

Tech Modernization Checklist

Modernize Your Tech, Secure Your Mission.

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1. Strategy & Planning

- Define a clear digital modernization vision and roadmap
- Align modernization goals with business/mission objectives
- Identify key performance indicators (KPIs) and success metrics
- Conduct current state assessment (infrastructure, workforce, apps, etc .)
- Develop a risk management and change management plan

2. Infrastructure Modernization

- Inventory all on-premises and legacy infrastructure assets
- Evaluate cloud readiness (public, private, hybrid, multi-cloud)
- Implement infrastructure-as-code (IaC) practices
- Modernize network architecture for cloud-native operations (e.g., SD-WAN)
- Ensure scalability and elasticity of resources

3. Application & Platform Modernization

- Inventory all software applications and assess for modernization needs
- Identify candidates for rehosting, refactoring, replatforming, or retirement
- Migrate legacy apps to modern platforms (cloud, containers, SaaS)
- Ensure integration and API-readiness across platforms
- Prioritize user experience (UX) and mobile accessibility
- Establish a DevSecOps pipeline and CI/CD workflows



4. Data & Analytics

- Centralize data management and eliminate data silos
- Implement a data governance framework
- Adopt a modern data platform (e.g., data lakes, warehouses, fabric/mesh)
- Leverage AI/ML for predictive insights and automation
- Ensure real-time data streaming and decision-making capabilities
- Ensure data is accessible, traceable, and secure (metadata catalog, lineage)

5. Cybersecurity Modernization

- Use identity and access management (IAM) and multifactor authentication (MFA)
- Conduct regular vulnerability scans and penetration tests
- Automate threat detection and incident response
- Modernize endpoint security and network defense
- Ensure compliance with frameworks (e.g., NIST 800-53, ISO 27001, CMMC)

6. Workforce Enablement

- Conduct digital skills gap analysis
- Offer training in cloud, cybersecurity, data, and agile methodologies
- Enable remote/hybrid work environments securely
- Promote collaboration via modern tools (e.g., Teams, Slack, SharePoint)
- Develop a culture of innovation and continuous improvement

7. Operations & Automation

- Implement robotic process automation (RPA) for repetitive tasks
- Optimize IT service management (ITSM) workflows
- Integrate performance monitoring and business intelligence tools

8. Compliance & Sustainability

- Ensure alignment with all relevant regulatory and industry standards
- Conduct regular audits and assessments
- Consider sustainability practices in infrastructure and sourcing
- Track and reduce IT-related carbon footprint

9. Continuous Improvement

- Review KPIs quarterly and adapt strategy as needed
- Foster feedback loops between users, developers, and leadership
- Conduct post-modernization lessons learned and maturity assessments
- Iterate modernization roadmap for ongoing innovation

Want Tech Modernization Help?

1

Schedule a Call

2

Get Your POA&M

Schedule a Call

3

Modernize with
Confidence