

# Working with Other Triggers and Azure Services

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**Jason Roberts**

.NET MVP

@robertsjason    dontcodetired.com



# Overview



**Add a new function triggered by Azure Service Bus messages**

**Add a new function triggered from Azure Event Hub messages**

**Send test messages to Azure Service Bus and Azure Event Hub**

**Publish new functions to Azure**

**Add Azure application settings**

- Default Service Bus connection
- Named Event Hub connection setting

**Creating an Azure Function that executes on a schedule**

- Understanding CRON expressions



# Additional Service Bus Attributes

```
[ServiceBus("a-queue-name")]
```

```
[ServiceBus("a-topic-name")]
```

```
[ServiceBus("a-queue-name", AccessRights.Send)]
```

```
[ServiceBus("a-topic-name", Connection = "...")]
```

```
[ServiceBus("a-queue-name")] out string message
```

```
[ServiceBus("a-queue-name")] out BrokeredMessage message,
```

```
[ServiceBus("a-queue-name")] out byte[] message
```



# Additional Event Hub Attributes

```
[EventHub("event-hub-name")]
```

```
[EventHub("event-hub-name", Connection = "...")]
```

```
[EventHub("loans")] out string message
```

```
[EventHub("loans")] ICollector<string> messages
```

```
[EventHub("loans")] IAsyncCollector<string> messages
```



# Understanding CRON Expressions

,

value separator

/

step values

\*

any value

-

range of values

---

second

minute

hour

day

month

week day



# Understanding CRON Expressions

,

value separator

/

step values

\*

any value

-

range of values

second	minute	hour	day	month	week day
0	30	18	*	*	*



# Understanding CRON Expressions

,

value separator

/

step values

\*

any value

-

range of values

second	minute	hour	day	month	week day
0	30	18	*	*	*
10	15	12	9	2	*



# Understanding CRON Expressions

,

value separator

/

step values

\*

any value

-

range of values

second	minute	hour	day	month	week day
0	30	18	*	*	*
10	15	12	9	2	*
0	*/5	*	*	*	*





# Understanding CRON Expressions

,

value separator

/

step values

\*

any value

-

range of values

second	minute	hour	day	month	week day
0	30	18	*	*	*
10	15	12	9	2	*
0	*/5	*	*	*	*
0	*/15	*	*	*	1,3



# Understanding CRON Expressions

,

value separator

/

step values

\*

any value

-

range of values

second	minute	hour	day	month	week day
0	30	18	*	*	*
10	15	12	9	2	*
0	*/5	*	*	*	*
0	*/15	*	*	*	1,3
0	*/30	*	*	*	1-5



# Summary



[ServiceBusTrigger]

[EventHubTrigger]

Sent test messages to Azure Service Bus  
and Azure Event Hub

Published new functions to Azure

Added Azure application settings

- "AzureWebJobsServiceBus"
- [EventHubTrigger(... , Connection = "...")]
- "LoanApplicationsEventHub"

[TimerTrigger("\*/10 \* \* \* \* \*")]



Next:

# Writing and Running Azure Function Unit Tests in Visual Studio

