INTRODUCTION:

You've invested in cloud migration, but is it smooth sailing, or are you headed for stormy weather? More than 70% of cloud migration projects fail due to numerous reasons.

Our seasoned cloud expert team has listed the top signs that your cloud migration project is not performing well and may soon fail. Have a look at the execution-level and post-migration challenges and their solutions.

EXECUTION STAGE CHALLENGES

1. Lack of Detailed Planning

Sign:

Inadequate or rushed planning stages.

Imapct:

Leads to missed deadlines, budget overruns, and overlooked critical tasks.

Solution:

Implement a robust migration strategy with a clear timeline, milestones, and resource allocation. Use cloud migration frameworks and tools to guide the planning process and ensure alignment with business goals.

According to a Gartner report, **60% of cloud migration projects experience cost overruns due to inadequate or bad planning.**

AMZUR

2. Insufficient Testing

Sign:

Skipping or minimizing testing phases.

Imapct:

Results in unexpected errors, downtime, and system failures.

Solution:

Prioritize testing at every phase, including data migration, application performance, and security. Implement automated testing tools to detect potential errors before they escalate.

A survey by the Cloud Industry Forum found that **43% of companies experienced unplanned downtime due to insufficient testing during migration.**

AMZUR

3. Data Integrity Issues

Sign:

Inconsistencies and errors in migrated data.

Imapct:

Compromises data reliability and can cause operational disruptions.

Solution:

Perform pre-migration and post-migration data validation. Use data validation tools to check for consistency and integrity, and create backups to ensure recoverability.

The IDC states that **40% of organizations report data migration challenges, including data loss and integrity issues**, as significant barriers during cloud adoption.

AMZUR

4. Inadequate Resource Allocation

Sign:

Not assigning enough skilled personnel or budget.

Imapct:

Causes delays and increases the risk of project failure.

Solution:

Allocate skilled personnel and a sufficient budget for the migration. Consider partnering with a cloud migration service provider if internal expertise is lacking.

50% of cloud migration projects are delayed due to underestimating the required resources and expertise.

AMZUR

5. Communication Breakdown

Sign:

Poor communication among project stakeholders.

Imapct:

Leads to misunderstandings, duplicated efforts, and missed critical updates.

Solution:

Establish clear communication channels and regular status meetings. Use project management tools to keep all stakeholders aligned and informed.

According to a Deloitte study, **Communication issues contribute to 33% of cloud migration failures**.

AMZUR

6. Unresolved Technical Debt

Sign:

Poor communication among project stakeholders.

Imapct:

Hinders performance and complicates the new environment.

Solution:

Address technical debt before migration by refactoring legacy applications where needed. Plan for continuous optimization post-migration to prevent these issues from re-emerging.

A Forrester report highlights that **37% of enterprises struggle with technical debt,** which hampers their cloud migration efforts.

AMZUR

7. Vendor Lock-In

Sign:

Over-reliance on a single cloud provider without an exit strategy.

Imapct:

Limits flexibility and can lead to higher costs and dependency.

Solution:

Adopt a multi-cloud or hybrid cloud strategy to avoid over-reliance on one provider. Ensure cloud contracts include clear exit clauses, and design cloud-agnostic architectures when possible.

AMZUR

8. Security Lapses

Sign:

Insufficient attention to security protocols during migration.

Imapct:

Increases vulnerability to data breaches and compliance violations.

Solution:

Conduct a thorough security assessment before migration. Implement encryption, role-based access control (RBAC), and multi-factor authentication (MFA) to protect data during migration.

Global **cybercrime damage costs to grow by 15 percent per year** over the next two years, reaching **$10.5 trillion annually by 2025.**

AMZUR

9. Poor Change Management

Sign:

Lack of structured change management processes.

Imapct:

Causes confusion, resistance from employees, and reduced productivity.

Solution:

Establish a formal change management process with clear roles and responsibilities. Provide training and support to ensure that staff can adapt to new workflows post-migration.

70% of change management programs fail to achieve their goals, largely due to employee resistance and lack of management support.

AMZUR

10. Failure to Address Compliance Requirements

Sign:

Overlooking regulatory and compliance needs.

Imapct:

Risk of legal issues and financial penalties.

Solution:

Engage compliance experts to review cloud configurations before and after migration. Ensure that data governance and regulatory frameworks are adhered to at every stage.

Compliance issues are cited by **52% of companies as a top barrier to cloud adoption.**

POST-MIGRATION STAGE CHALLENGES

11. Performance Degradation

Sign:

Noticeable drop in application performance.

Imapct:

Leads to user dissatisfaction and operational inefficiencies.

Solution:

Implement real-time performance monitoring tools to continuously assess cloud performance. Use cloud-native tools like AWS CloudWatch or Azure Monitor to detect and resolve performance bottlenecks.

41% of businesses report performance issues post-cloud migration, as per a survey by Logic Monitor.

AMZUR

12. Inadequate Monitoring and Management

Sign:

Lack of ongoing monitoring and optimization.

Imapct:

Causes performance issues, increased costs, and undetected security threats.

Solution:

Establish a cloud management strategy that includes ongoing monitoring, automation, and optimization. Leverage AI-driven tools to monitor cloud resources and usage in real time.

Only 30% of organizations have implemented effective monitoring and management tools post-migration, according to a survey by CloudHealth by VMware.

AMZUR

13. Unrealized Cost Savings

Sign:

Cloud costs exceed expectations without corresponding benefits.

Imapct:

Businesses pay more than they anticipate, and this impacts profitability and ROI.

Solution:

Conduct a cost-benefit analysis post-migration to identify discrepancies. Implement FinOps practices to optimize cloud spending and align costs with business outcomes.

57% of companies cite cost management and containment as a significant challenge post-migration.

AMZUR

14. End-User Frustration

Sign:

Negative feedback from users regarding system usability and performance.

Imapct:

Businesses pay more than they anticipate, and this impacts profitability and ROI.

Solution:

Gather user feedback early and address usability concerns. Provide training and documentation to help users adapt to new systems and processes.

32% of IT leaders report end-user dissatisfaction due to poor cloud performance and usability issues post-migration.

AMZUR

15. Neglecting Continuous Improvement

Sign:

No strategy for continuous improvement and updates.

Imapct:

The system becomes outdated quickly, losing competitive advantage.

Solution:

Create a roadmap for ongoing cloud optimization and system improvements. Regularly review cloud performance, security, and compliance to ensure alignment with evolving business needs.

64% of organizations do not have a formal process for continuous improvement post-cloud migration, leading to stagnation and missed opportunities

Conclusion

Cloud migration is a complex and critical process for digital transformation. By identifying and addressing these signs of failure during both the execution and post-migration stages, CIOs and CTOs can significantly improve their chances of success. Comprehensive planning, thorough testing, robust change management, and ongoing monitoring are essential to ensure a smooth and effective cloud migration journey.