

# FORGE Reliability Risk Assessment

See how your system fails — and know what to fix first.

FORGE (Framework for Operational Resilience and Governance Excellence) is a structured reliability risk assessment powered by a propagation-aware modeling methodology that produces defensible, prioritized remediation decisions.

It models how failures spread across your actual production system and delivers a ranked remediation plan focused on reducing the most risk.

## The Problem

Most teams know reliability risk exists — but they can't clearly see:

- Which architectural weaknesses create the largest blast radius
- Which fixes will reduce the most systemic risk
- Why reliability work should take priority over other initiatives

As systems grow more complex, architecture documentation falls behind, dependencies live in tribal knowledge, and observability tools show symptoms rather than structural risk. Reliability decisions become reactive, fragmented, and difficult to justify to leadership.

## The Outcome

FORGE replaces guesswork with clarity.

Your organization gains:

- A shared, system level view of reliability risk
- A defensible rationale for what to fix first
- Alignment between engineering leadership and executives
- Confidence that reliability effort reduces real business risk

Instead of reacting after incidents, your teams can act with intention.



# What FORGE Delivers

## Reliability Risk Modeling

- Models real system dependencies, operational controls, and resilience guardrails
- Analyzes how failures propagate across the full environment
- Identifies hidden blast radius and recovery blockers

## Decision Grade Prioritization

- Ranks remediation work based on structural risk
- Produces a short, actionable backlog leadership can fund
- Replaces opinion driven debates with clear rationale

## Structured Engagement

- Focused on one production system
- Collaborative, built from customer system knowledge
- Time boxed (typically 2–4 weeks)
- Designed to minimize disruption to delivery teams, while still getting necessary key stakeholder collaboration

FORGE delivers actionable output — not just analysis or recommendations.

## How FORGE Fits

FORGE is not:

- Another monitoring or observability tool
- A generic architecture review
- A one time report with no follow through

FORGE complements observability, site reliability engineering, and platform work by answering a question those approaches don't:

## What should we fix first to reduce systemic reliability risk and why?

If prioritizing reliability work has been difficult or hard to defend, FORGE can create clarity quickly.

Talk to a Datavail Site Reliability Engineering expert to see a FORGE demo.

