

Activity: All About Amazon EC2, Amazon S3, and DNS

Refer to the following sites to answer the questions:

- Amazon EC2 Instance Types: <https://aws.amazon.com/ec2/instance-types/>
- Amazon S3 Storage Classes: <https://aws.amazon.com/s3/storage-classes/>

1. What does an Amazon Elastic Compute Cloud (Amazon EC2) instance do?
2. In the following table, list the five categories of EC2 instances and describe what each category is designed for.

Category	Designed for

STUDENT WORKSHEET

3. In the following table, recommend the best category of EC2 instance type and explain your choice.

Purpose	Recommended EC2 Instance Type Category	Why?
Hosting a web server		
Multiplayer gaming		
Data analytics		
Speech recognition		

4. What is the Amazon Simple Storage Service (Amazon S3) used for?

5. In the following table, describe what the different Amazon S3 storage classes are designed for.

Storage Class	Designed for
S3 Standard	
S3 Intelligent-Tiering	
S3 Standard-IA	
S3 One Zone-IA	
S3 Glacier	
S3 Glacier Deep Archive	

STUDENT WORKSHEET

6. In the following table, recommend the best Amazon S3 storage class and explain your choice.

Type of Data	Recommended Amazon S3 Storage Class	Why?
Mobile game data		
Disaster recovery data		
Data that may or may not be used often		
Media archives		

7. Describe the purpose of a Domain Name System (DNS).
8. What is the difference between a static website and a dynamic website?