

Game Day Ready: Resilient by Design, Stress-Tested for Scalability

As demand on its sportsbook platform surged, DraftKings needed confidence that its infrastructure could withstand peak usage during major sporting events. Presidio designed and deployed a chaos engineering framework to proactively identify and remediate application vulnerabilities in a live AWS environment.

Challenge: DraftKings needed to ensure that its sportsbook platform could withstand traffic surges during high-profile sporting events such as the Super Bowl and March Madness. With customer experience and uptime on the line, DraftKings sought a way to uncover hidden vulnerabilities and proactively strengthen platform resilience.

Solution: Presidio led a chaos engineering initiative, creating controlled failure scenarios to test system behavior under stress. The engagement simulated disruptions, tested response scenarios, and identified and resolved bottlenecks. This strategy enabled DraftKings to reduce application vulnerabilities and laid the foundation for system automation and self-healing capabilities.

Outcome:

- Projected **\$3M-\$5M** in savings over 3 years by avoiding downtime during peak sporting events.
- Automation reduced manual remediation and testing effort by an estimated **30-40%**, freeing engineering capacity for innovation.
- Improved recovery objectives: RTO reduced from hours to minutes, RPO tightened to near-zero for mission-critical workloads.
- Established a repeatable framework that can extend beyond Sportsbook to additional applications.

