

SOA-C02 Service Map

A fast service-to-purpose map for the AWS operations services that appear most often in SOA-C02 scenarios

BEST FOR Matching an operations problem to the right AWS service	FOCUS Observability, recovery, automation, network, governance	USE WITH Cheat Sheet + Quick Summary
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<h3>1. Observability and audit</h3> <p>CloudWatch - Metrics, dashboards, alarms, and log insights.</p> <p>CloudTrail - API event history for audit and incident investigation.</p> <p>AWS Config - Compliance evaluation and config history.</p> <p>X-Ray - Distributed tracing for application request paths.</p> <p>Health Dashboard - AWS service events affecting your environment.</p>	<h3>2. Automation and operations</h3> <p>Systems Manager - Run Command, Patch Manager, Automation, Session Manager.</p> <p>CloudFormation - IaC for repeatable environments and controlled updates.</p> <p>EventBridge - Event routing to Lambda, SNS, SQS, or Automation.</p> <p>Lambda - Lightweight remediation or scheduled maintenance logic.</p> <p>SNS - Fan-out notifications for alarms and incident workflows.</p>
<h3>3. Storage, backup, and recovery</h3> <p>EBS snapshots - Block-level backups for EC2 volumes.</p> <p>AWS Backup - Centralized backup plans, vaults, and lifecycle policies.</p> <p>S3 lifecycle - Tier or expire data automatically.</p> <p>FSx / EFS - Managed file storage depending on workload protocol needs.</p> <p>RDS Multi-AZ - Managed failover for relational databases.</p>	<h3>4. Networking and edge</h3> <p>VPC - Network boundary for subnets, routes, SGs, and endpoints.</p> <p>NAT Gateway - Outbound internet for private subnets.</p> <p>Route 53 - DNS, health checks, and failover policies.</p> <p>ALB / NLB - Application or transport-layer load balancing.</p> <p>VPC Flow Logs - Packet metadata for traffic troubleshooting.</p>