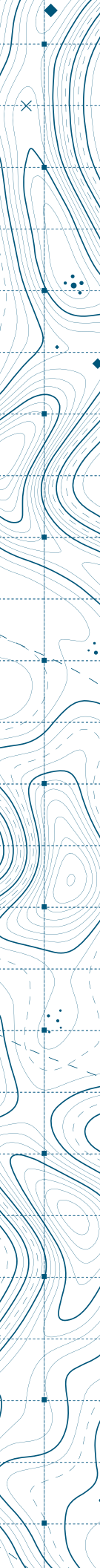# Teton Cloud Consulting

Accelerating Cloud Transformation With Automation
Rapidly deploy secure, scalable landing zones as code

Executive summary

If your organization is looking for a way to grow, the answer may be floating in the cloud. As the digital landscape expands, companies turn to the cloud to drive growth, increase operational efficiency, and improve customer experience. However, migrating to the cloud is not without its challenges. Moving to a comprehensive platform like Microsoft Azure might be the best decision you have ever made. Still, it will require a precise strategy and a structured plan to avoid hurdles like cost management, resource allocation, security, and scalability. Without the right tools and expertise by your side, these challenges can quickly get out of hand, leading to overspending, lack of visibility, and a cloud environment that fails to deliver.

Our beliefs

Teton Cloud Consulting was created to expand customers' market share and accelerate revenue growth by accelerating services growth.

Our approach **drives 5X+ in follow-on** across your services stack.

We help **construct your organization** to drive a growth outcome.

Integrated revenue motions **tie your portfolio together for rapid-scale growth**.

We can **optimize technology** investments across your entire portfolio.

Challenges in cloud adoption

When embarking on a cloud migration journey, there are several common challenges organizations will face, including:

Overspending and lack of cost visibility: Costs can quickly spiral out of control without proper oversight and management strategies.

Lack of a clear strategy: Without a defined strategy, it may be hard to realize the full potential of cloud investments.

Time constraints: The migration process demands significant time, effort, and expertise, which can strain internal resources and prolong the project.

Incomplete understanding of the current environment: Without a clear view of existing applications and dependencies, there's the opportunity for unforeseen complications and disruptions.

Limited visibility into future needs: You may find your company stuck after failing to build enough flexibility to accommodate future growth and changes.

Overview of the Azure Cloud Migration Solution Accelerator

The Azure Cloud Migration Solution Accelerator provides a structured and efficient pathway for organizations to adopt cloud solutions while bypassing common migration challenges. With a holistic approach encompassing discovery, assessment, and planning, this solution enables organizations to move confidently forward with cloud transformation.

How can they be so confident? They'll be guided by insights from their existing IT environment and the knowledge of their future goals.

A unique approach to Azure adoption

Teton's approach to Azure adoption addresses the need for clearly defined, systematic migration processes. As we've discussed, many new cloud users face obstacles that distract them from understanding dependencies across applications and workloads and prioritizing applications for migration or modernization. The Solution Accelerator tackles these issues by simplifying the migration process and empowering teams by providing the tools and guidance needed to succeed in the complex cloud environment.

Another key component of our approach is Altra's Dr Migrate, a Microsoft-endorsed Azure discovery, planning, and assessment tool. With Dr Migrate, Teton helps organizations map out their entire cloud journey by:

- **Conducting a full inventory** of current applications and systems
- **Evaluating the readiness** of applications for migration and modernization
- **Identifying key dependencies** and potential integration points across workloads
- **Defining a migration strategy** that aligns with organizational goals

Through this assessment, organizations will gather insights that lead them confidently forward with a migration strategy that prioritizes costs, minimizes risk, and positions them to get the most value from Azure.

How Summit supports the migration journey

Teton Cloud Consulting's Summit platform is an automated Azure deployment tool that leverages Infrastructure as Code (IaC) principles using Terraform, ensuring that deployments are secure, standardized, and repeatable. This IaC-based approach enables organizations to minimize manual tasks, reduce errors, and implement Azure best practices, setting a strong foundation for a scalable cloud environment.

Summit fully integrates with Microsoft's CAF to establish this secure and flexible foundation for growth. Its architecture supports key aspects of Azure migration, including DevOps automation, resource organization, identity and access management, network connectivity, and security. The key benefits of Summit include:

- **Alignment with Microsoft's CAF:** Ensures industry-aligned standards and compliance requirements are met.
- **Incorporates DevOps best practices:** Delivers consistency and automation for all deployments.
- **Supports hybrid and multicloud models:** Offers flexibility for organizations using multiple cloud services or a hybrid environment.

With Summit at the foundation of our Solution Accelerator, we're ready to help organizations complete their Azure migrations with speed, unlocking the full potential of the cloud.

Teton Cloud Consulting's Summit: A foundation for scalable cloud transformation

As we've shared, Summit is an automated deployment platform that enables organizations to confidently build, migrate, and scale in Microsoft Azure. It provides a comprehensive foundation that supports rapid, secure, and compliant cloud transformation, empowering organizations to realize the full potential of their Azure deployments from day one.

Summit product features

Let's explore the core features that support effective and efficient cloud adoption.

Platform DevOps and automation: Summit integrates DevOps automation into the Azure platform to streamline deployment processes, reduce manual tasks, and ensure consistency with best practices. This automation accelerates time to value and makes cloud transformation more efficient.

Resource organization: With the structured organization of Azure assets, Summit enables accurate allocation of resources, reduces waste, and improves operational visibility. Because resources are easily tracked and managed across workloads, it's easier to scale.

Identity and access management: Summit facilitates secure user access, ensuring only authorized users can access specific resources. This stringent security assists in protecting the safety of Azure assets.

Network connectivity and topology: Flexible network connectivity options allow for more seamless integration within Azure or across multicloud environments. The platform's network topology is designed to support reliable and scalable cloud solutions essential in complex networking environments.

Platform management, security, and governance: With advanced security and governance capabilities that help organizations meet regulatory standards, Summit users can monitor platform activity and proactively manage potential security risks.

Key benefits of using Summit

Summit offers three primary benefits to help organizations seeking to accelerate their Azure migration journey.

1. Fast time to value: Summit uses automation to rapidly deploy secure, Azure-ready platforms, helping organizations get up and running quickly. This accelerated time to value means organizations can begin leveraging the benefits of Azure faster.

2. Managed compliance risk: Summit is commonly used in highly regulated sectors like government and financial services because of its robust compliance and governance features. This includes documentation and supporting artifacts necessary to meet regulatory requirements and simplify the audit process, reducing compliance-related risks.

3. Future-proofed scalability: Summit is designed to grow with an organization. Within its IaC library, Summit can adapt easily to new requirements, expand its capacity, integrate new services, or modify security settings.

How Summit supports the migration journey

Summit's modular, IaC-based design supports each phase of the Azure migration journey, from planning to execution and beyond. Organizations can approach cloud adoption with a solid foundation and the ability to scale. Summit's preconfigured infrastructure allows for quick setup of essential Azure features like DevOps, security, and governance to speed up the overall migration process.

With Summit, teams can meet their current cloud needs and know they're positioned to evolve with the cloud in the long term. Its future-proof design provides a stable, compliant, and efficient foundation that simplifies the complexities of Azure adoption and supports ongoing innovation in a cloud-first world.

Phases of Azure cloud migration with Summit

Teton's Azure Cloud Migration Solution Accelerator, powered by Summit, leads organizations through a structured, three-phase process that ensures the seamless and efficient transition to the cloud. Each phase addresses specific aspects of cloud migration, like assessment, planning, execution, and modernization, with Summit providing critical support along the way.

PHASE 1

Planning and Preparation

The first phase of the process establishes a clear understanding of the organization's current IT estate, finances, and migration readiness. This phase focuses on completing thorough discovery and strategic planning to ensure the migration approach will align with business objectives.

- **Financial scenarios and readiness evaluation:** Using AVS Express, we help you gain insights into the cost implications of the transition, your financial readiness, and the budgeting needed for cloud migration.
- **Functional discovery and migration planning:** We obtain a detailed analysis of existing applications and workloads using Azure Migrate and Dr Migrate. These tools help identify application dependencies and prioritize workloads for migration.
- **Application rationalization and migration strategy:** Dr Migrate facilitates an in-depth review of each application's function, usage, and value, helping organizations decide which applications to migrate, retire, or modernize.
- **Definition and scope of work:** The final step of phase 1 includes defining the full scope of the migration process. This includes setting milestones, allocating resources, and documenting each step to create a roadmap to guide us throughout the process.

PHASE 2

Foundational Setup With Azure Landing Zone

In phase 2, the organization establishes a secure and scalable foundation in Azure. Using Summit and Dr Migrate, an Azure Landing Zone is built to support cloud operations, ensuring the platform is configured to meet organizational needs and compliance standards.

- **Landing Zone creation:** Summit's IaC capabilities streamline the setup of an Azure Landing Zone by aligning with the Microsoft CAF. The Landing Zone is a preconfigured, secure environment where applications and workloads can be confidently deployed.
- **Infrastructure as Code:** By implementing Terraform scripts, Summit ensures that network, security, governance, and resource management configurations are automated and repeatable. This setup minimizes manual errors, strengthens security, and provides a foundation for a compliant cloud infrastructure.

PHASE 3

Migration Execution and Modernization

The final phase involves the actual migration and modernization of applications, guided by Summit's automation. This stage delivers a seamless transition of workloads to Azure, with testing and modernization steps in place to enhance functionality.

- **Migration Factory execution:** Enables a consistent, repeatable process for moving applications to Azure, minimizing downtime and reducing risk
- **Continuity Patrol licensing:** Continuity Patrol is used for testing during migration to ensure everything functions appropriately in the new environment.
- **Modernization opportunities:** Efforts can include rearchitecting or optimizing applications to fully use Azure's capabilities, improve performance, and enhance cost-efficiency.

Jump-start your path forward

Migrating to the cloud can be transformational for organizations, but we know from experience that the migration process can present complex challenges if not done properly. Teton's Azure Cloud Migration Solution Accelerator helps organizations bypass those hurdles by approaching migration with a proven three-phase approach. Leveraging tools like Summit and Altra's Dr Migrate, our Solution Accelerator provides a scalable, secure, and compliant platform that can evolve and grow with you.

When you partner with Teton for this Solution Accelerator, you will benefit from a future-ready cloud environment that supports agility and sustained innovation. Reach out to an account representative today to learn more about the migration process and to begin your cloud transformation.

Where will your ambition take you? Let's talk.

Visit **www.tetoncloudconsulting.com**

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