Week 3 Quiz 2

LATEST SUBMISSION GRADE

100%

1. The purpose of encrypting data when it is in transit between systems and services is to prevent (choose 3 correct answers):

   `1 / 1 point`

   ☐ unauthenticated server and client communication

   ☑ eavesdropping

   > ✓ **Correct**

   ☑ unauthorized alterations

   > ✓ **Correct**

   ☑ unauthorized copying

   > ✓ **Correct**

2. Which protocol below is an industry-standard cryptographic protocol used for encrypting data at the transport layer?

   `1 / 1 point`

   ○ HTTPS

   ⦿ TLS

   ○ X.509

   ○ IPSec

   > ✓ **Correct**

3. How do you encrypt an existing un-encrypted EBS volume?

   `1 / 1 point`

   ○ EBS volumes are encrypted at rest by default

   ○ Enable Encryption by Default feature

   ⦿ Take a snapshot for EBS volume, and create new encrypted volume for this snapshot

   ○ Enable encryption for EC2 instance, which will encrypt the attached EBS volumes

   > ✓ **Correct**

4. Can you encrypt just a subset of items in a DynamoDB table?

1 / 1 point

◯ Yes

⦿ No

✓ **Correct**

5. When you enable encryption for RDS DB instance, what would not be encrypted?

1 / 1 point

⦿ JBDC connection

◯ Transaction logs

◯ Automated backups

◯ Read Replicas

◯ Snapshots

✓ **Correct**