



TetonCloud
— CONSULTING —

A Teton Cloud White Paper

Resilience at the Summit: A Modern Framework for Disaster Recovery

| *Thinking Above the Clouds*

What's Inside

This white paper outlines the shift from legacy disaster recovery models to a modern, orchestrated framework designed for the cloud era. We explore the mounting complexities of distributed architectures and demonstrate how Teton Cloud Consulting utilizes AI-augmented discovery, cloud-native automation, and an agile factory model to build living recovery capabilities. By aligning technical resilience with business impact through our structured six-step methodology, we empower organizations to move beyond static documentation toward continuous readiness and measurable success at the summit.

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01. Introduction

Rethinking Disaster Recovery for the Cloud Era

In today's cloud-first, AI-augmented enterprise landscape, traditional disaster recovery approaches centered on static runbooks and manual procedures are no longer sufficient.

Achieving Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO) during real-world outages demands a dynamic, intelligent, and orchestrated response. Organizations need to shift their mindset toward continuously improving, cost optimized resiliency. Teton Cloud's modern Disaster Recovery methodology integrates cloud-native tooling, AI-assisted planning, and agile execution to ensure resilience across hybrid and multi-cloud environments.



02. The Evolving Customer

Meeting the Demands of Distributed Architectures



Organizations face mounting complexity from distributed architectures, rapid development cycles, evolving threat landscape and heightened expectations for uptime and customer experience.

Our DR solutions are designed for hybrid and multi-cloud enterprises, especially those leveraging AWS, Azure, and SaaS ecosystems. Industries with regulation and high availability demands, such as financial services, healthcare, e-commerce, telecom, energy, and industrial sectors, benefit significantly from our approach. Fast-growing tech firms and service-oriented businesses also find value in our methodology, which replaces people driven support models with telemetry, observability, and AI-driven insights for continuously monitored dynamic end-to-end readiness validation and automated recovery.

Our Services Benefit Multiple Industries



Financial

Protecting critical assets and ensuring continuous regulatory compliance and uptime.



e-Commerce

Preventing revenue loss by ensuring seamless, high-volume transactional processing stability.



Energy

Ensuring grid reliability and protecting critical infrastructure through intelligent automation.



Healthcare

Securing vital patient data and maintaining life-saving system availability always.



Telecom

Supporting massive network scale with resilient, automated cloud-native infrastructure solutions



Industrial

Optimizing complex supply chains and preventing costly manufacturing downtime events.

03. Why Our Approach is Better

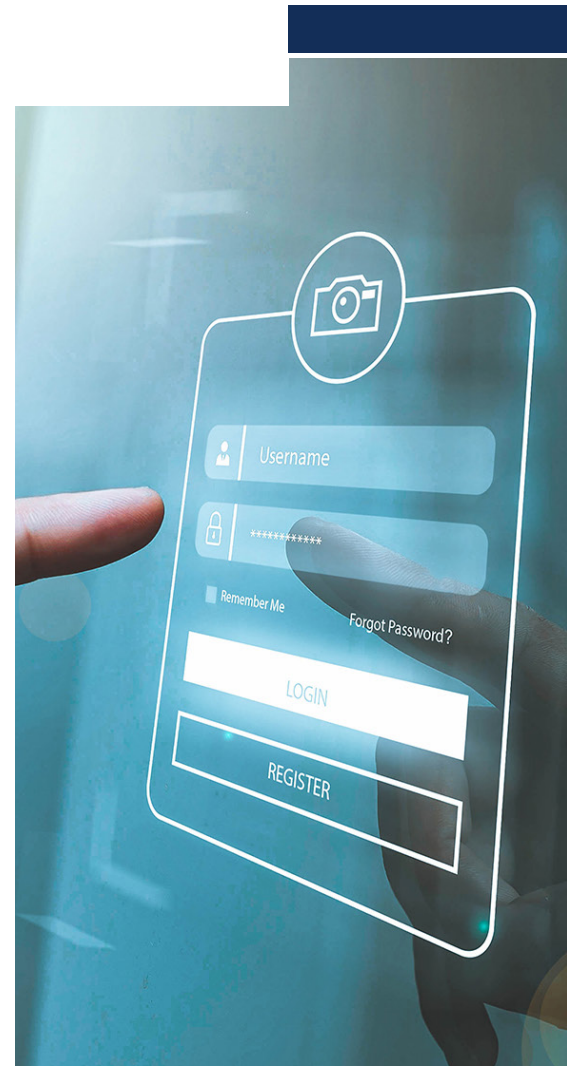
Intelligent Automation & Real-Time Data

Teton Cloud Consulting (TCC) brings a unique blend of deep enterprise IT expertise, modern cloud-native architecture, and AI-powered planning tools to the disaster recovery space.

Unlike traditional Disaster Recovery providers who rely heavily on static documentation and manual execution, TCC leverages intelligent automation and real-time data to drive decision-making and recovery orchestration.

Our proprietary methodology uses AI-assisted tools to rapidly ingest and analyze digital estate data, dynamically map dependencies, and generate executable recovery plans that evolve with your business. We prioritize agility through sprint-based implementation and offer pre-configured workflows that reduce setup complexity.

Our approach ensures that recovery strategies are not only technically sound but also optimized for business objectives through live BIA and Financial Impact Analysis (FIA). With real-time dashboards, one-click testing, and automated alerts, TCC empowers clients to maintain continuous recovery readiness and confidently meet compliance and audit requirements. This holistic, modern, and scalable approach sets TCC apart as a leader in next-generation disaster recovery.



76%

DISRUPTION RATE

THREE-QUARTERS OF ORGANIZATIONS
SUFFERED A DATA EVENT LAST YEAR

04. Key Components of Modern Resiliency

The Building Blocks of an Orchestrated Response

To achieve true resilience, we focus on five core technical components:

AI-Augmented Discovery & Dependency Mapping

Tools rapidly ingest infrastructure and application data to assemble digital estates, validate dependencies, and dynamically generate recovery groupings.

Continuous Validation & Testing

One-click DR testing, infrastructure drift monitoring, and automated failover simulations ensure recovery remains executable and compliant without disrupting operations.

Tiered Recovery Strategy

Applications are categorized by business impact and technical constraints, enabling optimized resource allocation and automated prioritization of recovery sequences.

Integrated Collaboration & Governance

A robust governance framework defines clear roles, escalation paths, and decision criteria, ensuring coordinated execution across IT, business, and executive teams.

Cloud-Native Automation & Monitoring

Leveraging AWS Elastic Disaster Recovery, Azure Site Recovery, and orchestration tools like Terraform and AWS Step Functions, we automate recovery workflows and monitor readiness via real-time dashboards.

Continuous validation identifies 95% of configuration drifts before they impact a recovery event.



05. Methodology Overview

The 6-Step Journey to the Summit

Our methodology is designed to move organizations from a state of reactive uncertainty to a position of orchestrated resilience.

By treating disaster recovery as a continuous lifecycle rather than a one-time project, we ensure that your protection grows alongside your cloud footprint. This structured journey focuses on eliminating the “documentation gap” that typically exists between a written plan and a technical reality.

3x

TCC's agile Factory Model delivery accelerates DR program maturity by 3x over traditional consulting.

The TCC Factory Model utilizes agile sprints to accelerate this ascent, breaking down complex digital estates into manageable cohorts. This approach allows for rapid value realization, ensuring that your most critical business services are protected first. Through the following six waypoints, we build a resilient framework that is both technically sound and financially optimized.

01. Digital Estate Discovery:

AI-assisted ingestion of infrastructure and application data from CMDBs, Azure Migrate, and legacy inventories.

02. Business Impact Analysis (BIA) & Tiering:

Assign RTO/RPO targets based on business criticality and technical feasibility, while identifying high-risk dependencies.

03. Cloud Strategy & Architecture Design:

Define baseline infrastructure and recovery tiers aligned with cloud-native services and orchestration tools.

04. Runbook & DR Plan Development:

Generate dynamic, version-controlled runbooks with executable steps, integrated with ITSM systems.

05. DR Testing & Simulation:

Conduct tabletop exercises and full failover/failback simulations to validate recovery procedures and update plans.

06. Factory Model Implementation:

Scale DR planning using agile sprints and repeatable intake processes, prioritizing applications by complexity and automating orchestration setup

06. Deliverables & Differentiators

Measurable Results and Our Competitive Edge

Tangible Assets for Resilience

TCC provides a comprehensive suite of artifacts designed to transition your disaster recovery program from a theoretical plan to a verified operational capability. Our deliverables include a robust DR Governance Framework, fact based tiering strategies, and detailed application recovery analysis to identify critical areas for improvement. We provide clear, executable runbooks and orchestration tool recommendations that ensure your team is equipped with the exact technical and policy roadmaps required for success. Every engagement concludes with documented exercise results and an optimized resilience strategy that aligns with your specific compliance and business needs.

Deliverables:

- | DR Governance Framework with roles, policies, and escalation paths
- | Fact based tiering strategies to rapidly understand business impact of downtime
- | Application recovery capability analysis to identify areas for improvement
- | Gap Analysis and Optimized resilience strategies
- | Implementation of technical and application improvement to meet strategic needs
- | DR exercise strategy and execution with documented results
- | Orchestration Tool Analysis and recommendations
- | Managed DR services to maintain recovery capabilities

The Teton Advantage

What sets us apart is our ability to merge AI-driven planning with an agile factory model for rapid, enterprise wide scalability. While traditional providers rely on static, manually updated documentation, we utilize advanced tooling to ingest real time data and generate dynamic recovery plans that evolve alongside your infrastructure. Our cloud native execution ensures seamless integration with AWS and Azure, while our sprint based implementation model accelerates program maturity at three times the speed of traditional consulting. We provide continuous visibility through real time dashboards and regulatory reporting, ensuring that your organization remains in a permanent state of readiness.

Differentiators:

- | **AI-Driven Planning:** Rapid, intelligent analysis of complex environments using advanced tooling
- | **Cloud-Native Execution:** Seamless integration with AWS and Azure DR services
- | **Agile Factory Model:** Sprint-based DR implementation across application cohorts
- | **Real-Time Monitoring & Reporting:** Dashboards and alerts for continuous visibility
- | **Regulatory Compliance:** Alignment with ISO, NIST, and other industry standards with reporting tailored to your needs

07. Conclusion

Beyond the Summit: Scaling Future-Ready Recovery

TCC's modern DR approach empowers organizations to move beyond static documentation toward a living, cloud-native, AI-enhanced recovery capability.

TCC's modern DR approach empowers organizations to move beyond static documentation toward a living, cloud-native, AI-enhanced recovery capability. Through structured discovery, intelligent planning, and agile execution, we deliver a resilient DR program that evolves with your business and technology landscape.

The TCC approach ensures rapid value realization while laying the foundation for continuous improvement and enterprise-wide scalability.





Steve Zipperman
Managing Executive Partner

Teton Cloud Consulting is a premier technology advisory firm dedicated to guiding organizations through the complexities of modern cloud transformation. We specialize in translating technical depth into actionable programs that deliver resilient architectures, intelligent automation, and measurable business results. Like the mountain range that inspires our name, we believe that reaching the summit of success requires bold thinking, disciplined planning, and relentless execution.

Why Partner with Teton?

- | **Strategy-Driven Transformation:** We don't just move workloads; we align every technical decision with your core business objectives and strategic pillars.
- | **AI-Augmented Expertise:** By leveraging proprietary, AI-driven tools, we accelerate discovery and planning, reducing the time to value for complex enterprise initiatives.
- | **Cloud-Native Precision:** Our solutions are built for the modern era, utilizing native automation and orchestration to ensure your systems are scalable, secure, and resilient.
- | **The Factory Model:** We utilize agile, sprint-based delivery to provide a repeatable engine for growth, ensuring your organization reaches its goals with speed and quality.

Ready for the Ascent?

Whether you are looking to modernize your infrastructure, secure your data, or orchestrate a world-class disaster recovery program, our team is ready to guide your journey. Let us help you navigate the path to the peak.

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