1. Amazon Elastic Compute Cloud (Amazon EC2): It provides resizable compute capacity in the cloud, allowing users to quickly scale computing resources as needed. It offers a wide range of instances types optimized for different use cases.

Use Cases ->
* Hosting web applications
* Running backend servers
* Batch processing
* Scientific computing
* High performance computing

Benefits ->
* Flexibility
* Scalability
* Cost - Effective
* Integration

Challenges ->
* Management overhead
* Cost optimization
* Security

2. Amazon Simple Storage Service (Amazon S3): It is a scalable object storage service that provides high durability, availability, and performance. It is designed to store and retrieve any amount of data from anywhere.

Use Cases ->
* Backup and restore
* Data archiving
* Big data analytics
* Static website hosting

Benefits →
* Durability
* Scalability
* Security
* Cost effective

Challenges →
* Data management
* Costs
* Performance

3. Amazon Relational Database Service (Amazon RDS) : It is a managed relational database service that supports several database engines, including MySQL, PostgreSQL, MariaDB, Oracle, and SQL Server. It automates common administrative tasks.

Use Cases →
* Web & mobile applications
* E-commerce platforms
* Content management systems
* Data warehousing
* Enterprise application

Benefits →
* Managed Service
* High Availability
* Performance
* Security

Challenges →
* Cost management
* Customization
* Vendor lock-in

4. Amazon Cloudfront : It is a content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency and high transfer speeds.

Use Cases ->
* Content distribution
* Video streaming
* API acceleration

Benefits ->
* Global Reach
* Performance
* Security
* Cost - effective

Challenges ->
* Configuration
* Invalidation Costs
* Debugging