Cloud Penetration Testing Success Stories

Why You Should Choose Embitel

Scope and Our Approach

Cloud environments operate across a vast infrastructure of computing resources. They are distributed by design. Identity, configuration, and service interaction that defines their security posture.

Misconfigurations, implicit trust, and excessive permissions create potential exploit paths across layers.

Our cloud penetration testing aligns with the Principle of Least Privilege (PoLP) and Zero Trust to secure every component of your cloud infrastructure. We aim to not just validate exposure but also exploit feasibility!

Case Study 1

SSRF to Cloud Metadata Exposure Assessment

A cloud-hosted application required validation against Server-Side Request Forgery (SSRF) and privilege escalation risks.

Our Solution

We identified an SSRF vector and leveraged it to access the instance metadata endpoint. This helped us demonstrate credential extraction and privilege escalation through internal service exposure.

Outcomes:

- Identified a critical credential exposure path
- Prevented unauthorized instance-level access
- Strengthened internal service isolation

Case Study 2

Multi-Stage Hosting Environment Exploit Chain

A hosting platform required end-to-end validation of attack feasibility across application and infrastructure layers.

Our Solution

We uncovered business logic flaws, internal DNS manipulation risks, and blind XSS. By chaining these weaknesses, we were able to control redirection of internal traffic to an attacker-controlled system.

Outcomes:

- Demonstrated full exploit-chain feasibility
- Eliminated internal traffic redirection risks
- Hardened DNS and application-layer controls

Case Study 3

Cloud Configuration & Identity Protection

A production cloud environment required validation of identity governance and configuration management.

Our Solution

We tested IAM roles, service permissions, exposed interfaces, and infrastructure configurations to simulate realistic privilege escalation and lateral movement.

Outcomes:

Identified misconfigured access paths

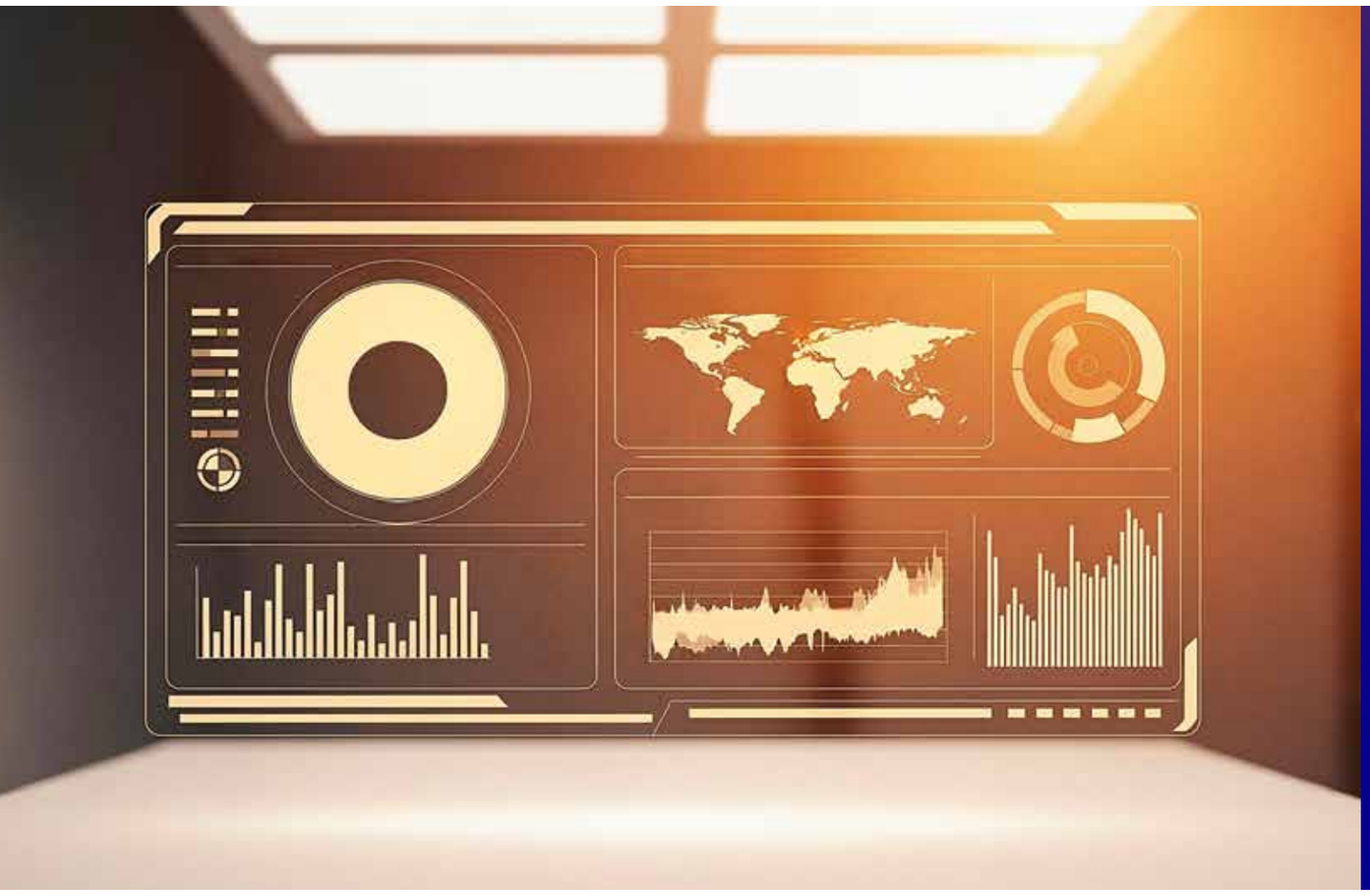
Reduced excessive privilege exposure

Improved workload resilience

Case Study 4

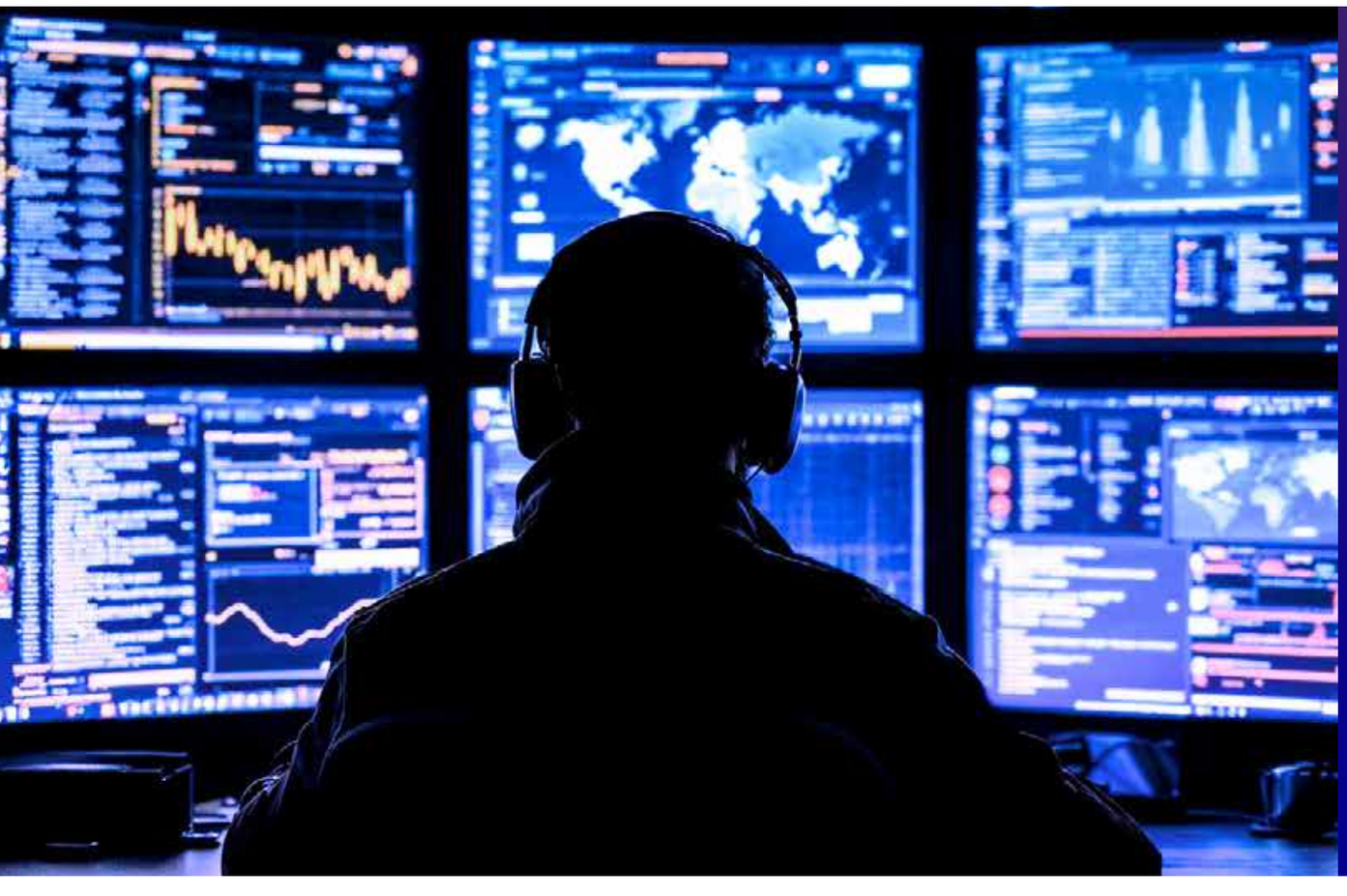
Application Management & Operational Resilience Assessment

A global online sales platform required stronger operational ownership to ensure stability and production security.



Our Solution

We implemented a structured SRE-driven operating model, scaled application components, and established 24×7 Level 2 and Level 3 incident handling.



Outcomes:

- Built a scalable, resilient operations structure
- Improved incident response efficiency
- Strengthened service continuity during peak sales phases

Contact Us

Email

sales@embitel.com

Website

www.embitel.com

Location

India, Germany,

USA, UK, UAE