



DORA

- Risk Management
- Incident Reporting
- Digital Operational Resilience Testing
- Third-Party Risk Management
- Information Sharing
- Governance and Oversight
- Business Continuity
- Resilience in Critical Services



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Well-Architected Framework

- Operational excellence
- Security
- Performance efficiency
- Reliability
- Cost optimization
- Sustainability





Azure

Well-Architected Framework Security and compliance for regulations



Follow these principles:

- Document solution Architecture
- Segment network and solution components
- Implement zero trust security controls
- Limit access
- Ensure disaster recovery and backups
- Automate processes
- Monitor and alert



AWS Well-Architected Framework

Securing and automating compliance

Follow these principles:

- Automate the collection of compliance information and data
- Implement automated security and compliance check procedures
- Automate the remediation of security and compliance issues
- Secure and automate compliance in a multi-account strategy
- Automate systems recovery after failure
- Control access and data
- Monitor

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Mapping infrastructure best practices with DORA

OPERATIONAL EXCELLENCE

- ICT Risk Management
- Monitoring Systems Testing
- Third-Party Risk Management

SECURITY

- Incident Reporting
- ICT Risk Management
- Information Sharing
- Governance and Oversight

PERFORMANCE EFFICIENCY

- ICT Risk Management
- Digital Operational Resilience
 Testing

SUSTAINABILITY

- ICT Risk Management
- Information Sharing
- Governance and Oversight

RELIABILITY

- ICT Risk Management
- Digital Operational Resilience Testing
- ICT Business Continuity
- Resilience in Critical Services

COSTS OPTIMIZATION

- ICT Risk Management
- ICT Business Continuity
- Governance and Oversight



Network Infrastructure: DORA compliance

ICT Risk Management	Incident Reporting	Digital Operational Resilience Testing
 Redundancy Redundant network paths ensures continuous availability, reduce risks of network failure 	 Segmentation Isolation of solution components (like front-end, middleware and databases) ensures solution security, facilitates containment of incidents, aiding in 	 Redundancy testing Regular testing of redundant paths to ensure effectiveness
 Monitoring Helps in the early detection of network issues, supporting proactive risk management 	accurate and timely reporting	 Monitoring systems testing Ensuring monitoring systems are functioning correctly and automated alerting is in place

Reliability, Operational excellence

Security

Reliability, Operational excellence



Storage Infrastructure: DORA compliance

 Data Replication Protects against data loss and supports risk management by ensuring data availability Backups Regular backups are crucial for 	ntegrity ensuring accurate incident ng by maintaining data accuracy	 Replicated Storage Ensures data is available during a disruption, supporting business
 Backups Regular backups are crucial for 		continuity
recovering from incidents Reliability Security		 Backup Systems Critical for restoring operations after an incident and data loss



Compute Infrastructure: DORA compliance

ICT Risk Management	Digital Operational Resilience Testing	ICT Business Continuity
 Scalability Supports risk management by handling variable workloads without failure Load Balancing Prevents server overload, reducing the risk of downtime Monitoring Monitoring tools letting to track where the data comes from and where it is stored (track information flow and 	 Failover Systems Testing Ensuring failover mechanisms are effective and working correctly Scalability Testing Regular testing to handle peak loads and identify potential issues 	 Failover Systems Ensures critical operations continue during server failures Load Balancing Helps maintain service availability during disruptions
compliance) Reliability, Performance Efficiency	Reliability, Performance Efficiency	Reliability



Security Infrastructure: DORA compliance

ICT Risk Management	Incident Reporting	Information Sharing	Governance and Oversight
 Threat Detection Continuous monitoring to identify and mitigate risks 	 Incident Response Effective incident response plans ensure timely and accurate reporting 	 Threat Detection Sharing threat intelligence with other entities to enhance overall resilience 	 Access Controls Ensures compliance with governance requirements for security
 Access Controls Prevent unauthorized access, reducing risk 			 Incident Response Plans Demonstrates oversight in managing and responding to security incidents
 ICT Asset inventory Identify and manage assets and services 			security meldents
Security, Operational excellence	Security	Security	Security, Operational excellence



Other Infrastructure controls: DORA compliance

ICT Risk Management	ICT Business Continuity	Information Sharing	Governance and Oversight
 Cost-effective Solutions Implement cost-effective solutions for ICT operations to manage financial risks effectively 	Resource Optimization Optimize resource usage to minimize costs and ensure continuity of operations during disruptions	Knowledge Sharing Share best practices and innovations in sustainable ICT operations to enhance overall resilience and compliance	 Cost Management Governance Establish governance mechanisms to monitor and control ICT costs

Cost optimization, Sustainability

Cost optimization, Sustainability

Cost optimization, Sustainability



Architecture best practices for compliance



Understand DORA, identify stakeholders

STEP 2

Map out the business processes impacted by DORA

STEP 3

Define related data and applications to support DORA

STEP 4

Identify the technology infrastructure needed to meet DORA requirements

STEP 5 Develop a roadmap for implementation

STEP 6

Plan the transition from the current state to the target business architecture

STEP 7

Monitor the implementation of components and processes to ensure compliance



Prepare IT solutions for DORA



Aligned infrastructure architecture will support Your IT for DORA

Let's discuss it further





Let's discuss it further

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