structures, operations might encounter duplications of resources, and miss out on responding swiftly to real-time issues such as machine downtime.

Multi-cloud governance made easy with CoreStack

The concerns are valid indeed in a complex cloud environment. However, the good news is that governance in Multi-Cloud environment is not an impossible feat. CloudEnablers helps you engage in 'frictionless governance' with CoreStack Cloud Governance solution.

- **Compliance and Security**

  While most of the cloud service providers are able to meet compliance and security requirements of an organization, CoreStack ensures these are well adhered to, by defining policies, right level of access control and taking remedial actions when deviation occurs.

- **Efficient workflow eliminates bottlenecks**

  Simplified provisioning with Role based access CoreStack enables developers to quickly customize the VMs as per needs, raise requests and gain quick approvals from managers and admins. This self-service process eliminates the 'back and forth' completely. By defining roles, it is easier to create and align workflow to existing business processes. Also, role based access helps in maintaining privacy and security since data access is restricted as per levels.

- Easy resource monitoring

  Using the unified dashboard, admins have a complete overview of the situation. This enables them to quickly deallocate unutilized resources, leading to effective management and cost reduction. Also, it helps them quickly respond to alerts and notifications, such as machine downtime.

- Operations Automations

  Each cloud platform comes with its own services and APIs. CoreStack's open and extensible architecture helps IT to use these APIs to automate various cloud operations. Automation of routine procedures helps reduce efforts duplication and save time.

- Subscription Management

  CoreStack helps IT to manage multiple accounts in multiple clouds from a unified dashboard. This helps admins to keep track of all cloud resources from one spot, thereby helping resource optimization and provide quick response to live issues.

- Budgets and Quota and chargeback

  CoreStack's Financial Dashboard provides insights across multi-cloud, particularly into areas of cloud services usage and consumption and budgeting. Also, it enables tracking cloud cost by department, project and cloud. This level of visibility helps reign in the costs well within the allocated budget. Chargeback is another key feature which helps business control costs, with the mechanism regulating costs for internal IT teams / customers based on the resource utilization.