

AWS Advanced Networking – Specialty

Course syllabus · Live online · Specialty

Design, implement and troubleshoot complex network architectures on AWS and prepare for the Advanced Networking – Specialty certification.

Live training	54 hours in total
Weekday batch	6 weeks · Monday to Friday, 2 hours per day (10 hours a week)
Weekend batch	7 weeks · Saturday and Sunday, 4 hours each day (8 hours a week)
Self-practice	about 45 hours in total (labs, assignments, revision)
Total effort	about 99 hours including self-practice
Mode	Live instructor-led online sessions · session recordings after each class · small batches
Trainer	Ameya Vaidya
Batch start	Shared by our counselor
Batch timings	Weekday / weekend options, shared by our counselor
Course fee	Shared by our counselor (varies with current offers)

Who is this for?

Network engineers, cloud engineers and architects with networking experience.

Prerequisites

Solid networking fundamentals (TCP/IP, routing, DNS) and AWS Associate-level knowledge.

What you will learn

- Design multi-VPC and hybrid network architectures
- Implement Direct Connect, VPN and Transit Gateway
- Design DNS and content delivery strategies
- Automate and secure network infrastructure
- Monitor and troubleshoot network performance

Tools and technologies

VPC · Transit Gateway · Direct Connect · Site-to-Site VPN · Route 53 · CloudFront · Global Accelerator · Network Firewall

Detailed syllabus

#	Module	Hours	Topics	Hands-on
1	Networking Refresher	4	• OSI/TCP-IP, subnetting, routing, BGP basics • IPv6 on AWS	-
2	VPC Design	7	• Subnets, route tables, gateways • Security groups, NACLs and Network Firewall • VPC endpoints and PrivateLink	Design a segmented VPC

#	Module	Hours	Topics	Hands-on
3	Multi-VPC Connectivity	7	• VPC peering • Transit Gateway architectures • Cloud WAN concepts	Hub-and-spoke with Transit Gateway
4	Hybrid Connectivity	8	• Site-to-Site VPN • Direct Connect and virtual interfaces • BGP routing and failover	VPN with BGP
5	DNS	5	• Route 53 policies and health checks • Hybrid DNS with Resolver • DNS design patterns	Hybrid DNS lab
6	Load Balancing and Content Delivery	7	• ALB, NLB and Gateway Load Balancer • CloudFront • Global Accelerator	Global delivery lab
7	Network Security	5	• Traffic inspection • DDoS protection with Shield and WAF • Encryption in transit	-
8	Monitoring and Troubleshooting	5	• VPC Flow Logs, Traffic Mirroring • Reachability Analyzer and CloudWatch • Performance tuning	Troubleshoot broken paths
9	Exam Preparation	6	• Exam format and scenarios • Domain revision • Mock exam with review	Mock exam
	Total live hours	54		

Projects

- Hybrid network design with failover
- Network troubleshooting runbook

Assessment

Design reviews, lab checkpoints and a mock exam.

Certification

Prepares you for the AWS Certified Advanced Networking – Specialty exam.

What is included

- Live instructor-led online sessions
- Hands-on labs and assignments
- Session recordings after each class
- Doubt-solving support
- Course completion certificate
- Small interactive batches
- Unpaid internship opportunities

Our promise: we do not offer guaranteed-placement claims. We focus on building genuine skills so you are capable of clearing interviews and doing the job. Unpaid internship opportunities are available for practical exposure. Fees and batch dates vary with current offers, so please confirm them with our counselor. This syllabus is indicative and may be updated to reflect industry changes.

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