

Section 4: Data & Applications  
Preparation Course for Exam AZ-500  
Microsoft Azure Security Technologies

Secure Data and Applications (30-35%)

## **Configure Security Policies to Manage Data**

Configure data classification; configure data retention; configure data sovereignty

- [Configure data classification](#)
- [Configure data retention](#)

## **Configure Security for Data Infrastructure**

Enable database authentication; enable database auditing; configure Microsoft Azure SQL Database threat detection; configure access control for storage accounts; configure key management for storage accounts; create and manage Shared Access Signature (SAS); configure security for HDInsights; configure security for Cosmos DB; configure security for Microsoft Azure Data Lake

- [Enable database authentication](#)
- [Enable database auditing](#)
- [Configure Microsoft Azure SQL Database threat detection](#)
- [Configure access control for storage accounts](#)
- [Configure key management for storage accounts](#)
- [Create and manage Shared Access Signatures \(SAS\)](#)
- [Configure security for HDInsights](#)
- [Configure security for Cosmos DB](#)
- [Configure security for Microsoft Azure Data Lake](#)

## **Implement Security for Application Delivery**

Implement security validations for application development; configure synthetic security transactions

- [Implement Microsoft Azure SQL Database Always Encrypted](#)
- [Implement database encryption](#)

- [Implement backup encryption](#)
- [Implement security validations for application development](#)
- [Configure synthetic security transactions](#)

## Configure Application Security

Configure SSL/TLS certs; configure Microsoft Azure services to protect web apps; create and application security baseline

- [Configure SSL/TLS certs](#)
- [Configure Microsoft Azure services to protect web apps](#)
- [Create an application security baseline](#)

## Configure and Manage Key Vault

Manage access to Key Vault; manage permissions to secrets, certificates, and keys; manage certificates; manage secrets; configure key rotation

- [Manage Access to Key Vault](#)
- [Manage certificates](#)
- [Configure key rotation](#)