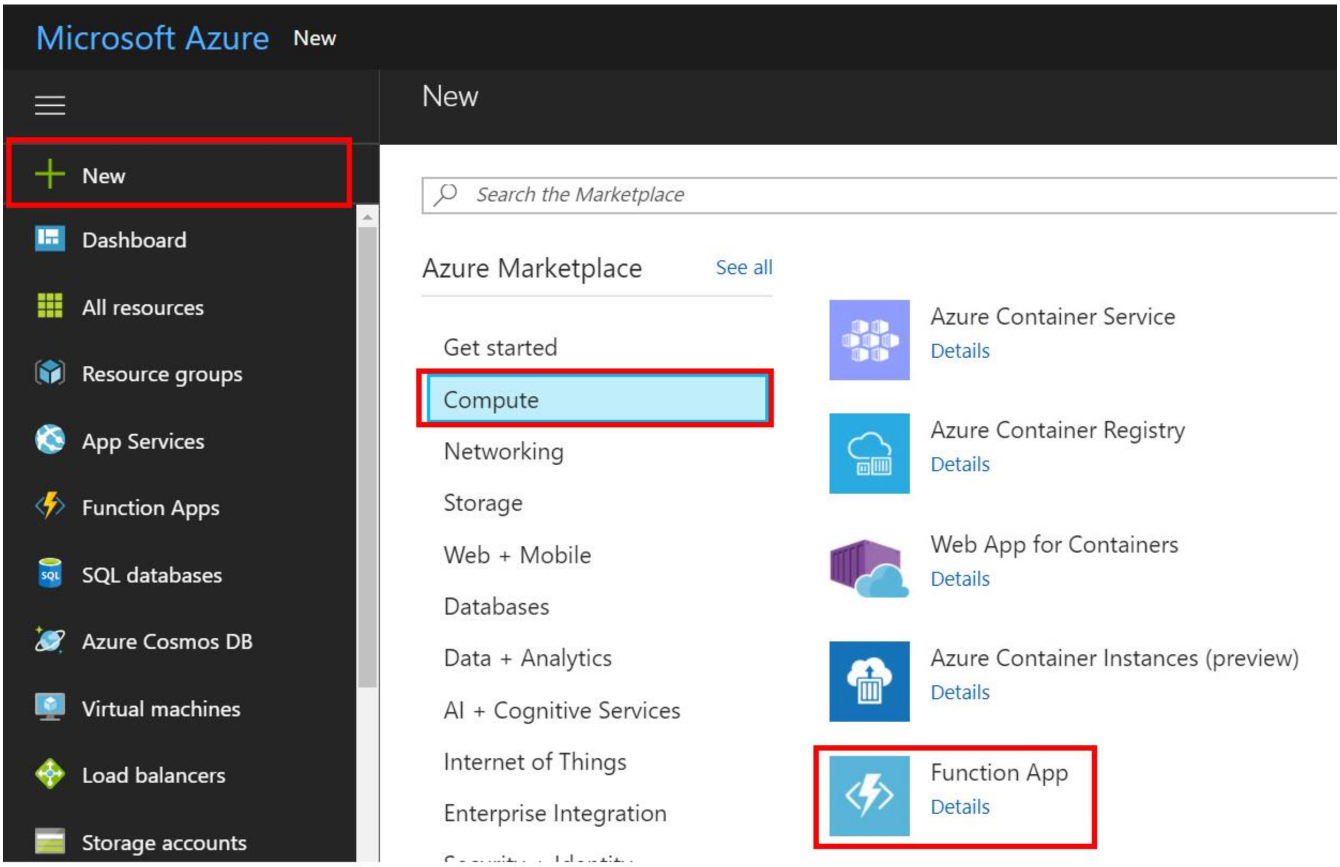
Azure Function App – TimerTrigger

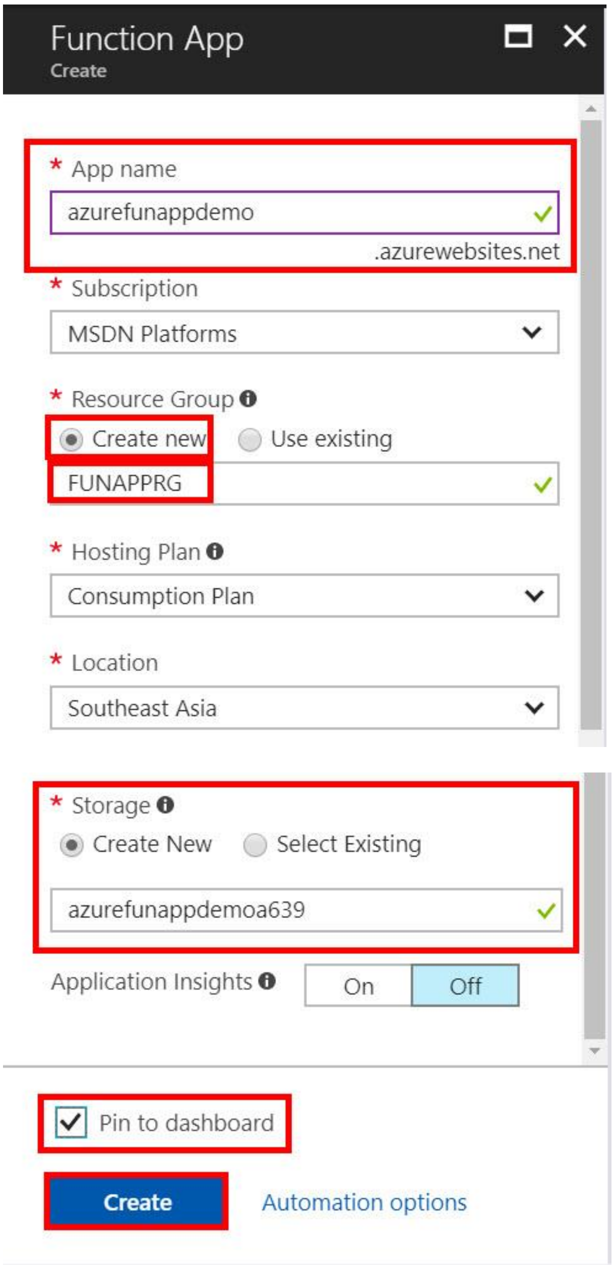
Step 1: Open Microsoft Azure Portal & Login with Azure subscription credentials

https://portal.azure.com

Step 2: Click on **+New -> Compute -> Function App**



Step 3: Enter Function App Details



Function App
Create

* App name
azurefunappdemo ✓
.azurewebsites.net

* Subscription
MSDN Platforms

* Resource Group
● Create new ○ Use existing
FUNAPPRG ✓

* Hosting Plan
Consumption Plan

* Location
Southeast Asia

* Storage
● Create New ○ Select Existing
azurefunappdemoa639 ✓

Application Insights On [✓ Off]

☑ Pin to dashboard

App Name: azurefunappdemo

Subscription: Choose any of the Subscription

Resource Group: Create New resource.

Ex. FUNAPPRG

Hosting Plan: Consumption Plan

Location: Choose nearest location

Storage: Create New Storage Account

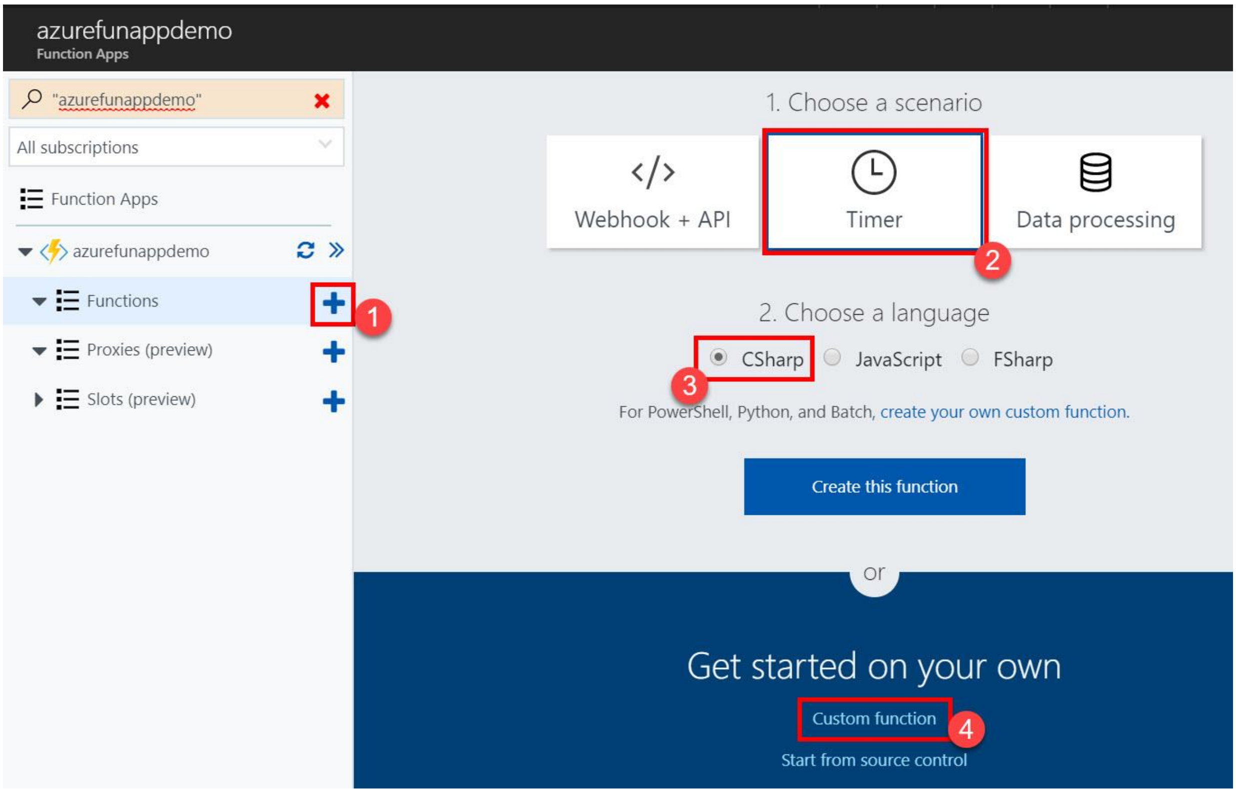
Step 4: Wait for couple of seconds to create function app

Click on **Add new function** button

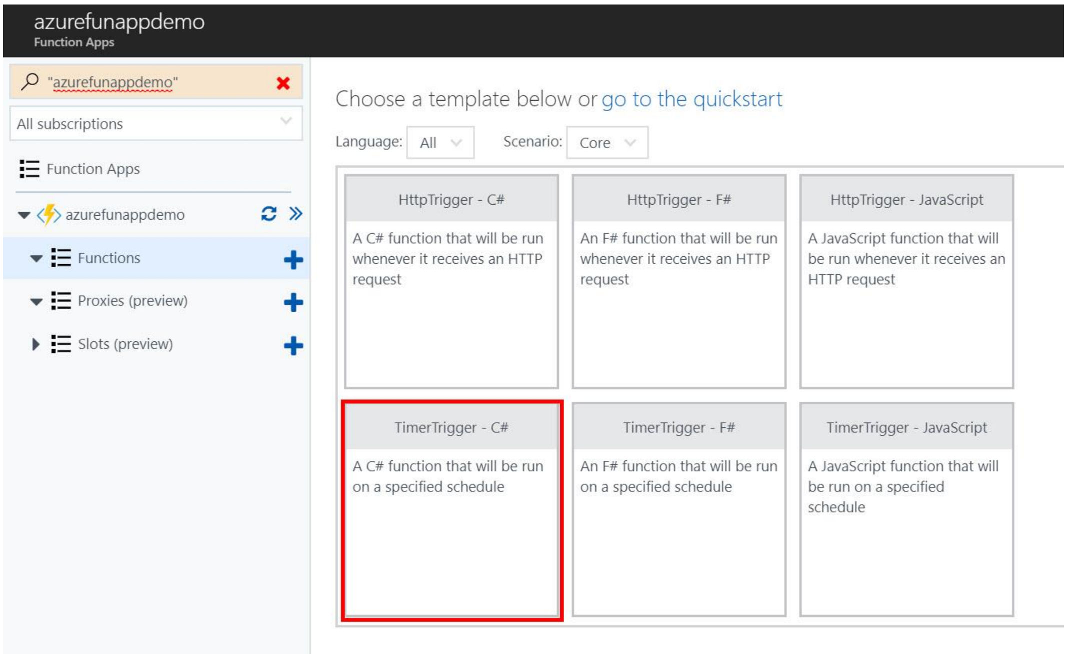
Choose a Scenario: Timer

Choose a language: CSharp

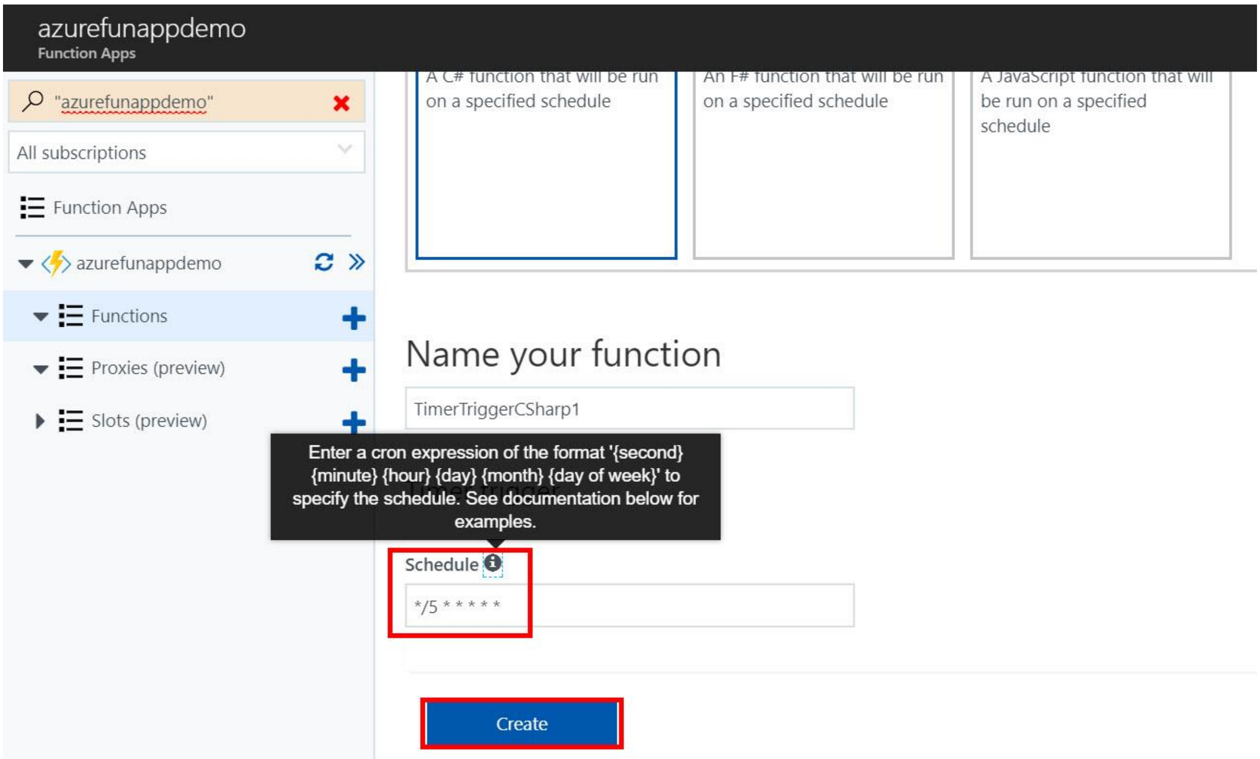
Select **Custom function** option



Select **TimerTrigger – C#** Template


azurefunappdemo
Function Apps
"azurefunappdemo"
All subscriptions
Function Apps
azurefunappdemo
Functions
Proxies (preview)
Slots (preview)
Choose a template below or go to the quickstart
Language: All
Scenario: Core
HttpTrigger - C#
A C# function that will be run whenever it receives an HTTP request
HttpTrigger - F#
An F# function that will be run whenever it receives an HTTP request
HttpTrigger - JavaScript
A JavaScript function that will be run whenever it receives an HTTP request
TimerTrigger - C#
A C# function that will be run on a specified schedule
TimerTrigger - F#
An F# function that will be run on a specified schedule
TimerTrigger - JavaScript
A JavaScript function that will be run on a specified schedule

Step 5: Also Change the Schedule option from **0 */5 * * * *** to ***/5 * * * * *** & Click on Create button



A C# function that will be run on a specified schedule

An F# function that will be run on a specified schedule

A JavaScript function that will be run on a specified schedule

Name your function

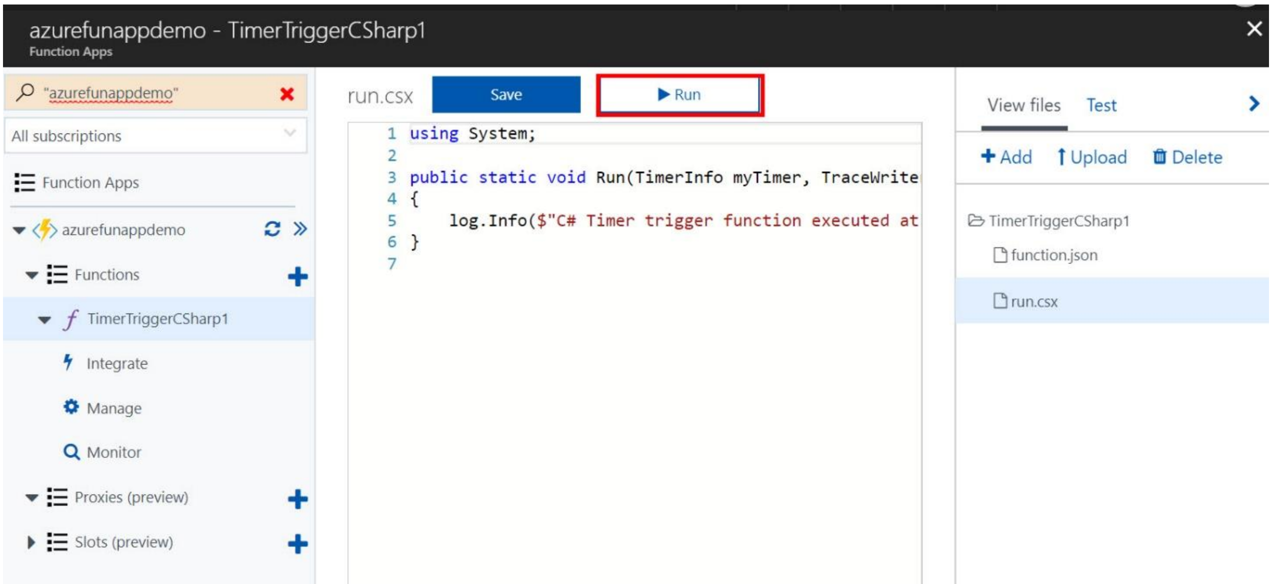
TimerTriggerCSharp1

Enter a cron expression of the format '{second} {minute} {hour} {day} {month} {day of week}' to specify the schedule. See documentation below for examples.

Schedule

*/5 * * * * *

Step 6: Now click on **Run** button

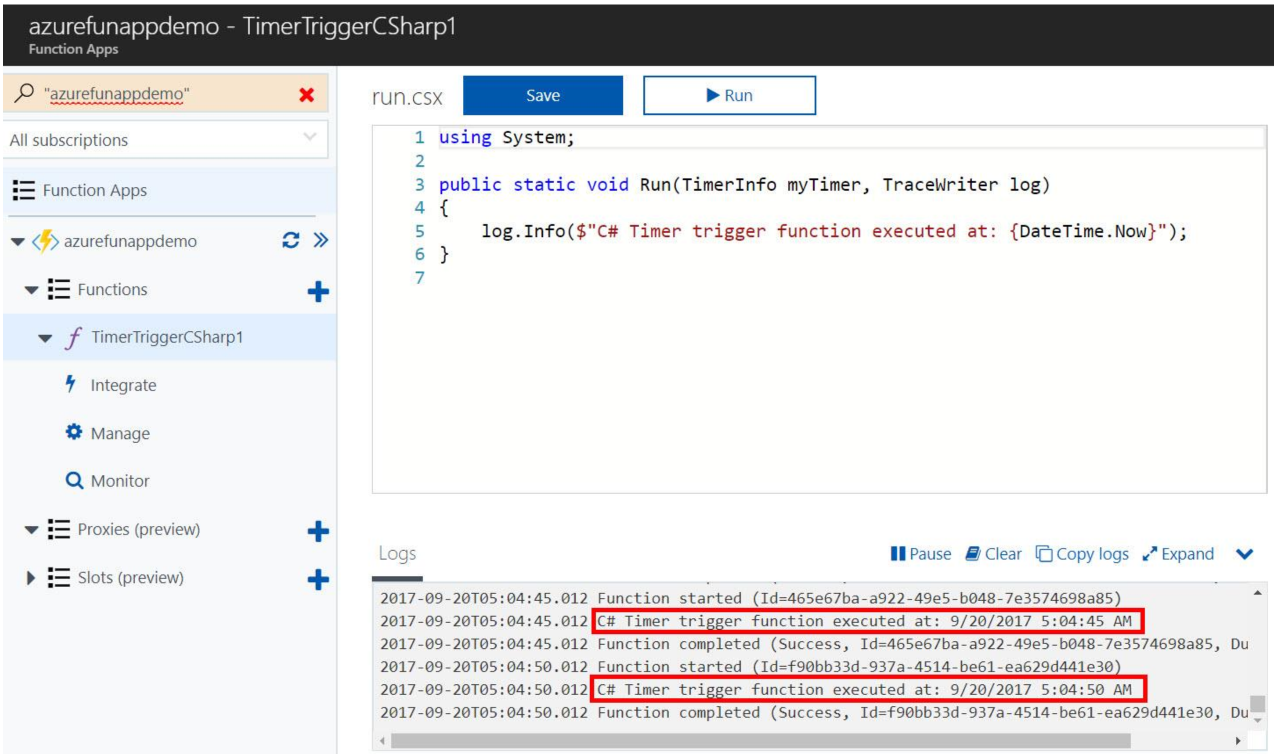


```
using System;

public static void Run(TimerInfo myTimer, TraceWrite
{
    log.Info($"C# Timer trigger function executed at
}

```

This function app will **run every 5 seconds** because in schedule we have configured that.



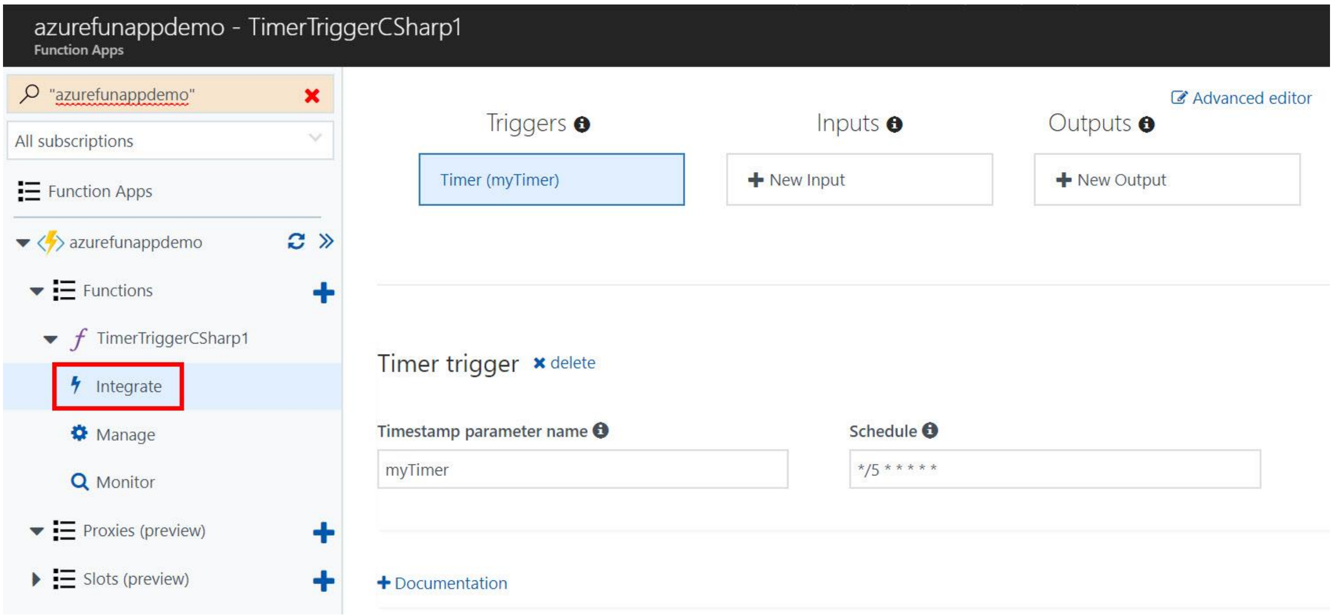
```
using System;

public static void Run(TimerInfo myTimer, TraceWriter log)
{
    log.Info($"C# Timer trigger function executed at: {DateTime.Now}");
}
```

```
2017-09-20T05:04:45.012 Function started (Id=465e67ba-a922-49e5-b048-7e3574698a85)
2017-09-20T05:04:45.012 C# Timer trigger function executed at: 9/20/2017 5:04:45 AM
2017-09-20T05:04:45.012 Function completed (Success, Id=465e67ba-a922-49e5-b048-7e3574698a85, Du
2017-09-20T05:04:50.012 Function started (Id=f90bb33d-937a-4514-be61-ea629d441e30)
2017-09-20T05:04:50.012 C# Timer trigger function executed at: 9/20/2017 5:04:50 AM
2017-09-20T05:04:50.012 Function completed (Success, Id=f90bb33d-937a-4514-be61-ea629d441e30, Du
```

Step 7: Click on **Integrate** option.

This option will provide triggers, inputs, outputs, timestamp parameter name, schedule.



Triggers: Timer (myTimer)

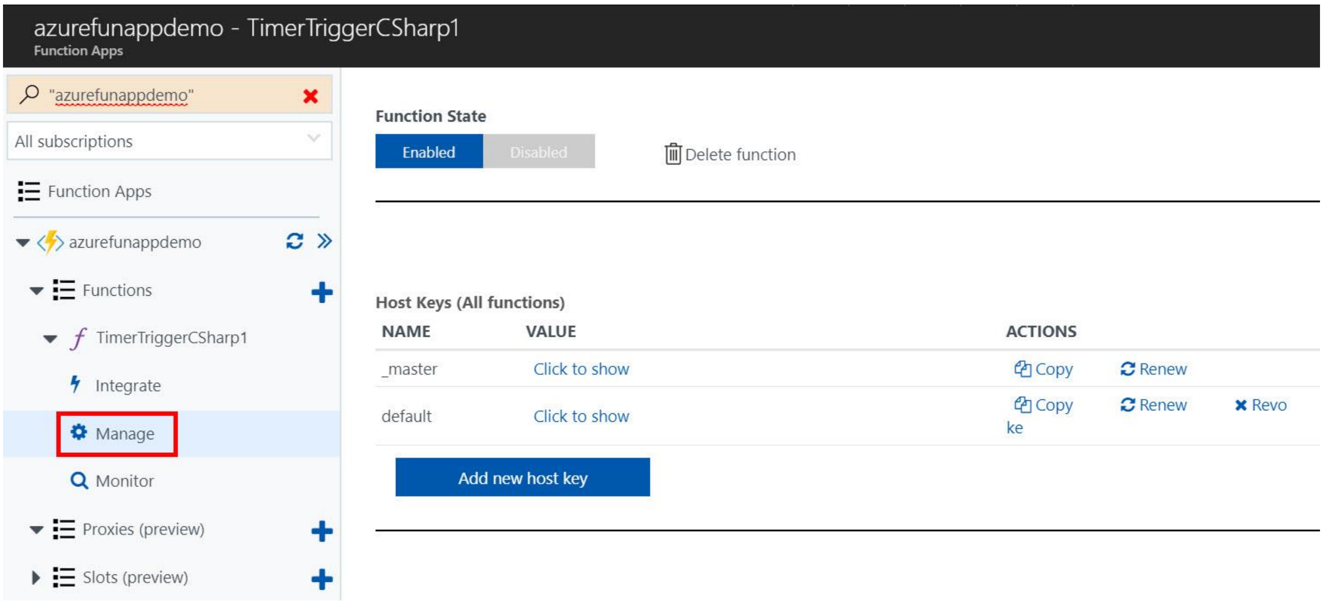
Timer trigger

Timestamp parameter name: myTimer

Schedule: */5 * * * * *

Step 8: Click on **Manage** option

This option will provide function state, Host Keys, etc



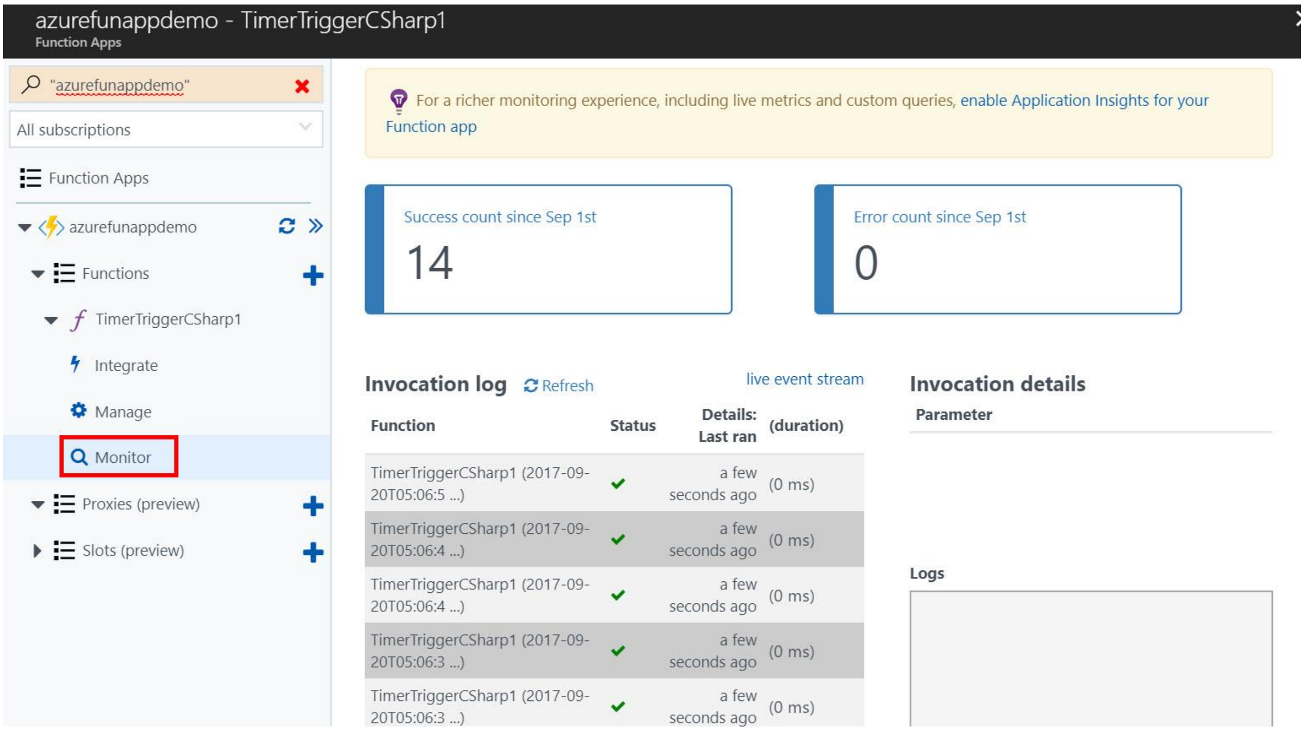
Function State: Enabled

Host Keys (All functions)

NAME	VALUE	ACTIONS		
_master	Click to show	Copy	Renew	
default	Click to show	Copy ke	Renew	Revo

Step 9: Click on **Monitor** option

This option will provide monitoring details



For a richer monitoring experience, including live metrics and custom queries, enable Application Insights for your Function app

Success count since Sep 1st
14

Error count since Sep 1st
0

Invocation log

Function	Status	Details: Last ran	(duration)
TimerTriggerCSharp1 (2017-09-20T05:06:5 ...)	✓	a few seconds ago	(0 ms)
TimerTriggerCSharp1 (2017-09-20T05:06:4 ...)	✓	a few seconds ago	(0 ms)
TimerTriggerCSharp1 (2017-09-20T05:06:4 ...)	✓	a few seconds ago	(0 ms)
TimerTriggerCSharp1 (2017-09-20T05:06:3 ...)	✓	a few seconds ago	(0 ms)
TimerTriggerCSharp1 (2017-09-20T05:06:3 ...)	✓	a few seconds ago	(0 ms)