

# Hybrid Cloud and Hypervisor Management

*DON'T GET CAUGHT IN A RAINSTORM  
WITHOUT AN UMBRELLA*



## SECTION ONE

# Cloud Choices Are Many and Complicated

THE IT SHOPS OF TODAY ARE OFTEN WORKING WITH MORE THAN ONE CLOUD VENDOR, OFTEN UNKNOWINGLY.

*“In today’s world, it’s rare for companies to be based on one technology. If you’re a modern IT shop, chances are, you not only have VMware, but you’re probably also using one or more public clouds and using or considering OpenStack for some projects.”*

- Rick Kilcoyne, VP Solutions Architecture at CloudBolt

When it comes to the cloud, the choices are many and complicated. The IT shops of today are often working with more than one cloud vendor, often not knowing who is using what across the enterprise. In fact, it's pretty common for developers to self-service public cloud resources because of slow provisioning. Development teams gain the resources they need to innovate and deliver value but at the risk of a lack of visibility and control from central IT.

In addition, it's common for enterprises to acquire departments from other companies that operate with a different mindset on how to deliver IT. In this scenario, resources that come with the acquisition may not scale well, resulting in excessive, disparate public cloud costs.

Other times, a given organization may intentionally use multiple cloud providers for mission-critical applications where they want to make sure that they have redundancy in more than one cloud.

They want to be ready in the event that the primary provider goes down for any length of time.

Whatever the case may be, multi-cloud environments can create more complexity than IT is able to manage, and without adequate controls.

**It's pretty common for developers to create a self-service environment for public cloud resources because of slow provisioning**





## SECTION TWO

# Blind Spots of Utilization Halt Operational Efficiency

BLIND SPOTS OF OVER- OR UNDERUTILIZATION EXIST ACROSS THE ENTERPRISE, AND THE ULTIMATE CONSEQUENCE IS LOSS OF COMPETITIVE EDGE.

*“You use technology for a purpose; your purpose is never to use technology.”*

- David Linthicum, InfoWorld

Disparate cloud usage brings on a number of challenges that are difficult for IT to tackle in the absence of a centralized management solution. Blind spots of over- or underutilization exist across the enterprise, and the ultimate consequence is loss of a competitive edge. While your competitors are figuring out how to manage complexity with more streamlined processes, they'll gain faster time to value, innovate more, and deliver products and services more cost-effectively.

If you allow your organization to freely provision IT resources in complex environments, execution isn't coordinated. Team members across IT and development may be delivering on their own projects well, but not efficiently. Ultimately, there's no optimization. On top of that, dormant resources that are underutilized become a liability, sometimes not even discovered until it's too late.

As David Linthicum states [in this InfoWorld article](#), ***"You use technology for a purpose; your purpose is never to use technology."***

In a multi-cloud world, there's the persistent challenge of achieving the right mix of private, public, and on-prem resources, as well as knowing when to provision from the cloud or consider a hybrid approach. However, with an effective cloud provisioning process in place, it's significantly easier to provision, test, develop, and run the necessary ephemeral resources in the cloud for additional demand.





## SECTION THREE

# Reining in Untraceable Resources and Wasted Revenue

DEVELOPMENT TEAMS WILL CONTINUE TO CREATE THEIR OWN ARCHITECTURES AND POTENTIALLY INTRODUCE RISKS THAT ARE DIFFICULT TO TRACE.

*“The difficulty is that, in the rush to keep up with the latest IT strategies driving digital change across every vertical sector, organizations have struggled to deploy a well-integrated and complete multi-cloud solution.”*

- David Moss, Regional Director, Western Europe at Avi Networks

Without a robust multi-cloud and hypervisor management solution, you're probably not using the best practice approach for dealing with disparate cloud resources. You could be wasting revenue because of continuous provisioning of unneeded resources. Development teams will continue to create their own architectures and potentially introduce risks that are difficult to trace.

**Before you know it, you'll find out that one of your departments is spending millions of dollars on microservices sold to them by a public cloud provider.**

Security is also a major concern. Developers are trained to develop, not secure IT environments. The only way to ensure security is by providing user access to resources based on permission levels defined by IT. The easiest way to do this is through a single platform that

enables the ability to determine roles and access. As David Moss states in [this article](#), "The difficulty is that, in the rush to keep up with the latest IT strategies driving digital change across every vertical sector, organizations have struggled to deploy a well-integrated and complete multi-cloud solution." Attention to security can lose its priority.

In using the right management solution that works well while wrangling complexity and end users, internal developers will be empowered and have higher moral. With this kind of solution in place, developers can innovate freely within the bounds of undetectable multi-cloud guardrails. With central IT and a hypervisor management system in place, complexity and wasted dollars can be eliminated. Similar to the technical debt accumulated by software code, the more a provisioning process is not effectively managed along the way, the more potential for issues down the road.



## SECTION FOUR

# One User Interface, Any Technology

YOU'LL BE EMPOWERED TO MAKE A STRATEGIC DECISION ABOUT WHERE YOU REALLY WANT TO DO YOUR COMPUTING.



*“CloudBolt has a plugin architecture for different technologies. Our field engineers can implement support for whatever our customers want to use, because CloudBolt has a framework for supporting external technologies.”*

- Aaron Jablonowski, Senior Solutions Engineer at CloudBolt



Enter [Hybrid Cloud Nirvana](#): CloudBolt, the solution for any enterprise IT team that doesn't want to deal with the headaches of multiple complex cloud choices.

**CloudBolt Software is built to deliver central visibility and control of the complexity of choices and public cloud providers.**

This eliminates the challenges of being tied to a single vendor, such as unguarded excess spending or reliance on a specific service or technology that is available somewhere else with better value. You'll be empowered to make a strategic decision about where to do your computing without being hampered by limitations set by any one vendor.

Learn how CloudBolt's hybrid cloud and hypervisor management platform helps you manage and control resource consumption across all lines of business in your organization. Using a single platform, you can pre-configure controlled access to any private or public cloud provider.

**Want to discover how CloudBolt can deliver one user interface for disparate technologies?**

We've got you covered. [Reach out to a CloudBolt specialist](#), or call us today at (703) 665-1060.



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## **ONE VIEW. MANY CLOUDS.** Automation. Flexibility. Control.

CloudBolt's hybrid cloud platform enables enterprise IT departments to build, deploy, and manage private and public clouds quickly and efficiently. The user-friendly portal hides the complexities of hybrid cloud, giving end users the ability to manage and provision resources on demand, while administrators set provisioning conditions for governance. With CloudBolt, IT leverages its investment and controls costs while increasing flexibility and agility.