Azure Security Services Part 2

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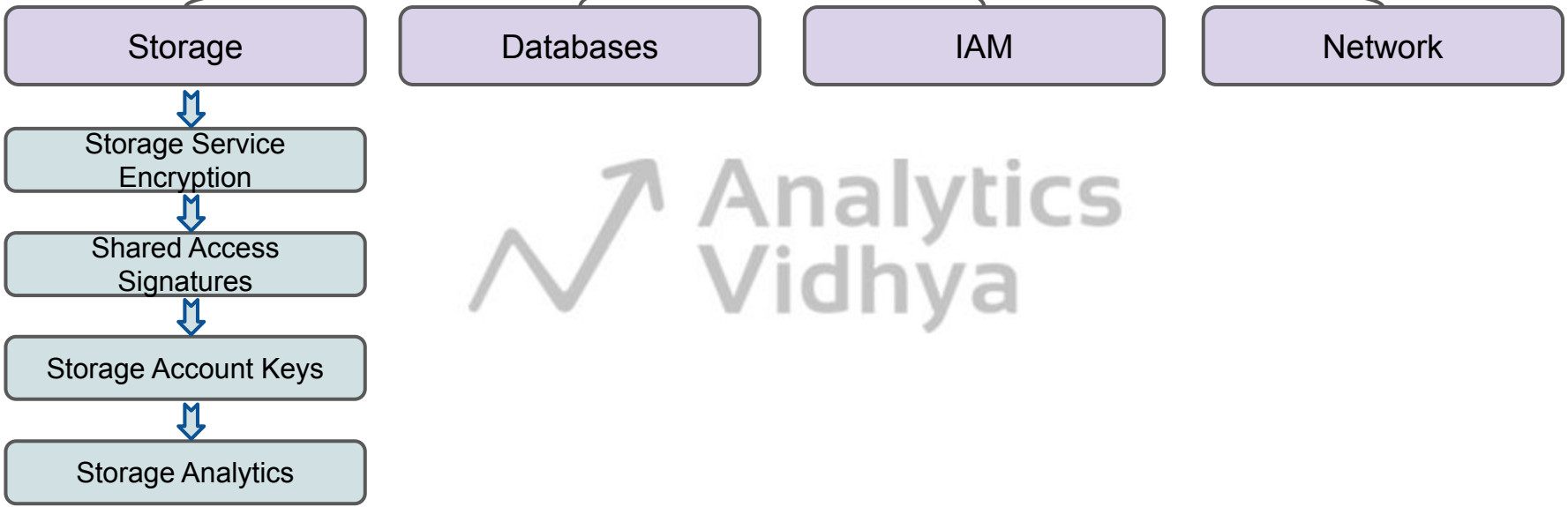
Azure Security Services



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Azure Security Services

- Storage
  - Storage Service Encryption
  - Shared Access Signatures
  - Storage Account Keys
  - Storage Analytics
- Databases
- IAM
- Network

Data that is persisted to the cloud is automatically encrypted by Azure, without any extra cost.

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Azure Security Services

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Shared access signatures provide granular control over how your data can be accessed, and which resources can be accessed.

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Azure Security Services

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Storage account access keys are essentially root passwords for your storage account.

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It is a service that performs logging for storage accounts

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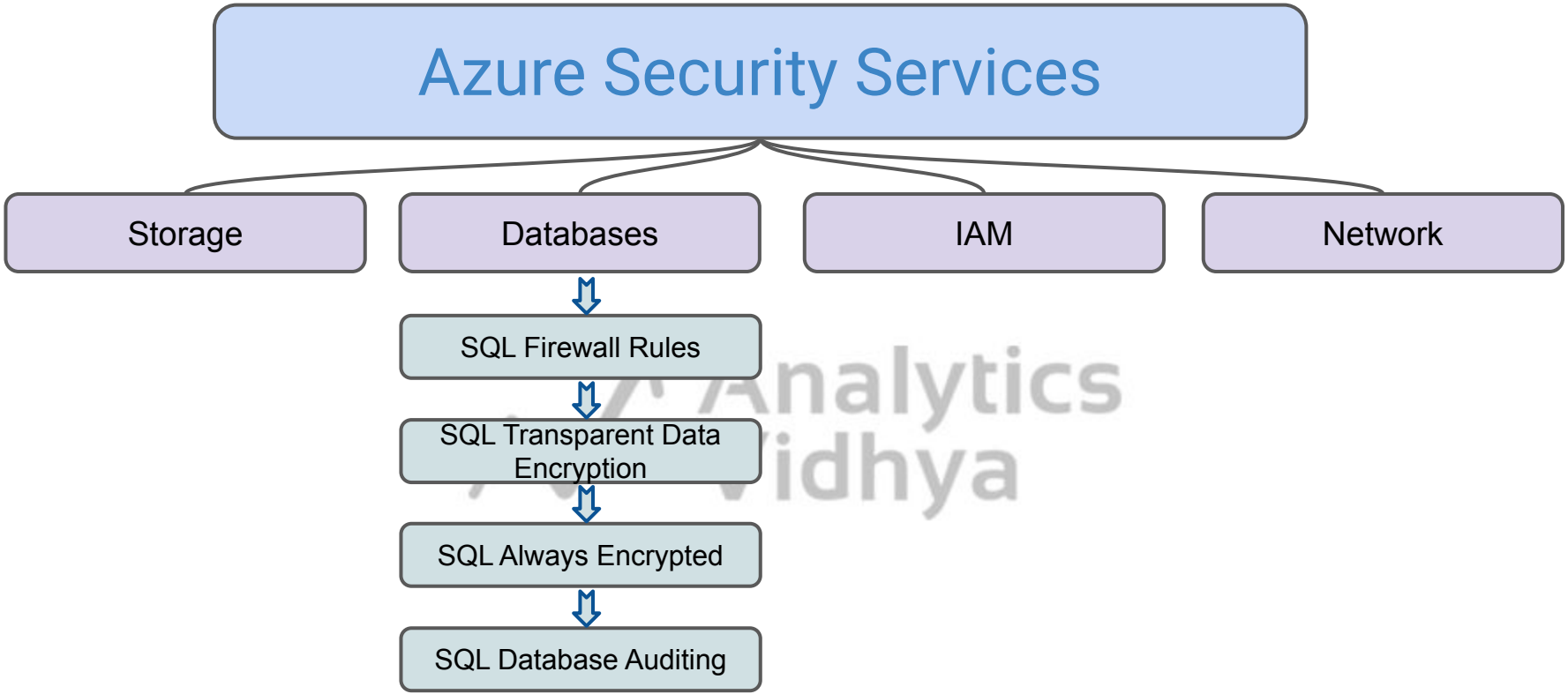

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Azure Security Services

- Storage
- Databases
  - SQL Firewall Rules
  - SQL Transparent Data Encryption
  - SQL Always Encrypted
  - SQL Database Auditing
- IAM
- Network

SQL Database firewall will automatically block all access to the public endpoint for the server.

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TDE performs real-time encryption and decryption of the database without the need for any changes to the application.

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Azure Security Services

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It can encrypt sensitive data inside the client applications without revealing the encryption keys to the SQL Server.

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Auditing your SQL databases helps organizations maintain regulatory compliance, and track down information on anomalies.

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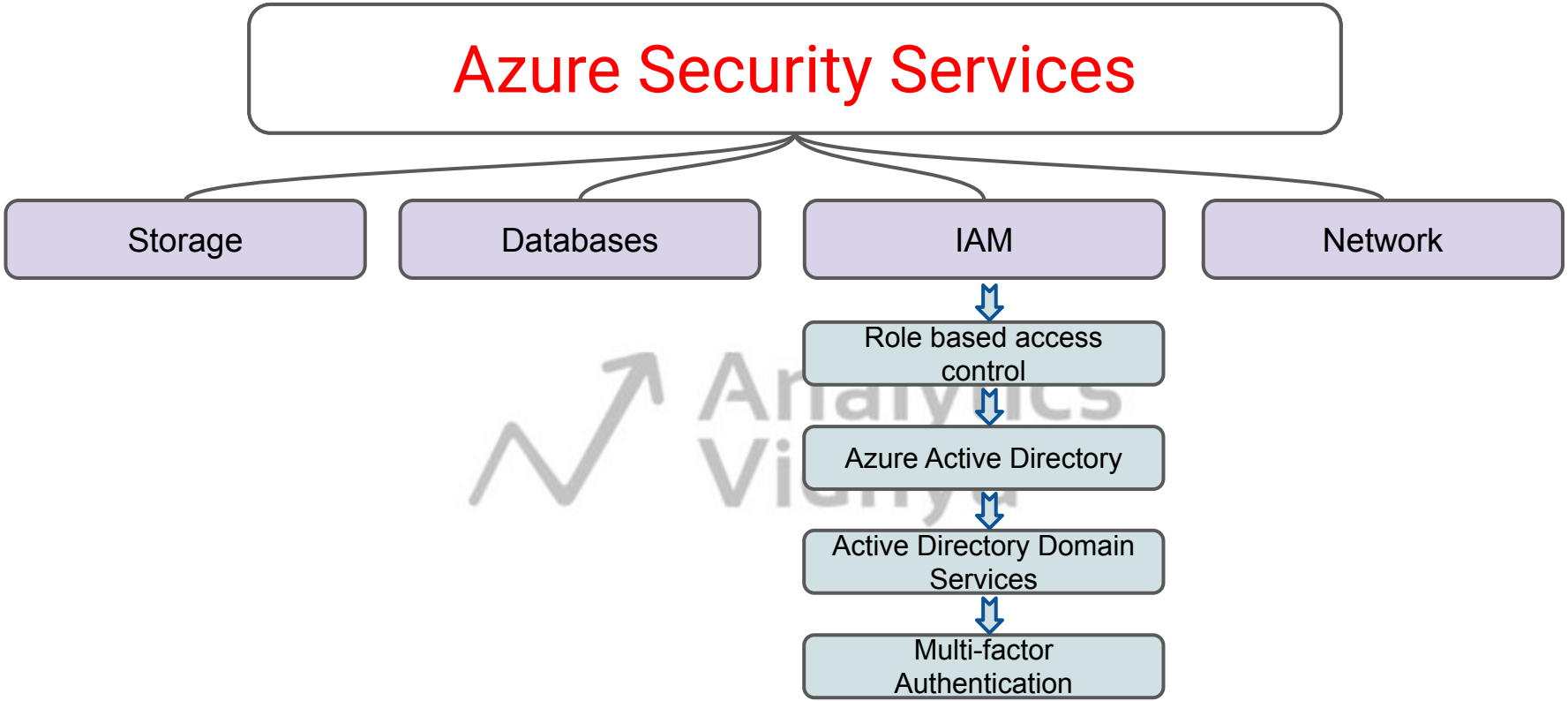

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Azure Security Services

- Storage
- Databases
- IAM
  - Role based access control
  - Azure Active Directory
  - Active Directory Domain Services
  - Multi-factor Authentication
- Network

RBAC is an authorization system which offers fine-grained access management of you Azure resources.

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You can use this to allow users to sign in and access resources inside your azure environment.

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It is a cloud offering that provides managed domain services to organizations

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It offers organizations two-step verification.

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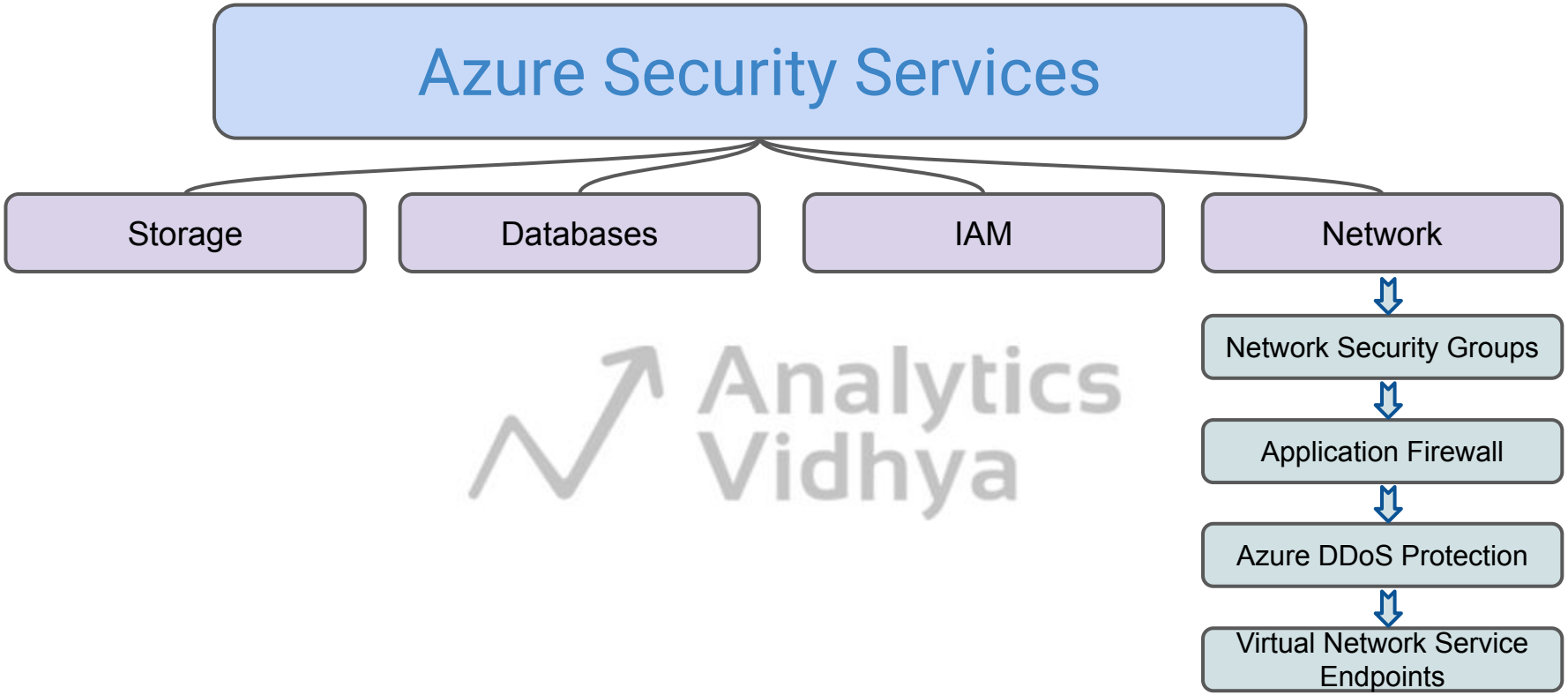

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Azure Security Services

- Storage
- Databases
- IAM
- Network
  - Network Security Groups
  - Application Firewall
  - Azure DDoS Protection
  - Virtual Network Service Endpoints

These are used to filter network traffic to and from Azure resources that are connected to an Azure virtual network.

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It is the application gateway service that helps your azure application against malicious attacks.

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It protects your azure application against DDoS attacks through dedicated traffic monitoring and machine learning algorithms.

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Service endpoints are used to extend the private address space of an Azure virtual network.

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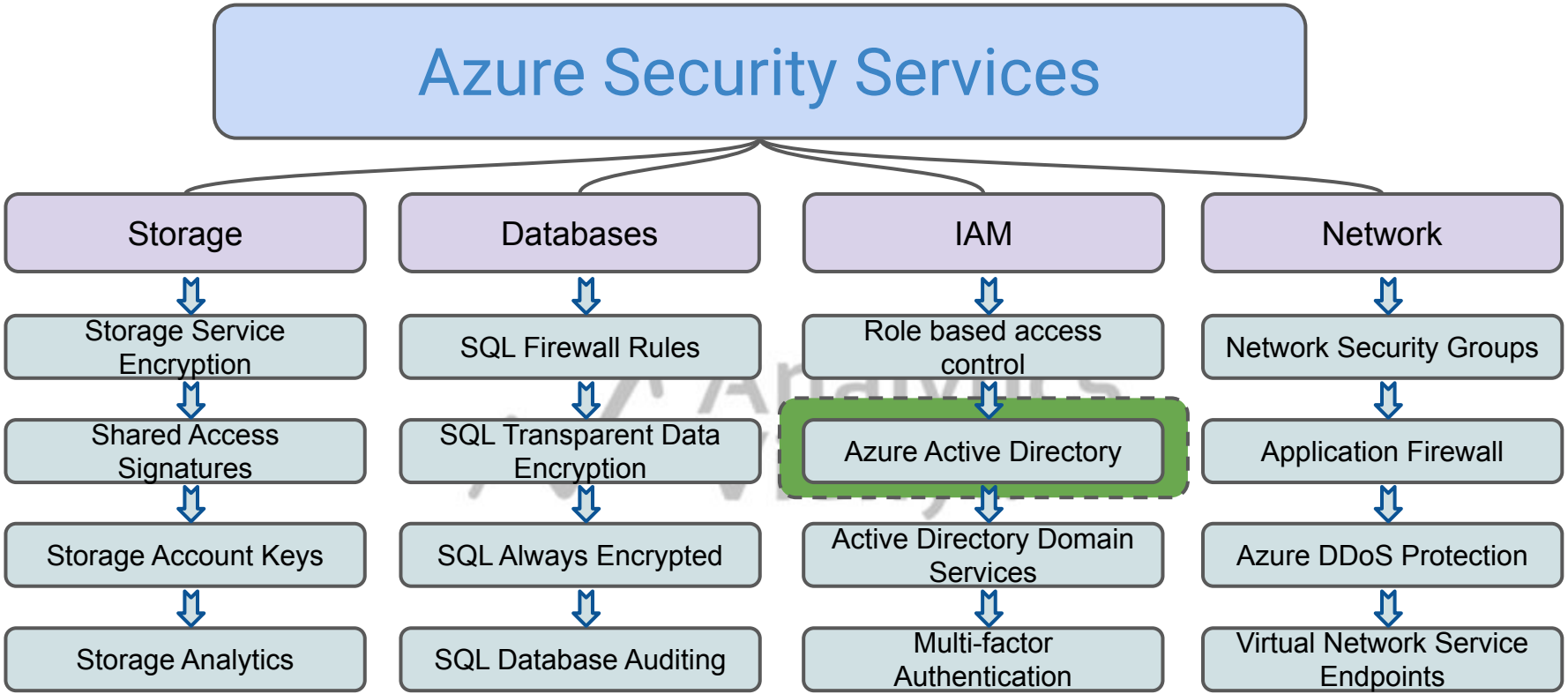

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Thank You

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