

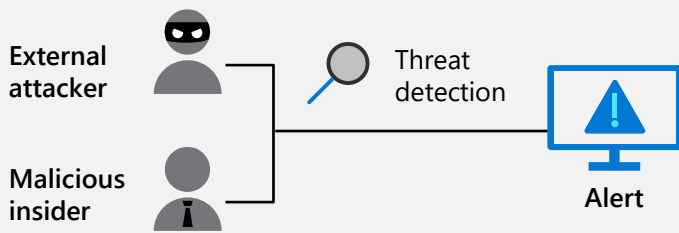
Advanced data protection

End-to-end security for the family of SQL cloud databases

Azure SQL is the family of SQL cloud databases providing flexible options for app migration, modernization, and development. Always up to date with the latest security patches, Azure SQL is surrounded by layers of protection that guard your SQL data from anomalous database access and query patterns, SQL injection attacks, and other threats.

Azure Defender for SQL

Advanced Threat Protection detects anomalous database activities that could pose threats.

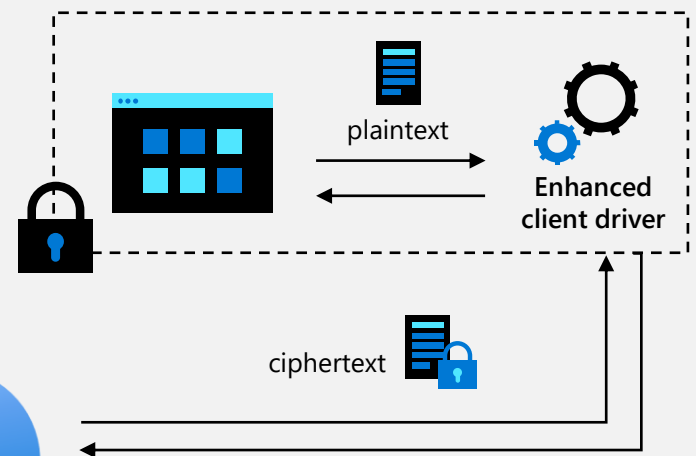


Vulnerability Assessment identifies, tracks, and resolves SQL security vulnerabilities.



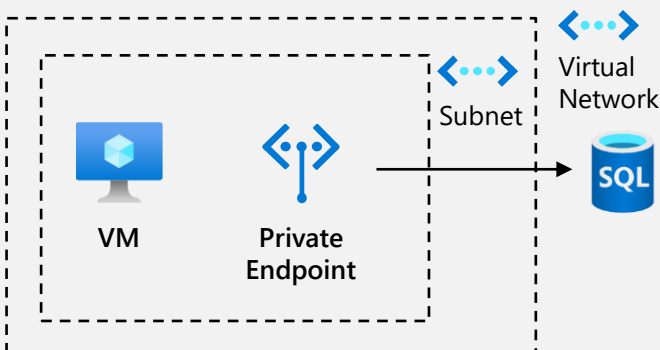
Data Encryption

Transparent Data Encryption encrypts all data at rest. Use **Always Encrypted** to encrypt sensitive data while in use without revealing encryption keys to the service.



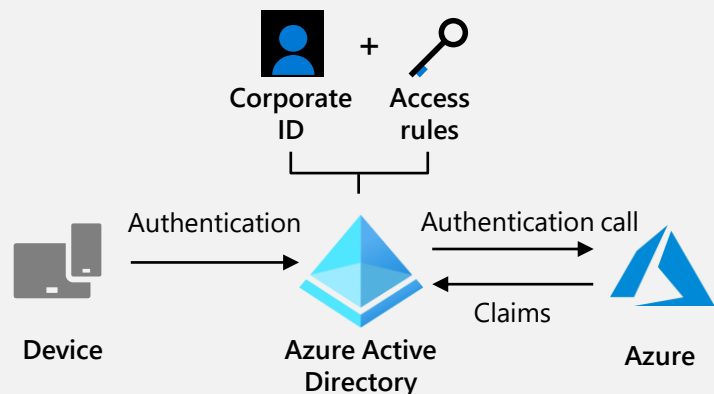
Network security

Privately connect to SQL cloud databases from within customers' Virtual Networks (VNet).



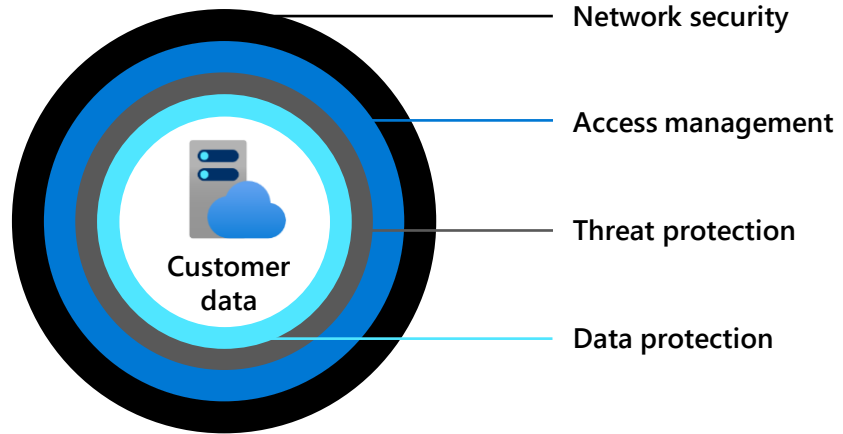
Azure Active Directory Authentication

Simplify the management of identities and stop the proliferation of passwords with single sign-on using Windows authentication.



A defense-in-depth approach to security

Microsoft Azure employs layers of overlapping protection to deliver unmatched security to your cloud and hybrid workloads – all with the broadest portfolio of compliance offerings in the industry.



Key security features



Network security

- IP firewall rules
- Virtual network service endpoints
- Native virtual network support
- Transport layer security



Access Management

- Azure Active Directory authentication
- SQL authentication
- Role-based access
- Row-level security



Threat Protection

- Vulnerability Assessment
- SQL auditing
- Real-time Advanced Threat Protection



Data Protection

- Data Discovery and Classification
- Always Encrypted
- Transparent data encryption
- Bring Your Own Key (BYOK) support
- Dynamic data masking

Compliance

More than 90 compliance offerings worldwide, including CIS Benchmark, CSA-STAR attestation, CSA-STAR certification, CSA-STAR self-assessment, ISO 20000-1:2011, ISO 22301, ISO 27001, ISO 27017, ISO 27018, ISO 27701, ISO 9001, PCI DSS, SOC, WCAG

“When it comes to recognizing the importance of the security and privacy of data, Microsoft has a reputation way ahead of other large cloud providers”

Marc Elkins

Vice President, Associate General Counsel and Chief Compliance Officer
Cerner Corporation



Learn more at Azure Security Center [aka.ms/Azure Security Center](https://aka.ms/Azure_Security_Center)