Mindluster Platform

About the course VPC networking fundamentals for beginners

VPC networking fundamentals course, in this course we will start by exploring the core concepts and components of Virtual Private Cloud (VPC) networking, a foundational element in modern cloud computing. You'll learn how VPCs enable you to create isolated network environments within the cloud, offering you control over network configurations, subnets, routing, and security. The course will guide you through the process of designing and deploying VPCs, including setting up subnets, configuring route tables, and managing IP addressing. We will also cover essential security practices, such as implementing network access controls, setting up VPNs, and using firewalls to protect your VPC environment. Additionally, you'll gain practical knowledge on how to connect VPCs to other networks, whether on-premises or in the cloud, ensuring seamless and secure communication across your infrastructure. By the end of this course, you'll be equipped with the skills to design, implement, and manage VPC networks effectively, providing a secure and scalable foundation for your cloud-based applications. Join us to master VPC networking fundamentals and enhance your cloud networking expertise.

Computer Science Category's Courses

Course Lesson(22)

Lesson 1 : **Networking Fundamentals on Google Cloud Challenge Lab ARC124**

Lesson 2 : **Building a High throughput VPN GSP062**

Lesson 3 : **Network Tiers Optimizing Network Spend GSP219**

Lesson 4 : **Configuring Networks via gcloud GSP630**

Lesson 5 : **Optimizing Network Spend with Network Tiers**

Lesson 6 : **VPC Networking Cloud HA VPN GSP619**

Lesson 7 : **VPC Networking Fundamentals GSP210**

Lesson 8 : **VPC Network Peering GSP193**

Lesson 9 : **Caching Content with Cloud CDN**

Lesson 10 : **Cloud CDN GSP217**

Lesson 11 : **Internal Load Balancer GSP041**

Lesson 12 : **Set Up Network and HTTP Load Balancers GSP007**

Lesson 13 : **Defending Edge Cache with Cloud Armor GSP878**

Lesson 14 : **Cloud Armor Preconfigured WAF Rules GSP879**

Lesson 15 : **Rate Limiting with Cloud Armor GSP975**

Lesson 16 : **Create an Internal Load Balancer GSP216**

Lesson 17 : **HTTP Load Balancer with Cloud Armor GSP215**

Lesson 18 : **VPC Networks Controlling Access GSP213**

Lesson 19 : **Configuring an HTTP Load Balancer with Autoscaling**

Lesson 20 : **Implement Private Google Access and Cloud NAT**

Lesson 21 : **VPC Networking**

Lesson 22 : **Networking 101 GSP016**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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