

Application Migration - Checklist



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Section	Category	Audit Questions	Auditor's Remarks	Auditee Remarks
Pre-Migration Phase	Project Planning	1. Is there a detailed project plan available?		
		2. Does the project plan include a rollback strategy?		
		3. Are the project timelines realistic?		
		4. Are key stakeholders identified?		
		5. Is there a budget allocated for this migration project?		
		6. Is there a risk assessment plan?		
		7. Is a communication plan in place?		
		8. Are regulatory compliance requirements clearly listed?		
		9. Is there a resource allocation plan?		
		10. Are project milestones defined?		
	Infrastructure	1. Is the current environment documented?		
		2. Is the target environment documented?		
		3. Is there a compatibility assessment between the two environments?		
		4. Are hardware requirements for the target environment listed?		
		5. Are all network configurations documented?		
		6. Are firewall rules documented?		
		7. Is there a plan for load balancing?		
		8. Are backup systems in place?		
		9. Are any third-party services involved, and are they documented?		
		10. Is there a contingency plan for infrastructure failures?		
	Data Assessment	1. Is data categorized (e.g., sensitive, public)?		
		2. Is there an estimate of the total data volume?		
		3. Is the data backup strategy defined?		
		4. Are data quality issues like duplicates addressed?		
		5. Are data formats compatible?		
		6. Are database schemas for source and target documented?		
		7. Is there a data transformation plan?		
		8. Is data encryption in place?		
		9. Is there a data validation plan pre and post-migration?		
		10. Are there plans for archiving historical data?		
	Software & Applications	1. Is there a complete inventory of all software and applications?		
		2. Are software dependencies documented?		
		3. Are licenses for all software verified?		
		4. Is the configuration of each application documented?		
		5. Are custom scripts or in-house software included in the migration plan?		
		6. Is there a test plan for each application post-migration?		
		7. Is there a rollback plan for application deployment?		
		8. Are application end-users identified?		
		9. Is there a strategy for application downtime during migration?		
		10. Are there plans for version control during migration?		
		1. Is the code repository backed up prior to migration?		
		2. Is the rollback plan tested?		
		3. Are there logs available for code deployment?		
		4. Are deployment validation tests conducted?		

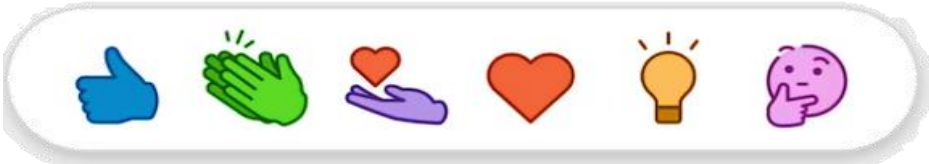
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During Migration	Code Deployment	5. Are code review procedures followed prior to deployment?		
		6. Are there any manual steps involved in deployment, and are they documented?		
		7. Are deployment timelines met?		
		8. Are any third-party services or APIs involved in code deployment?		
		9. Is there a dedicated team for handling deployment issues?		
	Data Migration	10. Is there a plan for simultaneous running of old and new versions for comparison?		
		1. Is a data backup confirmed and verified?		
		2. Is the data migration process logged?		
		3. Are there any data inconsistencies noted during migration?		
		4. Is data validation performed post-migration?		
Post-Migration	Functional Testing	5. Is there a checklist for verifying data fields post-migration?		
		6. Are database constraints (e.g., primary keys, foreign keys) properly set in the target database?		
		7. Is the data migration timeline met?		
		8. Is there a plan for data rollback in case of failure?		
		9. Is data de-duplication performed, if necessary?		
		10. Is sensitive data encrypted during migration?		
		1. Are all application features functional post-migration?		
		2. Is there a difference in feature behavior from the previous version?		
		3. Are mobile and web applications tested?		
		4. Are application interfaces (e.g., GUI, CLI) working as expected?		
	Security & Compliance	5. Are user roles and permissions correctly migrated?		
		6. Are any third-party plugins or add-ons functional?		
		7. Is the search functionality working as expected?		
		8. Are databases queried correctly post-migration?		
		9. Are all forms, buttons, and links functional?		
		10. Is there a mechanism to capture and analyze user-reported issues?		
		1. Are all security protocols functioning as expected post-migration?		
		2. Are GDPR, CCPA, or other privacy laws complied with?		
		3. Are any sensitive data leaks detected?		
		4. Are SSL certificates valid and functioning?		
	Performance & Scalability	5. Is there any unauthorized access detected post-migration?		
		6. Is the firewall effectively blocking unauthorized traffic?		
		7. Are security logs monitored and analyzed?		
		8. Are data encryption methods validated?		
		9. Are security audits performed post-migration?		
		10. Are there any security vulnerabilities identified?		
		1. Is the system performance meeting the benchmarks set before migration?		
		2. Is the system capable of handling peak loads?		
		3. Are load balancing features working as expected?		
		4. Is data retrieval time within acceptable limits?		
		5. Are there any bottlenecks identified in the system?		
		6. Is the CPU usage within acceptable ranges?		

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		7. Are memory usage and disk space within acceptable ranges?		
		8. Are there any delays in data synchronization between systems?		
		9. Are any third-party services affecting performance?		
		10. Is the new system scalable to meet future demands?		

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