

Securing Service Bus Entities



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Active Solution

youtube.com/user/CloudCasts

Overview



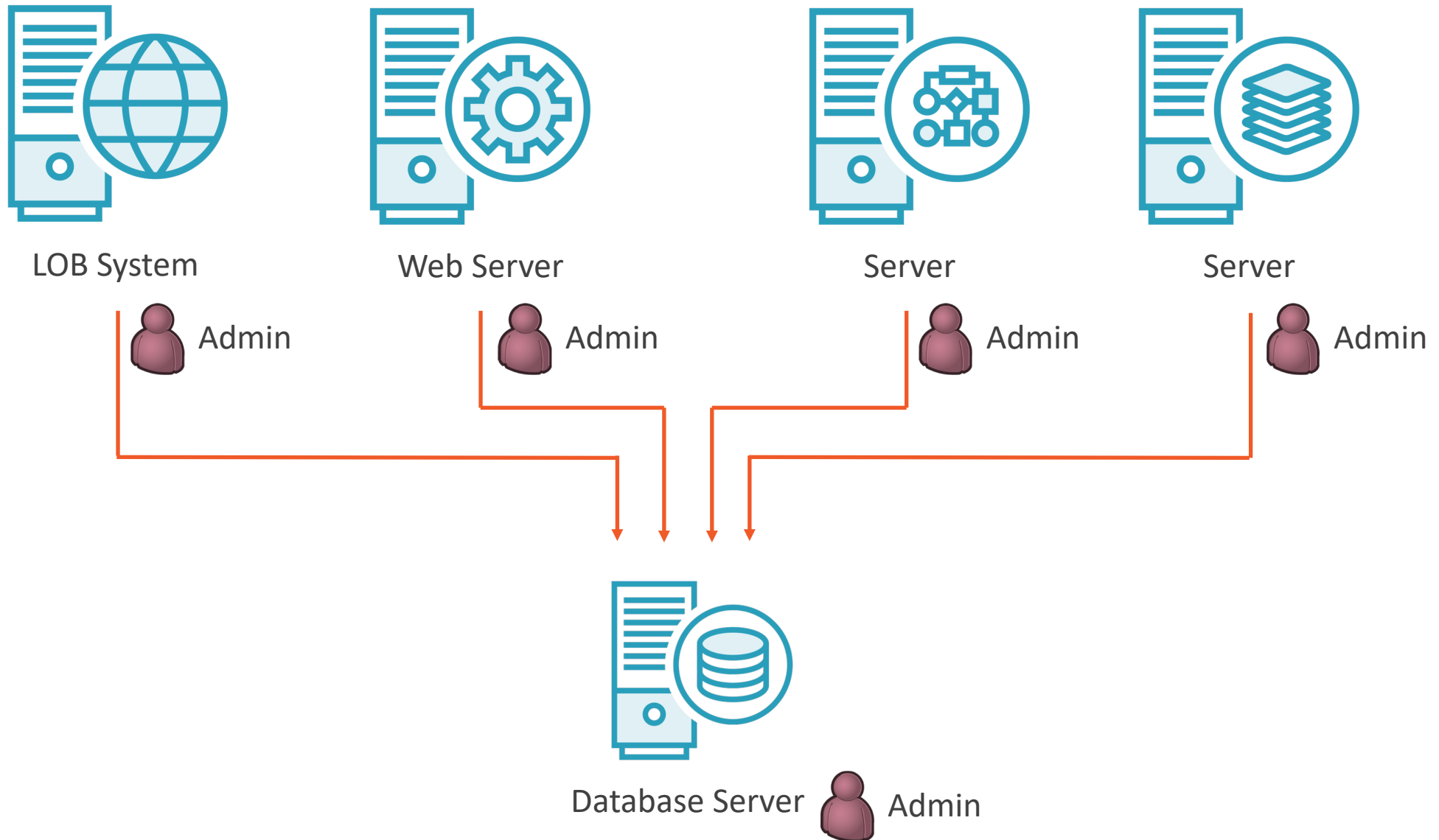
Security Requirements

Working with Shared Access Signatures

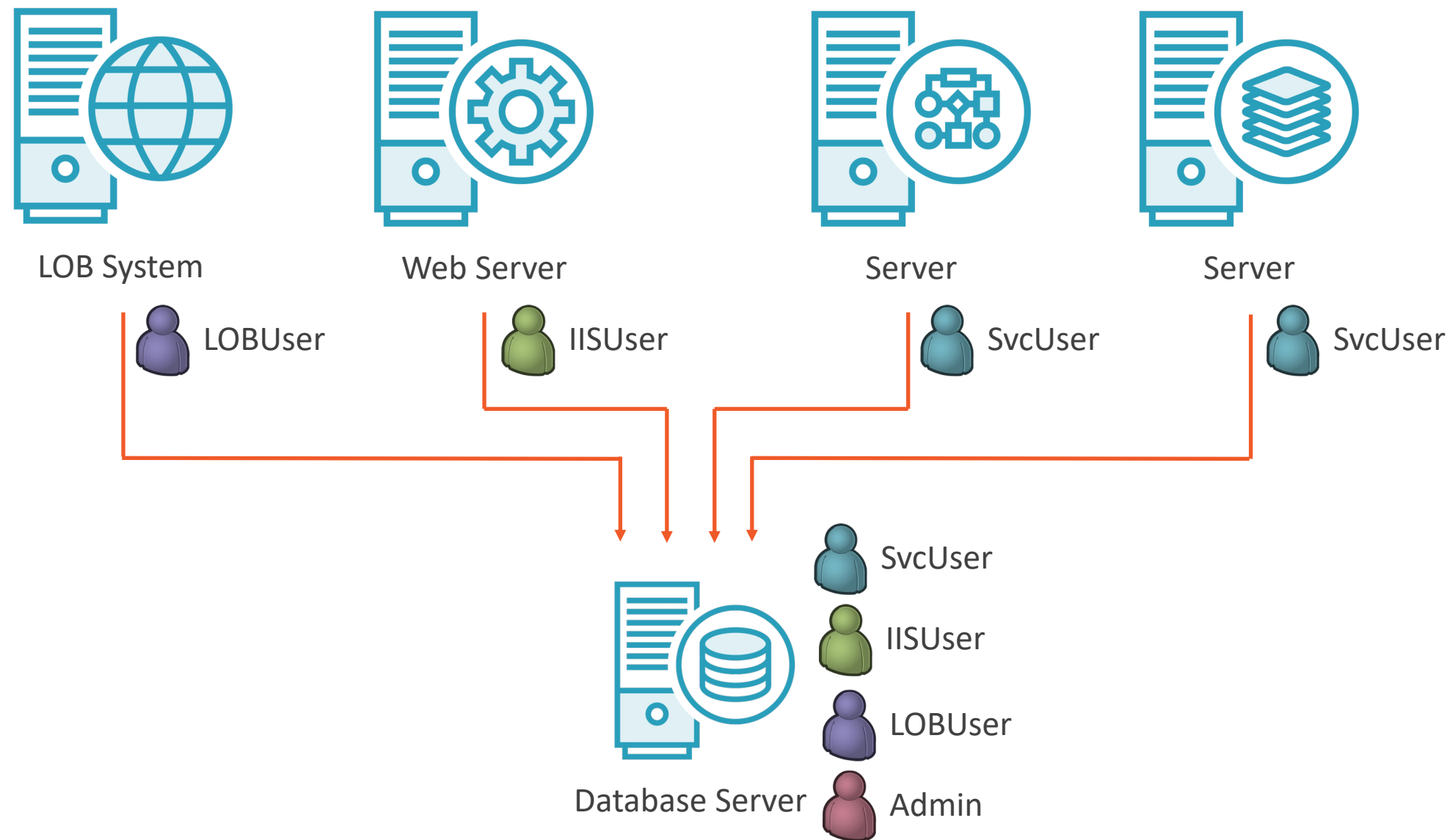
Demo: Securing Service Bus Artifacts using Shared Access Signatures

Security Requirements

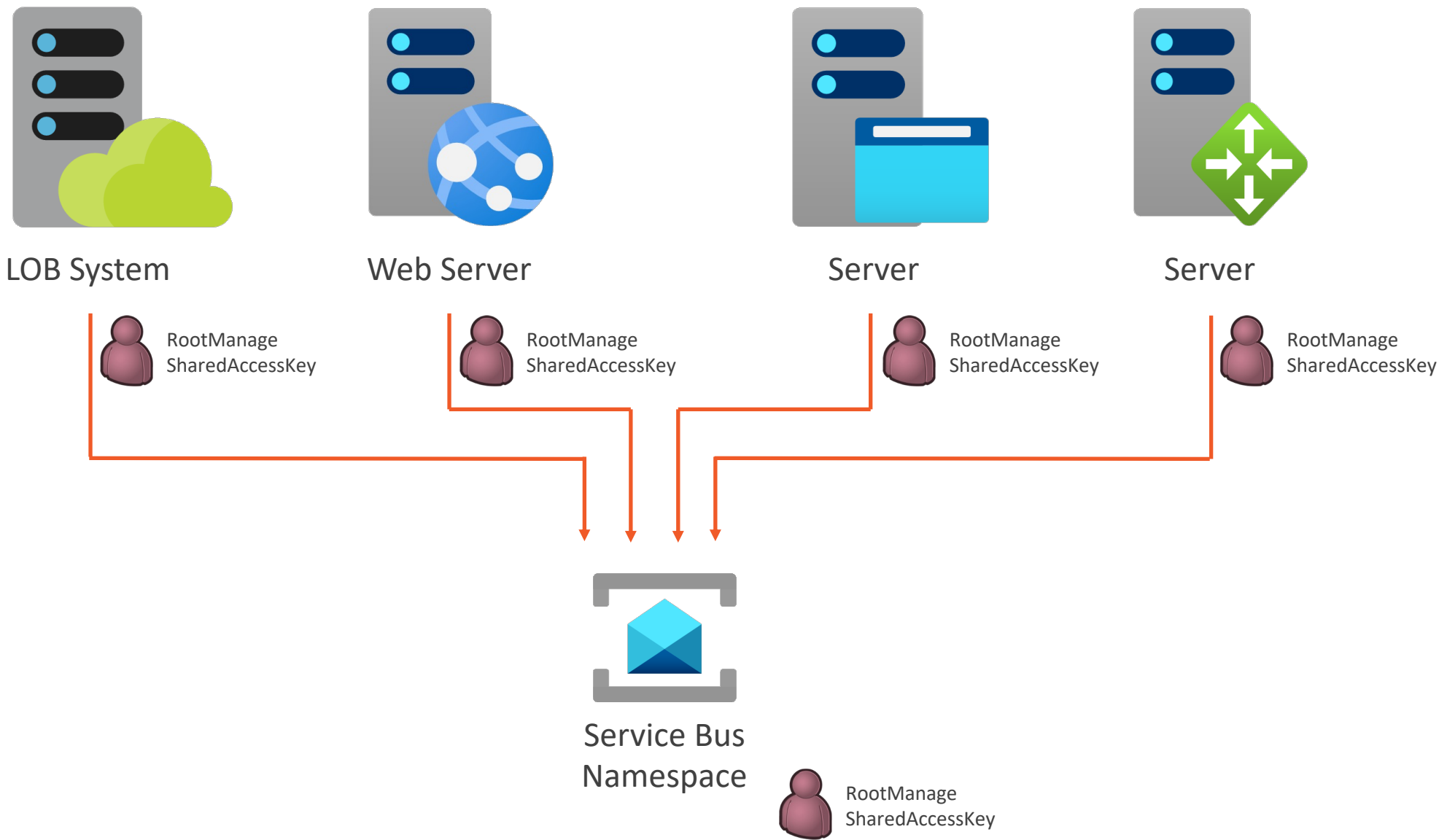
Database Security



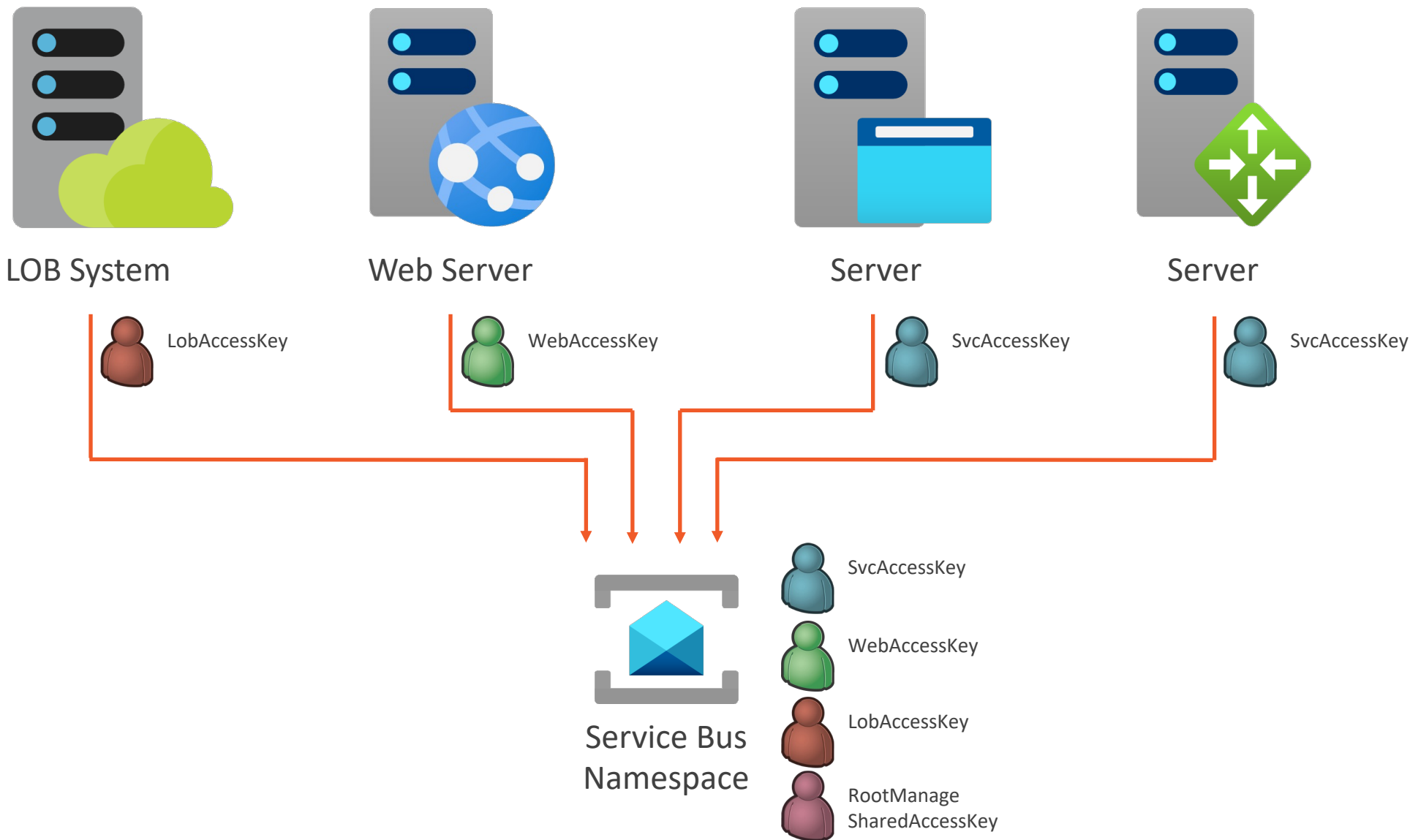
Database Security



Azure Service Bus



Azure Service Bus



Working with Shared Access Signatures

Shared Access Signatures (SAS)

- Provides delegated and granular access to resources

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- Credentials to authenticate with Service Bus namespaces and entities
 - Policy name
 - Primary key
 - Secondary key

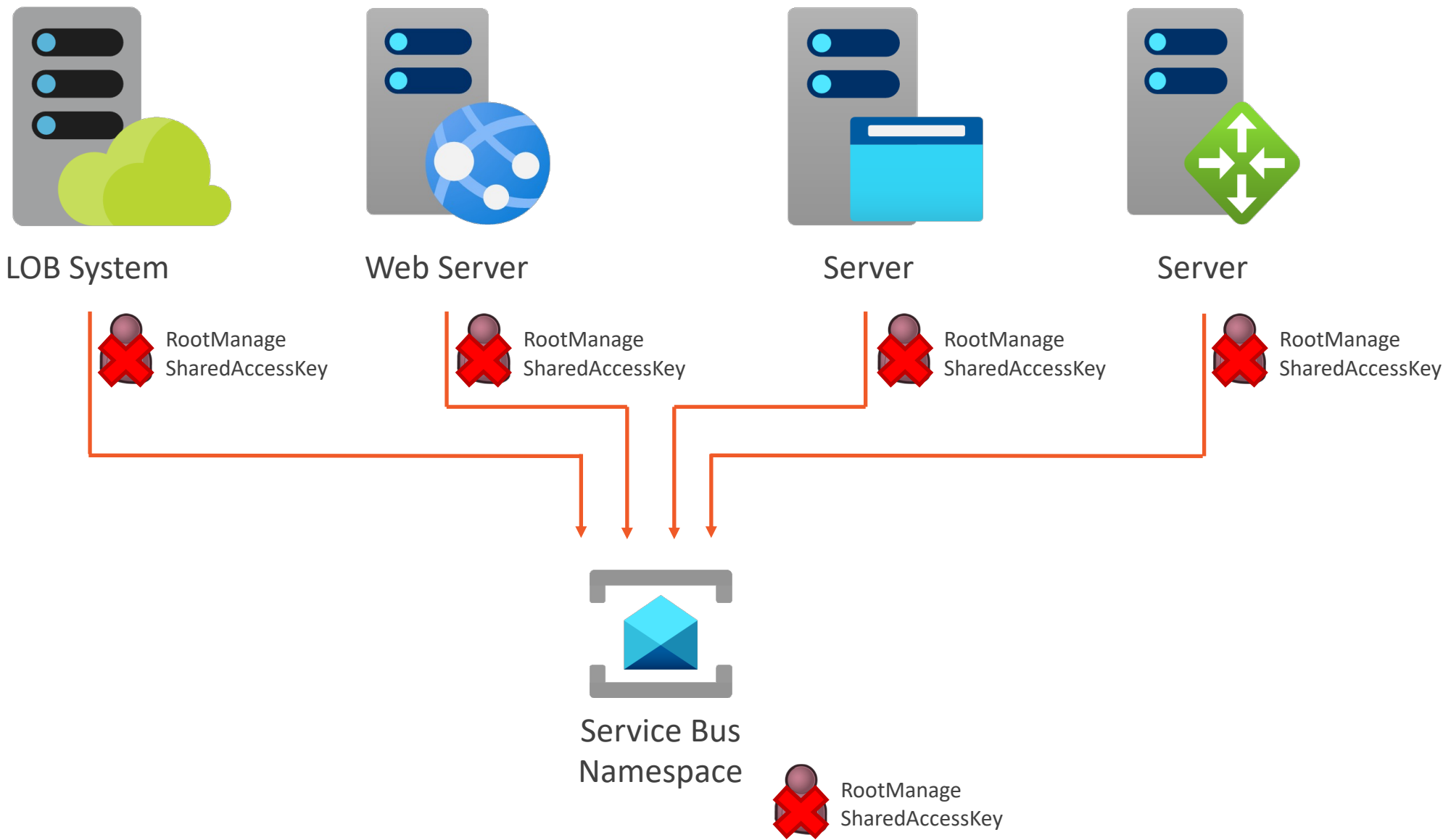
Shared Access Signatures (SAS)

- Provides delegated and granular access to resources
- Credentials to authenticate with Service Bus namespaces and entities
 - Policy name
 - Primary key
 - Secondary key
- Credentials can be assigned to namespaces, queues, topics and subscriptions

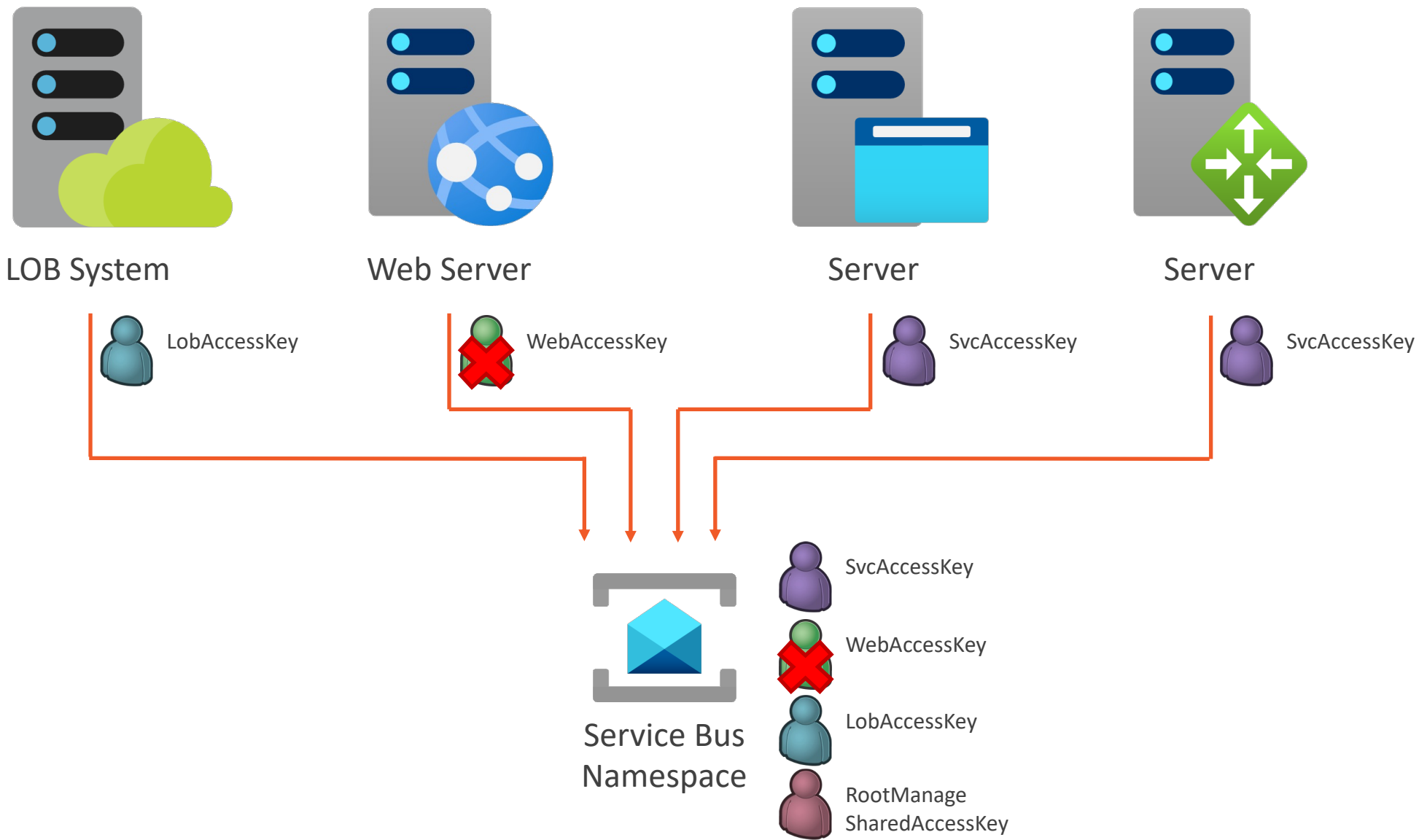
Service Bus Claims

Claim	Brokered Messaging
Manage	Manage artifacts
Send	Send messages to queues and topics
Listen	Receive messages from queues and subscriptions

Azure Service Bus



Azure Service Bus



Shared Access Signatures (SAS)

All services > Service Bus > alansbdemos - Shared access policies

alansbdemos - Shared access policies

Service Bus Namespace

Search (Ctrl+/)

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

Settings

- Shared access policies**
- Geo-Recovery
- Migrate to premium
- Properties
- Locks
- Export template

Entities

- Queues
- Topics

+ Add

Search to filter items...

policy	Claims
RootManageSharedAccessKey	Manage, Send, Listen
TestAppKey	Manage, Send, Listen

SAS Policy: TestAppKey

Save Discard More

- ☒ Manage
- ☒ Send
- ☒ Listen

Primary Key

lyRgYa1eqFV7N0d22wJDjvqqVemH8q...

Secondary Key

ImKB8C3GSLhOtnuvslpXk8pwUz4W...

Primary Connection String

Endpoint=sb://alansbdemos.servicebu...

Secondary Connection String

Endpoint=sb://alansbdemos.servicebu...

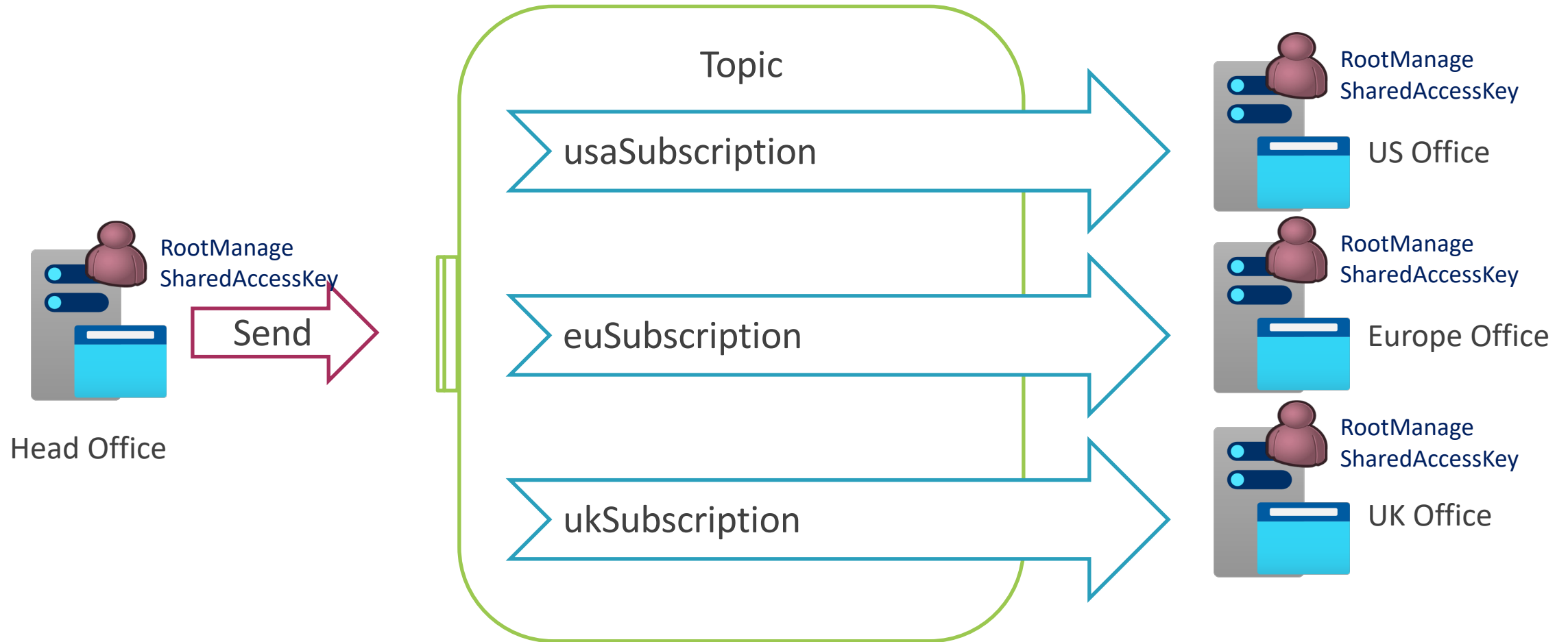
Demo



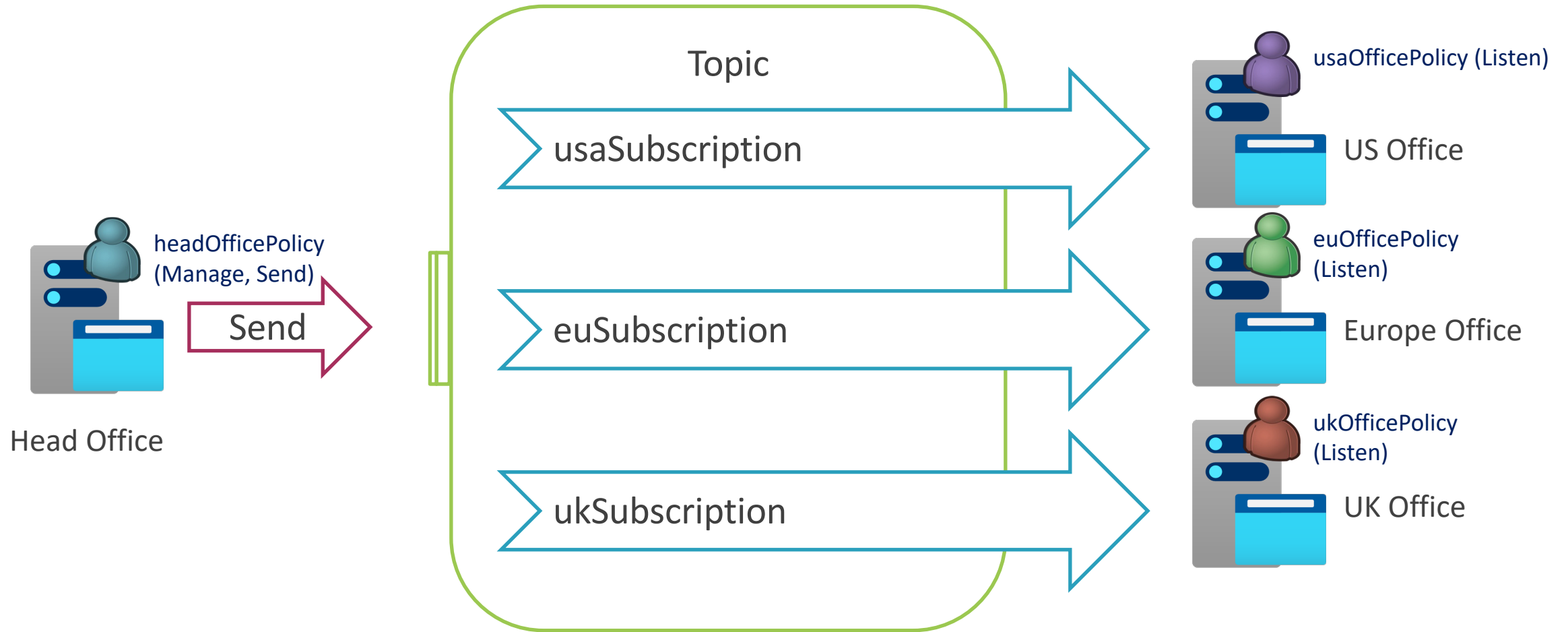
Demo: Securing Service Bus Artifacts using Shared Access Signatures

- Using RootManageSharedAccessKey
- Regenerating keys
- Creating shared access signatures
- Using shared access signatures

Demo Scenario



Demo Scenario



Summary



Shared Access Signatures (SAS) are used for authentication in the service bus

The RootManageSharedAccessKey SAS is created with the service bus namespace

Has Manage, Send and Listen credentials on the service bus namespace

Controlling granular access on the service bus is similar to a database server

Create identities

Grant access

Issue credentials to applications

Using RootManageSharedAccessKey should be avoided in production applications