

## **AWS Technical Essentials Q&A**

1. What are the four main factors to consider when choosing a Region?  
**Latency, price, service availability, and compliance**
2. What are some benefits of cloud computing?  
**Global in minutes, reduced cost, pay as you go, auto-scaling**
3. How can you give access to AWS resources without an IAM user account?  
**IAM role**
4. What is the principle of **least privilege**?  
**A policy of giving users only the permissions they need to do their jobs**
5. Which AWS solution is typically used for object data storage?  
**Simple Storage Service (S3)**
6. Which AWS solution is used to store data for EC2 instances?  
**Elastic Block Store (EBS)**
7. When would you choose a NAT gateway instead of an Internet Gateway?  
**To prevent inbound traffic from the Internet to your VPC**
8. Why would you use a security group in your AWS Cloud?  
**To create firewall rules for EC2 instances**
9. What serverless database permits the creation of tables without schemas?  
**Amazon DynamoDB**
10. True or False. RDS admins must do their own database optimization.  
**True**
11. Which RDS database supports replication across multiple regions?  
**Aurora**
12. True or False. AWS RDS supports SQL Server in the Free Tier?  
**True**