

AWS Platform Administration

Enterprise-Grade Cloud Operations & Platform Engineering

Engagement Overview · April 2026 · Confidential

7

Service Domains

40+

AWS Services Managed

3

Account Tiers (Dev/Test/Prod)

99.9%

Availability Target

This portfolio documents the full scope of AWS infrastructure administration services delivered across multi-account environments. Responsibilities span compute, identity, storage, networking, containers, and platform services — underpinned by security, automation, and operational excellence.

DOMAIN 1 · AWS INFRASTRUCTURE ADMINISTRATION

Core AWS Environment Management

- Administer and maintain AWS environments across Dev, Test, and Production accounts
- Manage EC2 instances, AMIs, EBS volumes, snapshots, and performance tuning
- Implement patching, backups, and scaling policies for all compute workloads
- Support high availability using Multi-AZ, Auto Scaling, and resilient architecture patterns
- Manage accounts, regions, resource inventory, tagging standards, quotas, and cost controls

EC2	AMI	EBS / Snapshots	Auto Scaling	AWS Organizations	Cost Explorer
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DOMAIN 2 · VIRTUAL DESKTOP & END USER PLATFORMS



SATYA TECHNOLOGIES
We Believe in Solutions

Amazon WorkSpaces & Virtual Desktop Administration

- Administer Amazon WorkSpaces and AWS-based virtual desktop environments
- Manage provisioning, user assignments, performance, policies, and access control
- Troubleshoot desktop connectivity, session, and application issues
- Support secure remote access and optimise end-user experience for cloud-hosted desktops

Amazon WorkSpaces	AppStream 2.0	DCV	Remote Access	Group Policies
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DOMAIN 3 · IDENTITY AND ACCESS MANAGEMENT

IAM, Federation & Secrets Management

- Manage IAM users, roles, policies, permission boundaries, and least-privilege access
- Support identity federation and SSO integration with Entra ID / Azure AD, Okta (SAML/OIDC)
- Administer service roles, instance profiles, cross-account access, and secrets patterns
- Partner with security and application teams to ensure secure identity architecture
- Manage AWS Secrets Manager, Parameter Store, and credential rotation workflows

AWS IAM	AWS SSO / IAM Identity Center	SAML / OIDC	Secrets Manager	Entra ID / Okta
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DOMAIN 4 · COMPUTE, APPLICATION & PLATFORM SERVICES

Application Hosting, Serverless & API Management

- Support applications running on EC2, Elastic Beanstalk, ECS, EKS, and managed platforms
- Administer Lambda functions: triggers, environment variables, execution roles, and scaling
- Manage API Gateway: stages, throttling, authentication, logging, and backend integrations
- Configure load balancing (ALB/NLB), autoscaling, SSL certificates, and Route 53 DNS routing
- Support enterprise and data-driven workload hosting with high availability requirements

Lambda	API Gateway	Elastic Beanstalk	ALB / NLB	Route 53	ACM
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DOMAIN 5 · KUBERNETES & CONTAINER PLATFORM

Amazon EKS Cluster Administration

- Administer and support EKS clusters: upgrades, worker nodes, and autoscaling (Karpenter / CAS)
- Manage ingress controllers, service mesh, secrets (External Secrets Operator), and networking
- Implement cluster security: RBAC, Pod Security Standards, OPA/Gatekeeper policies
- Monitor cluster health using CloudWatch Container Insights, Prometheus, and Grafana
- Support CI/CD integration with container registries (ECR) and deployment pipelines

Amazon EKS	ECR	Karpenter	Helm	Prometheus / Grafana	RBAC
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DOMAIN 6 · STORAGE & DATA SERVICES

AWS Storage Administration

- Administer S3, EBS, EFS, and FSx storage services across workloads
- Manage lifecycle policies, intelligent tiering, versioning, and data retention schedules
- Implement access control, bucket policies, encryption (SSE-S3, SSE-KMS), and replication
- Design cost-effective backup strategies aligned with RTO/RPO requirements
- Support data-ingestion pipelines and gateway-based storage connectivity

S3	EBS	EFs	FSx	AWS Backup	S3 Glacier	KMS
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DOMAIN 7 · NETWORKING & CONNECTIVITY

VPC, Connectivity & Network Security

- Design and manage VPCs, subnets, route tables, internet gateways, and NAT gateways
- Administer VPC peering, AWS Transit Gateway, and PrivateLink for secure service connectivity
- Manage Site-to-Site VPN, AWS Direct Connect, and hybrid cloud network integration
- Configure security groups, network ACLs, AWS WAF, Shield, and GuardDuty network findings
- Monitor network traffic using VPC Flow Logs, CloudWatch, and AWS Network Manager

VPC	Transit Gateway	Direct Connect	AWS WAF	GuardDuty	VPC Flow Logs
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All service domains are managed with a security-first, automation-driven, and cost-conscious operational philosophy — leveraging AWS Well-Architected Framework principles across reliability, performance efficiency, security, and operational excellence pillars.

