

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

- ☒ JDBC connection
- ☐ Transaction logs
- ☐ Automated backups
- ☐ Read Replicas
- ☐ Snapshots

 **Correct**