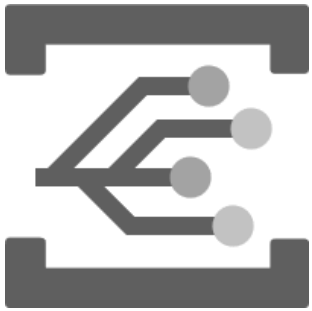


Deep Dive with Azure Service Bus

@danielmarbach

Events



Event Grid

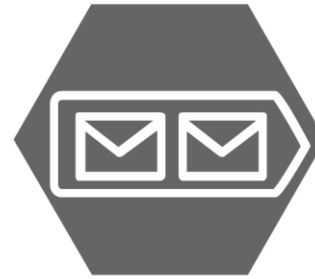
Cross cloud reactive
eventing



Event Hubs

Big data streaming

Messages



Storage Queues

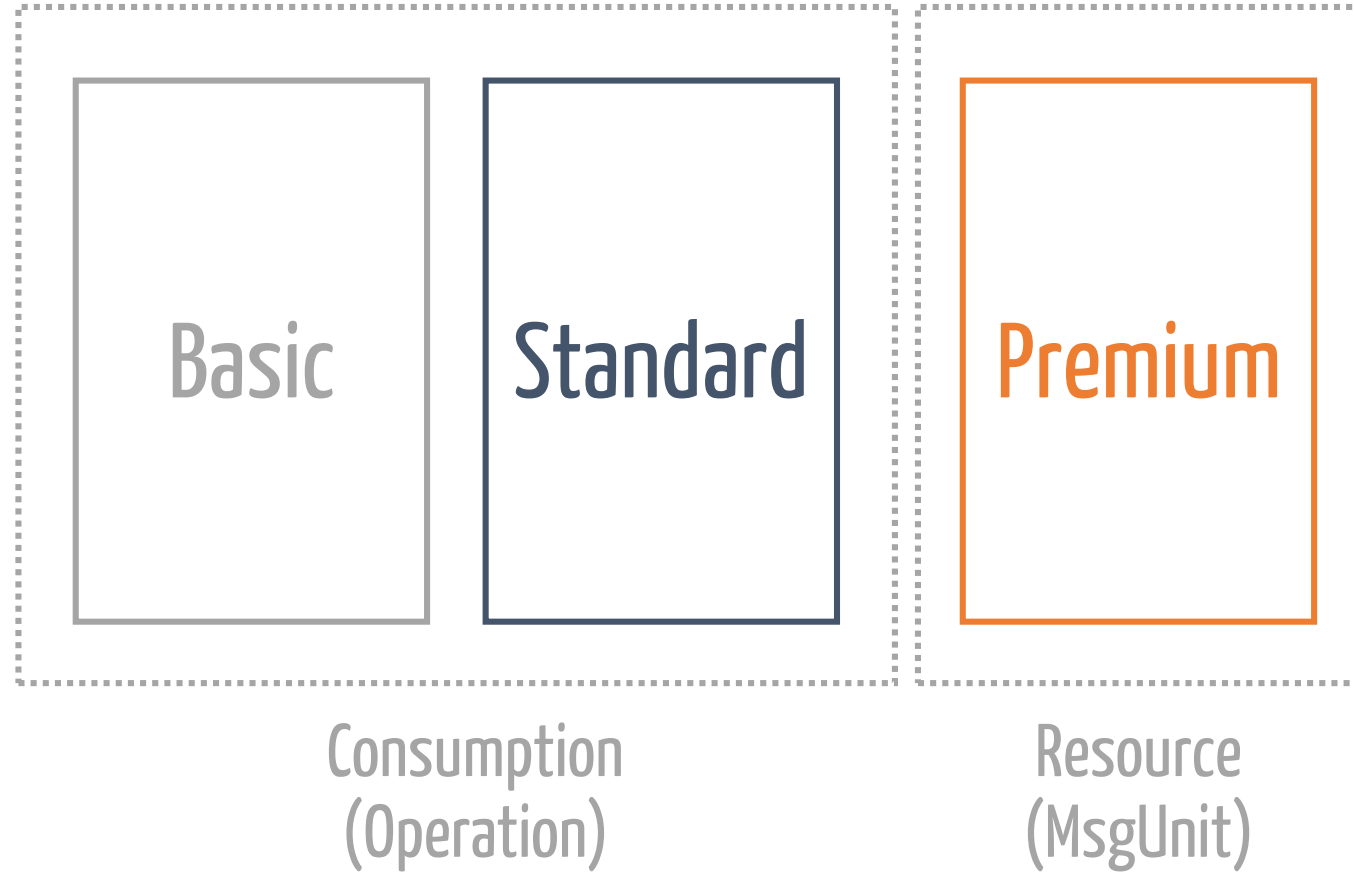
Simple task queues



Service Bus

Enterprise messaging

Tiers







2,905 packages returned for azure servicebus

☒ **Include prerelease**

WindowsAzure.ServiceBus by: [microsoft nugetservicebus](#)

Microsoft Azure Service Bus

↓ 12,158,973 total downloads | ⌚ last updated 2 months ago | 📦 Latest version: 5.0.0 | 🔗 [ServiceBus Microsoft Azure AppFabric Messaging PubSub P...](#)

Use this for Microsoft Azure Service Bus Queues, Topics, EventHub and Relay backend operations. It adds Microsoft.ServiceBus.dll along with related configuration files to your project. This library allows AMQP 1.0 to be used as one of the protocols for communication with Microsoft Azure... [More information](#)



WindowsAzure.Storage by: [azure-sdk microsoft](#)

Windows Azure Storage

↓ 27,305,814 total downloads | ⌚ last updated 16 days ago | 📦 Latest version: 9.3.1 | 🔗 [Microsoft Azure Storage Table Blob File Queue Scalable wind...](#)

This client library enables working with the Microsoft Azure storage services which include the blob and file service for storing binary and text data, the table service for storing structured non-relational data, and the queue service for storing messages that may be accessed by a client. For... [More information](#)



Microsoft.Azure.Jobs.ServiceBus by: [aspnet microsoft](#)

↓ 6,118 total downloads | ⌚ last updated 2014-08-21 | 📦 Latest version: 0.3.2-beta | 🔗 [Microsoft Azure WebJobs Jobs ServiceBus](#)

Legacy package, Microsoft.Azure.Jobs.ServiceBus is now included in the 'Microsoft.Azure.WebJobs.ServiceBus' package.



Microsoft.Azure.ServiceBus by: [microsoft azure-sdk nugetservicebus](#)

↓ 899,624 total downloads | ⌚ last updated 14 days ago | 📦 Latest version: 3.1.0 | 🔗 [Azure Service Bus ServiceBus .NET AMQP IoT Queue Topic](#)

This is the next generation Azure Service Bus .NET Standard client library that focuses on queues & topics. For more information about Service Bus, see <https://azure.microsoft.com/en-us/services/service-bus/>

1

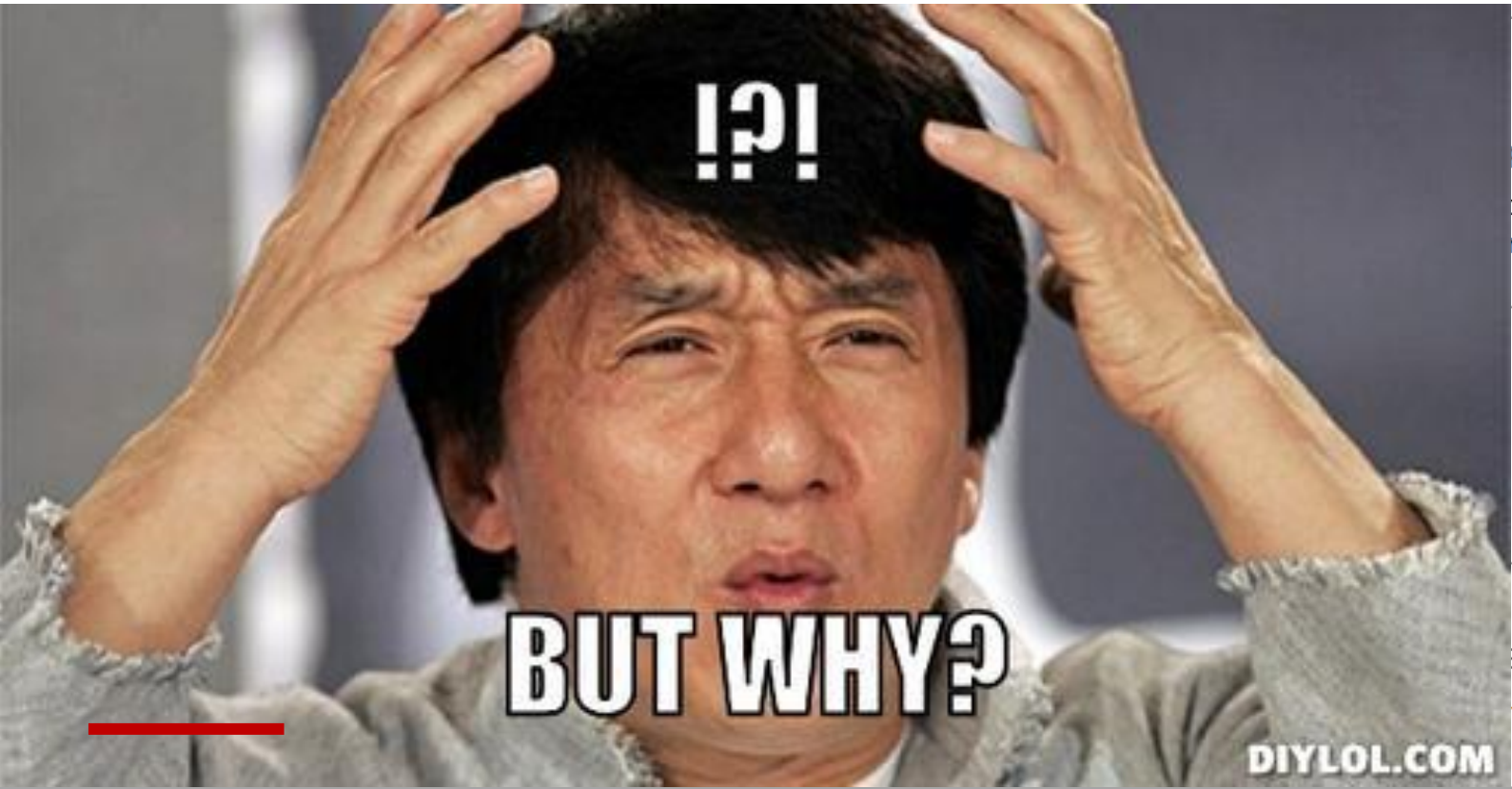


Windows
Micros
↓ 12,15
Use thi
configu
inform

2



Micro
↓ 8
This
http



toFabric Messaging PubSub P...
dll along with related
rosoft Azure... [More](#)

ET AMQP IoT Queue Topic
tion about Service Bus, see

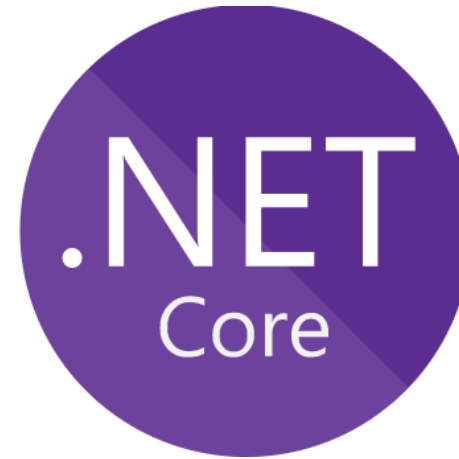
Microsoft ❤️ OpenSource

Microsoft.Azure.ServiceBus

.Net Standard



WindowsAzure.ServiceBus



azure servicebus



3,600 packages returned for azure servicebus

☒ Include prereleaseMicrosoft.Azure.Jobs.ServiceBus  by: [aspnet](#) [Microsoft](#)

↓ 8,600 total downloads | ⌚ last updated 8/21/2014 | 📦 Latest version: 0.3.2-beta | 🔗 Microsoft Azure WebJobs Jobs ServiceBus

Legacy package, Microsoft.Azure.Jobs.ServiceBus is now included in the 'Microsoft.Azure.WebJobs.ServiceBus' package.

Microsoft.Azure.ServiceBus  by: [azure-sdk](#) [nugetservicebus](#) [Microsoft](#)

↓ 4,314,906 total downloads | ⌚ last updated 2 months ago | 📦 Latest version: 3.4.0 | 🔗 Azure Service Bus ServiceBus .NET AMQP IoT Queue Topic

This is the next generation Azure Service Bus .NET Standard client library that focuses on queues & topics. For more information about Service Bus, see <https://azure.microsoft.com/en-us/services/service-bus/>

Microsoft.Azure.Management.ServiceBus  by: [azure-sdk](#) [Microsoft](#)

↓ 596,196 total downloads | ⌚ last updated 2 months ago | 📦 Latest version: 2.1.0 | 🔗 Microsoft Azure ServiceBus Management management SHA25...

Provides developers with libraries to create and manage Namespaces and manage Authorization Rules. Note: This client library is for ServiceBus under Azure Resource Manager.



github.com/azure/azure-sdk-for-net

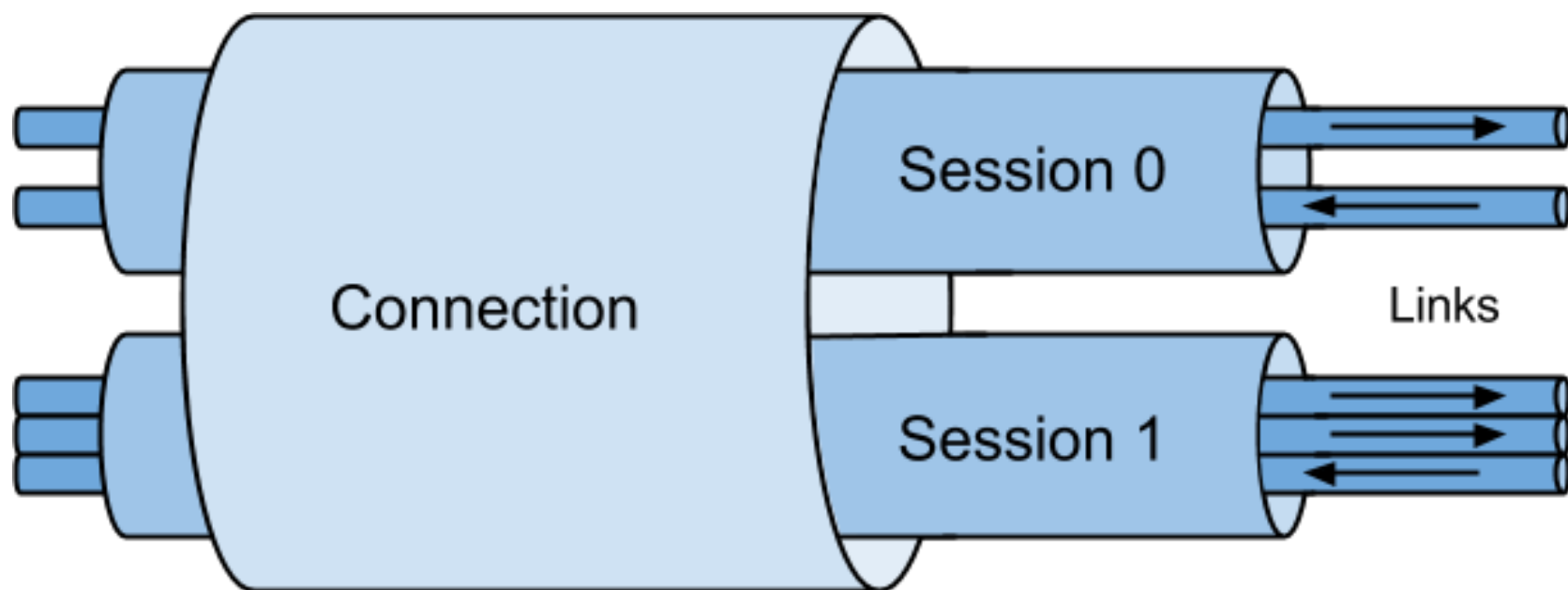
AMQP 1.0

Send

Receive

MessageSender
MessageReceiver

QueueClient
TopicClient
SubscriptionClient



Connections

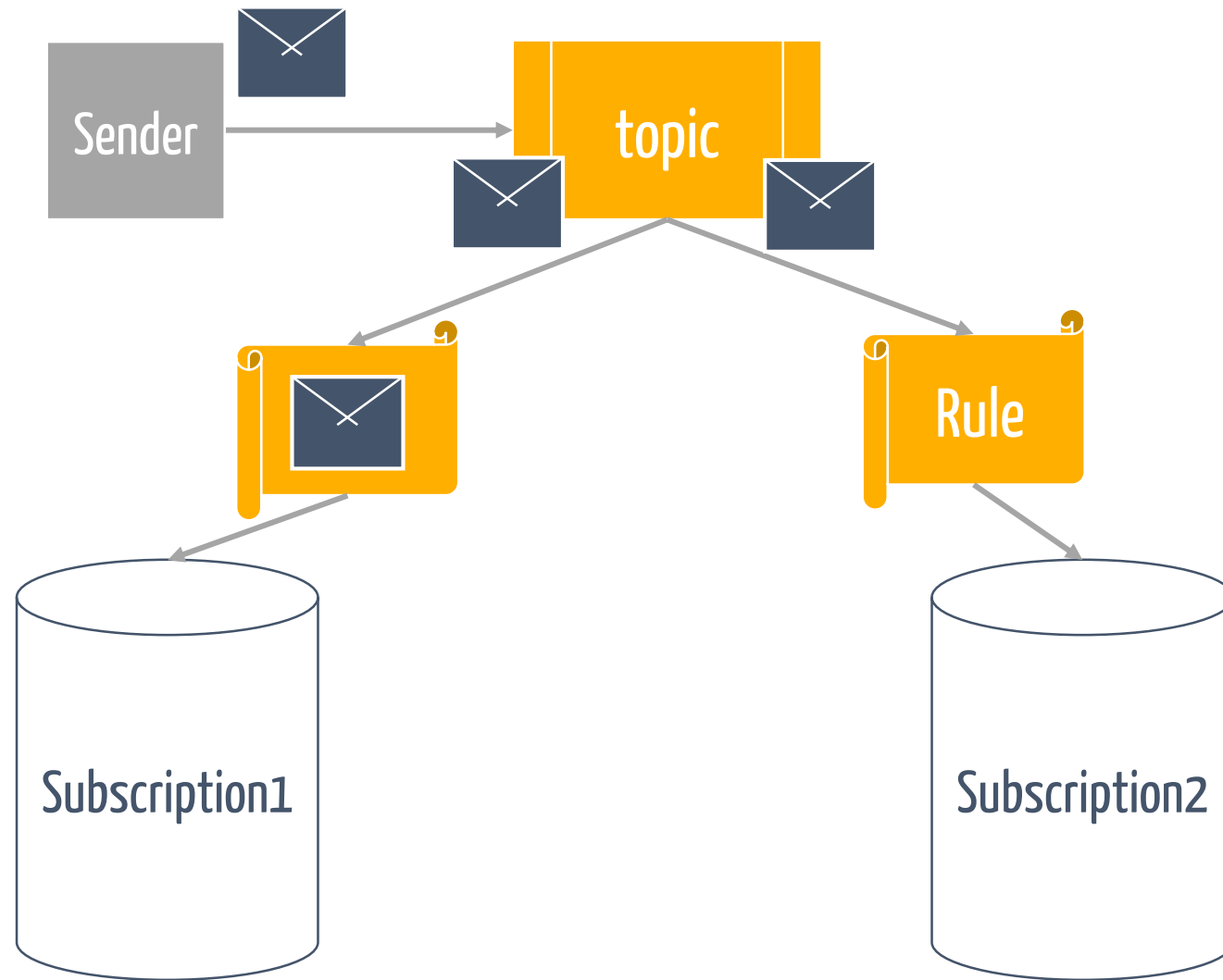
Scheduling

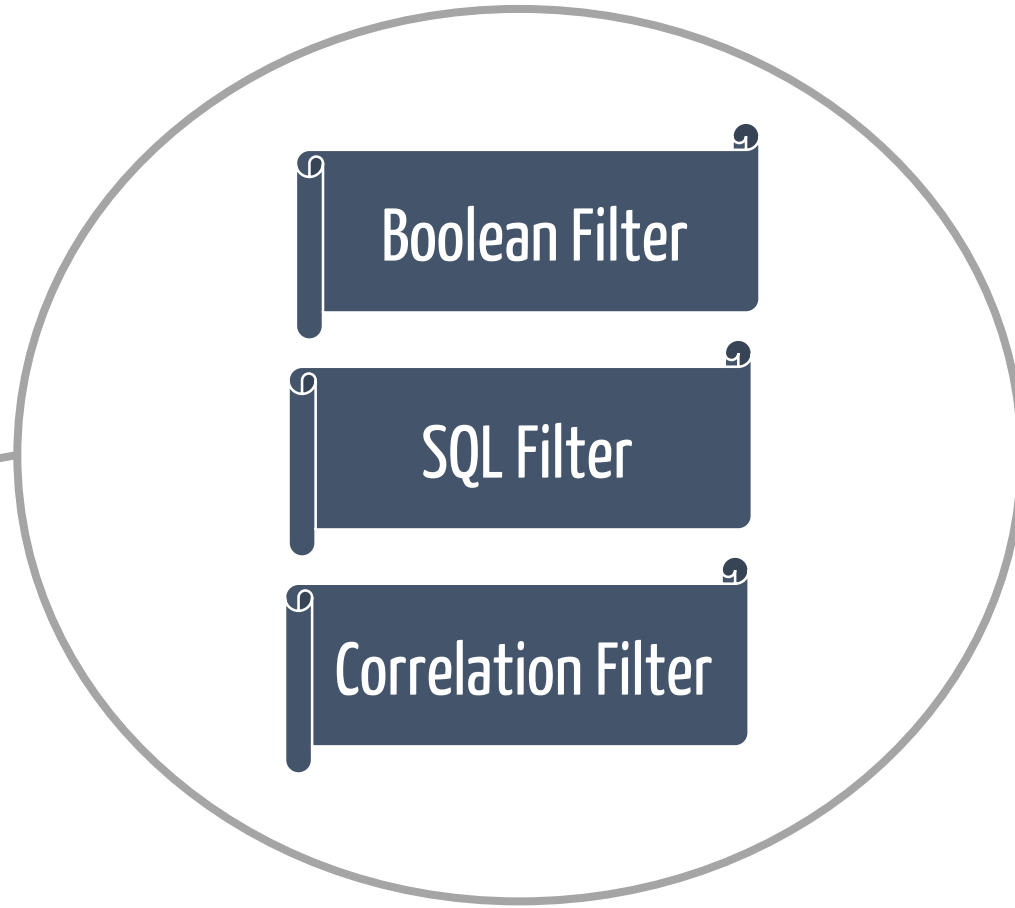
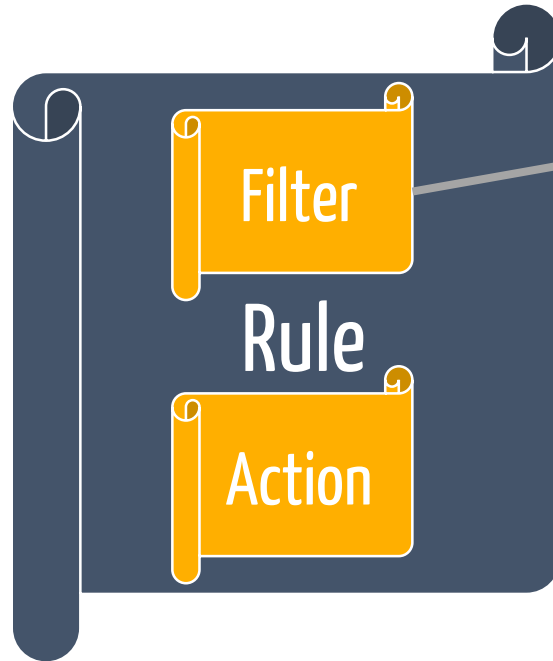
Expiry

Deadlettering

Forwarding

Pub/Sub

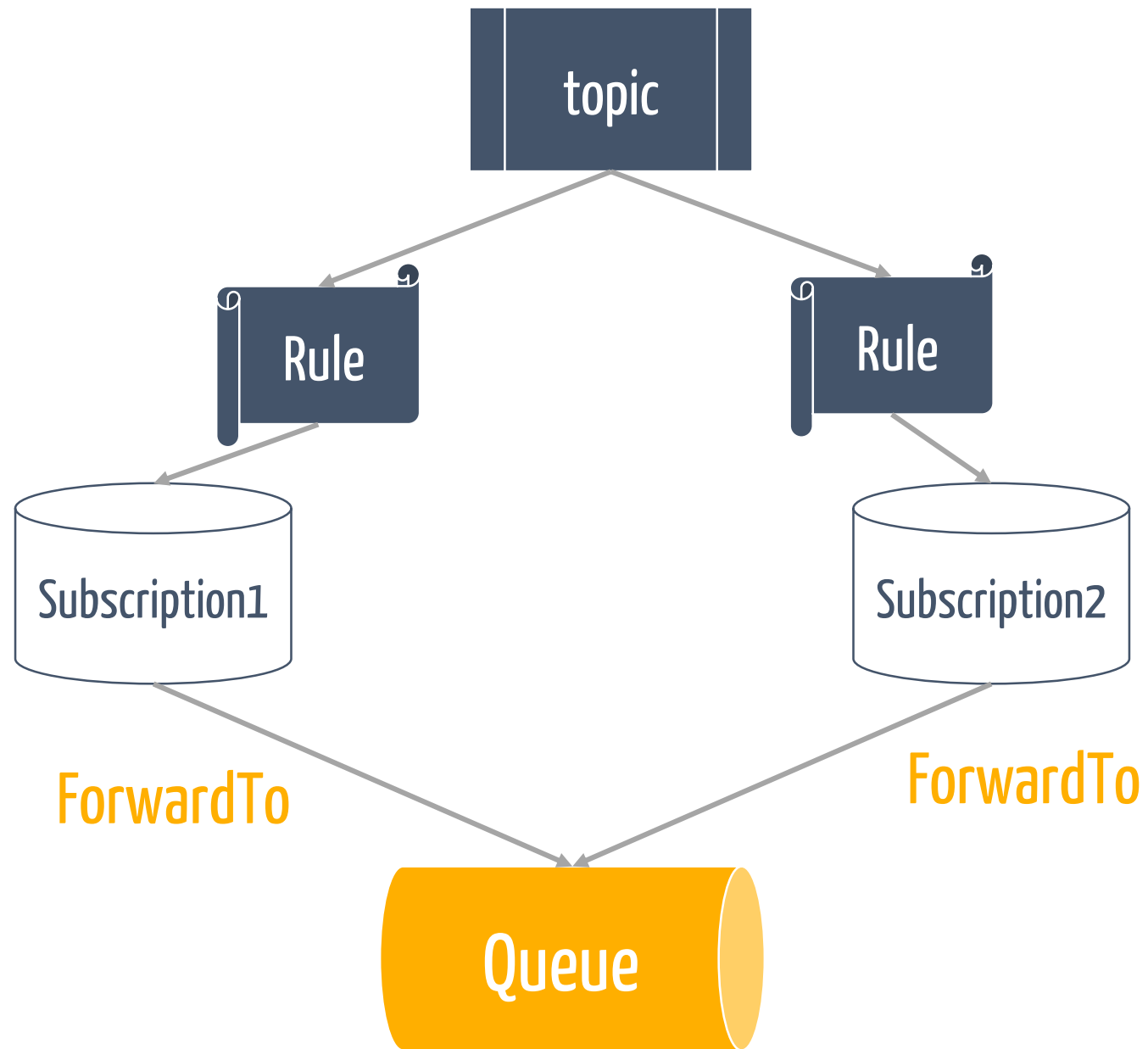




Favor **Correlation filter** over SQL filter

Subscriptions are **virtual queues** and
subscribers need to **receive** from them

Topologies



Atomic Sends

Batching

Upgrade to premium tier

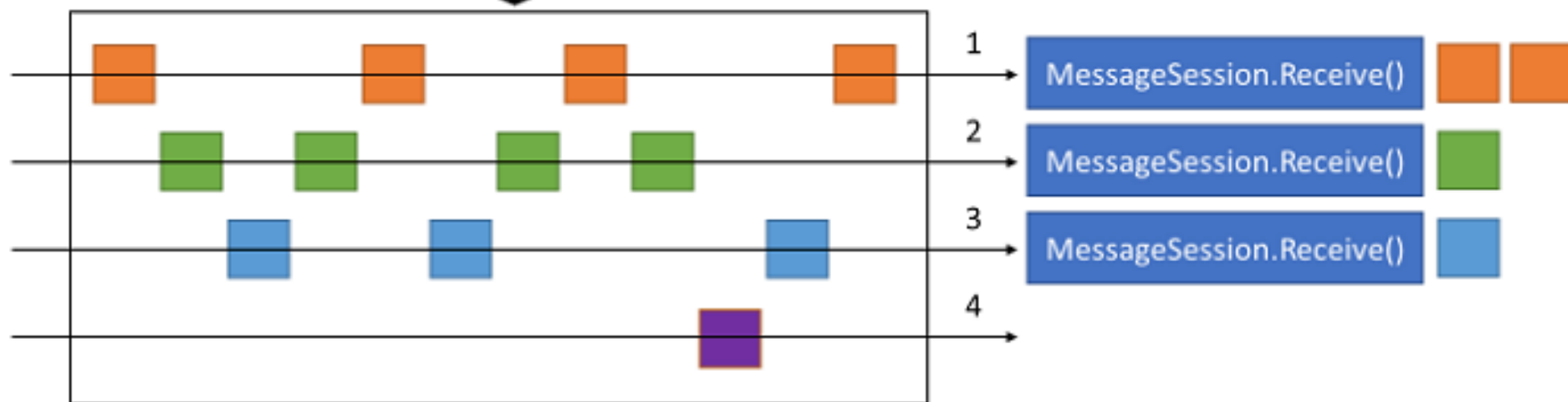
Use `ServiceBus.AttachmentPlugin`

Send Via



TransferDLQ

Sessions



Dedup

Plugins

Thanks

Slides, Links...

github.com/danielmarbach/AzureServiceBus.DeepDive

Q & A



Software Engineer
Microsoft MVP

@danielmarbach
particular.net/blog
planetgeek.ch

Thanks