

CORE SECURITY

DESIGN PRINCIPLES



Least Privilege



1 – Give only the access required – nothing more.

2 – Limit permissions. Control roles. Reduce risk.



Defense in Depth

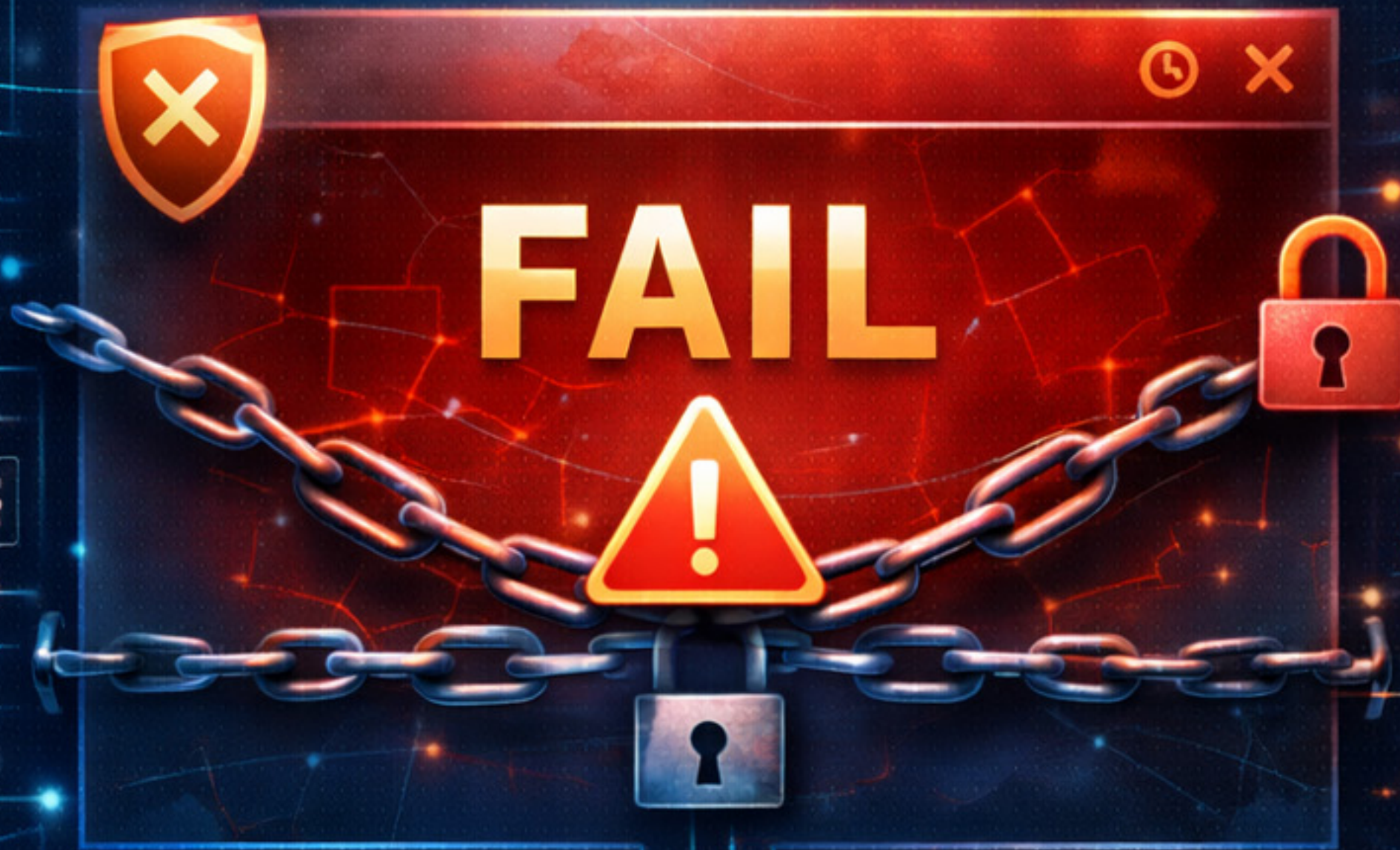


1 – Layer your defenses like a fortress.

2 – Firewalls + MFA + Encryption + Monitoring
= Stronger Shield



Fail Securely



1 – When systems fail, they lock down — not open up.

2 – Default to deny, not allow.



Economy of Mechanism



1 – Keep security simple.

2 – Less complexity = Fewer vulnerabilities.



Open Design



1 – Do not hide flaws behind secrecy.

2 – Use trusted, industry-standard security methods.



Separation of Duties



1 – Divide power to prevent misuse.

2 – No single person controls everything.



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