Design principles for a successful cloud implementation

Moving from "cloud first" to "cloud smart"

Cloud sprawl is adding complexity to IT environments

Today, most organizations are operating across multiple clouds. In a recent survey commissioned by Dell Technologies, Vanson Bourne found that 74% of organizations had either fully completed or were in the process of making significant investments in multi-cloud environments[1].

The outcome of this proliferation of cloud environments is often "cloud sprawl," which negates many of the benefits organizations expected to realize from cloud in the first place.

The impact of cloud sprawl

- Inability to automate activities across clouds leaves IT performing lower-value tasks
- Additional risk due to complex shared responsibility models across public clouds
- Increasingly difficult to meet service-level agreements (SLAs)
- Eroding cost efficiencies

Taking control of your cloud environments

In order to exercise the necessary control and extract the most value from private cloud, public cloud, and edge environments, you will need a consistent set of operations across your IT landscape that:

> **Hybrid cloud platforms enable enterprises to select the right infrastructure for the right workload, thereby enabling them to make efficient workload placement decisions that help better meet requirements while controlling costs.[2]**
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> [2]Source: IDC white paper, sponsored by Dell Technologies, Intel, and VMware, Optimizing Workload Placement in Your Hybrid Cloud, doc #US46637920, July 2020.

Ensure business needs are driving technology decision-making

Enable as-a-Service capabilities for your workloads everywhere

Account for proper security postures for each environment

Think of cloud as a set of capabilities, not a destination, and deliver those capabilities to more workloads in more places.

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[1]Source: Digital Transformations Index 2020, Vanson Bourne Research Findings & Methodology, 2020.

How do you build a successful cloud operating model?

It can be challenging to implement a coordinated cloud strategy: Determining where and how a workload should be modified for a cloud environment is easier when you only have a single application to consider. But when you have hundreds, or even thousands of applications to consider, repeatable processes are necessary. We have identified and refined a proven four-step approach that helps organizations better understand the tasks that are necessary to meet objectives across various lines of business.

Strategize

- Define your multi-cloud architecture
- Determine cloud suitability for your applications and data
- Gauge your teams' cloud readiness and identify necessary
- Create a training plan that is tailored to the needs of your workforce

Implement

- Validate your cloud strategy in preparation for deployment
- Integrate core IT operational systems
- Establish team members with existing cloud knowledge who can help train others

Adopt

- Define process updates for operating and managing your cloud services
- Start running production workloads
- Measure performance and productivity
- Execute your training plan with technology-specific and process-specific curriculums

Scale

- Scale/deprovision resources based on usage data
- Fine-tune resources to improve app performance
- Continue to monitor, refine, and optimize
- Transition to ongoing learning and new hire training

Dell Technologies Services: Experts at managing cloud journeys

Dell Technologies deploys and manages clouds seamlessly around the world, so we understand how to deliver a successful strategy while recognizing the challenges and risks of transformation. That's why our experts are here to share best practices and help with your cloud journey. By participating in workshops conducted by our consulting services experts, you can identify and categorize the most important factors that are impacting your IT environment today.

Dell Technologies can also assist and manage your day-to-day cloud operations so you can focus on other priorities. In addition, we provide team trainings and certifications to ensure your organization has the knowledge and skills to support your cloud. No matter what you need, we're here to make your cloud transformation easier.

Contact a Dell Technologies Services Expert to set up your strategy workshop

Learn more: Principles for Designing a Successful Cloud Implementation eBook

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