

Problems w/ Servers

| Organizational Oversight | Technical Debt | Security Gaps | Business Impact | Improvements |
|--|---|--|---|---|
| Lack of understanding infrastructure importance | Outdated servers are still used. | Unpatched vulnerabilities. | Service downtime = revenue loss | Introduce a “DevOps” culture w/ a CI/CD pipeline. |
| Focus on front-end visibility. | No scalable architecture. | Insufficient data backup / recovery plans. | Customers leave due to poor performance. | Regular infrastructure stress testing. |
| Poor communication b/w developers and operators. | Poor API designs. | Weak monitoring & alert system. | High emergency maintenance costs. | Use in-house scaling and automation. |
| Inadequate budgeting for maintenance. | Lack of redundancy & failover systems. | Overlooked authentication measures. | Damage to brand trust/reputation | In team training on system reliability. |
| Missing a roadmap for a long-term vision. | Hard-coded configs that prohibit that limit flexibility | Poor logging practices. | Increased cost as a result of competing with other companies. | Create a key performance indicator. |