WELL-Architected Framework

Questions	Notes
Operational Excellence	 this pillar focuses on creating applications that effectively support production workloads: plan for and anticipate failure Deploy smaller, reversible changes script operations as code Learn from failure and refine EXAMPLE: CodCommit for version control
Security	 This pillar focuses on putting mechanismes in place that help protect your systems and data automate security tasks encrypt data in transit and at rest assign only the least privileges required track who did what and when ensure security at all application layers EXAMPLE: Configure Central logging actions in your account using CloudTrail
Reliability	 This pillar focuses on designing systems that work consistently and recover quickly: recover from failure automatically scale horizontally for resilience stop guessing capacity manage change through automation Test recovery procedures EXAMPLE: Multi-AZ deployments using RDS
Performance efficiency	 This pillar focuses on the effective use of computing resources to meet system and buisness requirements while removing bottlenecks use severless arechitecture first Use multi-region deployments delegate tasks to a cloud vendor Expriments with virtual resources EXAMPLE: You can use Lambda to run code with zero administration
Cost Optimization	 This pillar focuses on delivering optimum and resilient solutions at the least cost to the user utilize consumption-based pricing Implement Cloud financial Managment Measure overall efficiency pay only for resources your application requires EXAMPLE: S3 intelligent-tiering to automatically move your data between access tiers based on your usage patterns
Sustainability	 This pillar focuses on enviremental impacts espicially energy consumption and efficiency understand your impact establish sustainability goals use managed services reduce downstream impact EXAMPLE: EC2 autoscaling you are maximizing utilization