

Data Center

Migration Checklist



Preparing for Migration to a Data Center

By following the thorough checklist, your business can minimize downtime, reduce the risk of data loss, and ensure a successful data center migration.

1 Infrastructure Assessment

- ☐ Inventory all servers, storage devices and network equipment.
- ☐ Identify dependencies between applications, databases and services.
- ☐ Determine power and cooling requirements for hardware.
- ☐ Assess physical space and rack unit requirements.

2 Network Configuration

- ☐ Plan IP addressing, VLANs, and subnet configurations.
- ☐ Confirm WAN/LAN connectivity between the office and data center.
- ☐ Configure and test VPNs, firewalls, and security policies.
- ☐ Ensure redundancy and failover mechanisms are in place.

3 Security & Compliance

- ☐ Verify encryption and secure access controls for remote management.
- ☐ Review firewall rules and intrusion detection/prevention settings.
- ☐ Implement logging and monitoring for security events.
- ☐ Ensure compliance with relevant regulations (e.g., GDPR, HIPAA, SOC 2).

4 Backup & Disaster Recovery

- ☐ Perform full backups before migration.
- ☐ Test data restoration and verify integrity.
- ☐ Update disaster recovery (DR) and business continuity plans.
- ☐ Set up offsite or cloud-based backups for redundancy.

Data Center

Migration Checklist



5 Server Preparation

- ☐ Label and document hardware and cabling.
- ☐ Verify server health (e.g., check for disk failures, CPU/memory stress tests).
- ☐ Update firmware, OS, and applications before migration.
- ☐ Decommission or virtualize legacy hardware if necessary.

6 App & Service Migration

- ☐ Identify critical applications that need minimal downtime.
- ☐ Plan for phased or staged migrations to reduce impact.
- ☐ Test applications in a sandbox environment before the final move.
- ☐ Validate database consistency and performance post-migration.

7 User Access & Communication

- ☐ Notify users of planned downtime and expected impact.
- ☐ Update internal documentation and IT support procedures.
- ☐ Provide remote access instructions for IT staff if needed.
- ☐ Monitor and validate post-migration access issues.

8 Testing & Validation

- ☐ Conduct network connectivity and latency tests.
- ☐ Verify server performance and application responsiveness.
- ☐ Test failover mechanisms and high availability configurations.
- ☐ Monitor system logs for errors or unexpected behavior.

9 Contingency Plan

- ☐ Have a rollback plan in case of migration failure.
- ☐ Ensure temporary office infrastructure is available if needed.
- ☐ Assign dedicated personnel to handle issues during cutover.
- ☐ Schedule a post-migration review to identify improvements.

If you're interested in learning more about ifonica's data center solutions, get in touch with one of our experts.

→ sales@ifonica.com

→ 1 (866) 500-5040