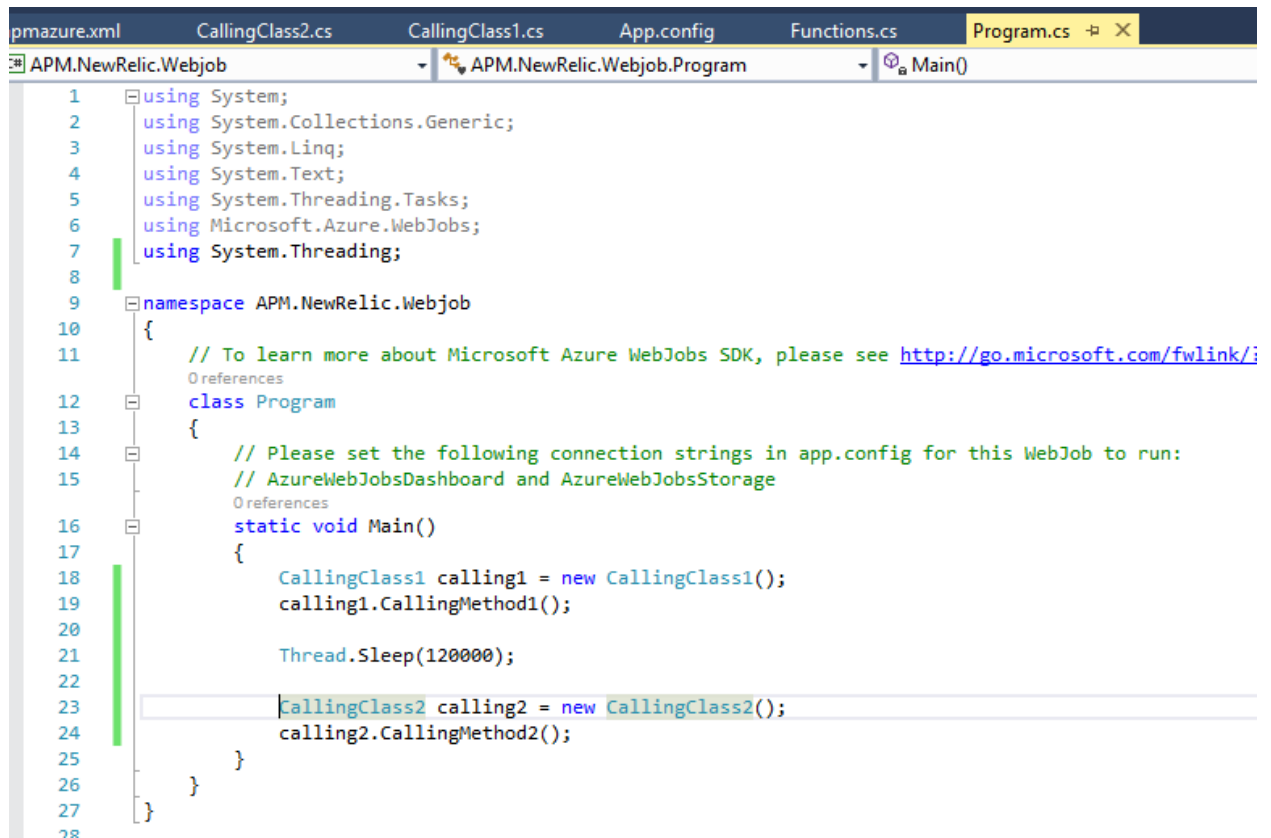
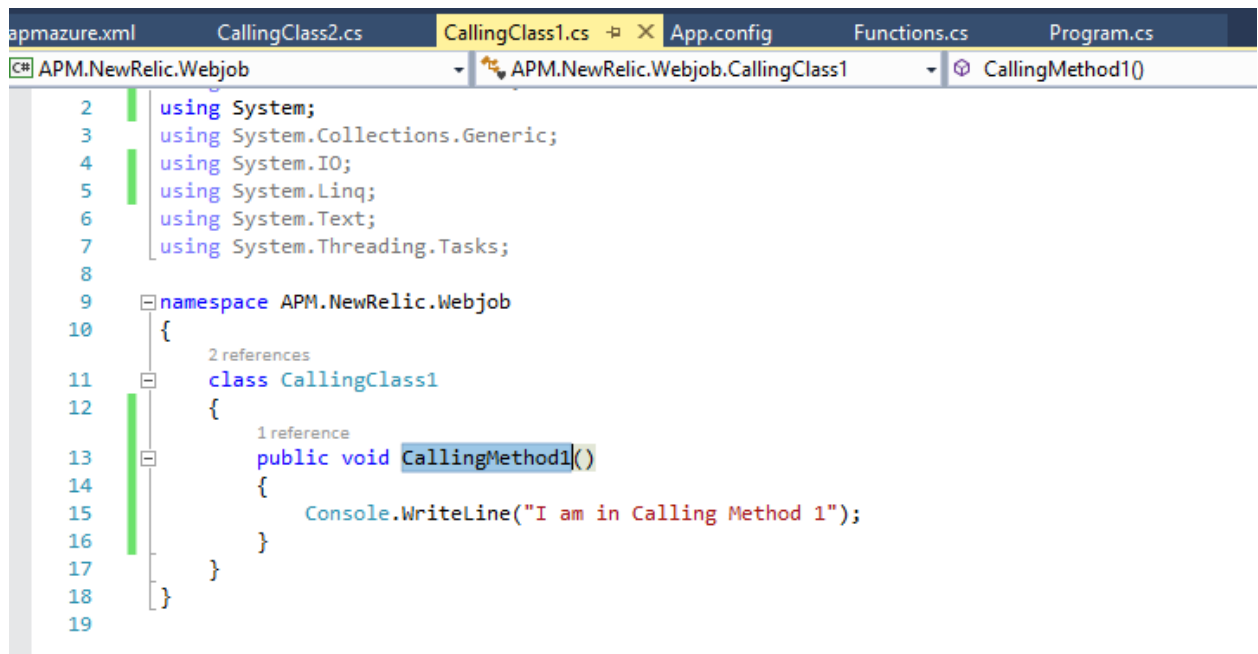


1. Azure Web Job



```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6 using Microsoft.Azure.WebJobs;
7 using System.Threading;
8
9 namespace APM.NewRelic.Webjob
10 {
11     // To learn more about Microsoft Azure WebJobs SDK, please see http://go.microsoft.com/fwlink/;
12     class Program
13     {
14         // Please set the following connection strings in app.config for this WebJob to run:
15         // AzureWebJobsDashboard and AzureWebJobsStorage
16         static void Main()
17         {
18             CallingClass1 calling1 = new CallingClass1();
19             calling1.CallingMethod1();
20
21             Thread.Sleep(120000);
22
23             CallingClass2 calling2 = new CallingClass2();
24             calling2.CallingMethod2();
25         }
26     }
27 }
```

2. Calling Function in Calling Class 1



```
2 using System;
3 using System.Collections.Generic;
4 using System.IO;
5 using System.Linq;
6 using System.Text;
7 using System.Threading.Tasks;
8
9 namespace APM.NewRelic.Webjob
10 {
11     class CallingClass1
12     {
13         public void CallingMethod1()
14         {
15             Console.WriteLine("I am in Calling Method 1");
16         }
17     }
18 }
```

3. Calling Function in Calling Class 2

```

2   using System.Collections.Generic;
3   using System.Linq;
4   using System.Text;
5   using System.Threading.Tasks;
6
7   namespace APM.NewRelic.Webjob
8   {
9       2 references
9       class CallingClass2
10      {
11          1 reference
11          public void CallingMethod2()
12          {
13              Console.WriteLine("I am in Calling Method 2");
14          }
15      }
16  }
17

```

4. Add the following in App.config as marked in Red

```

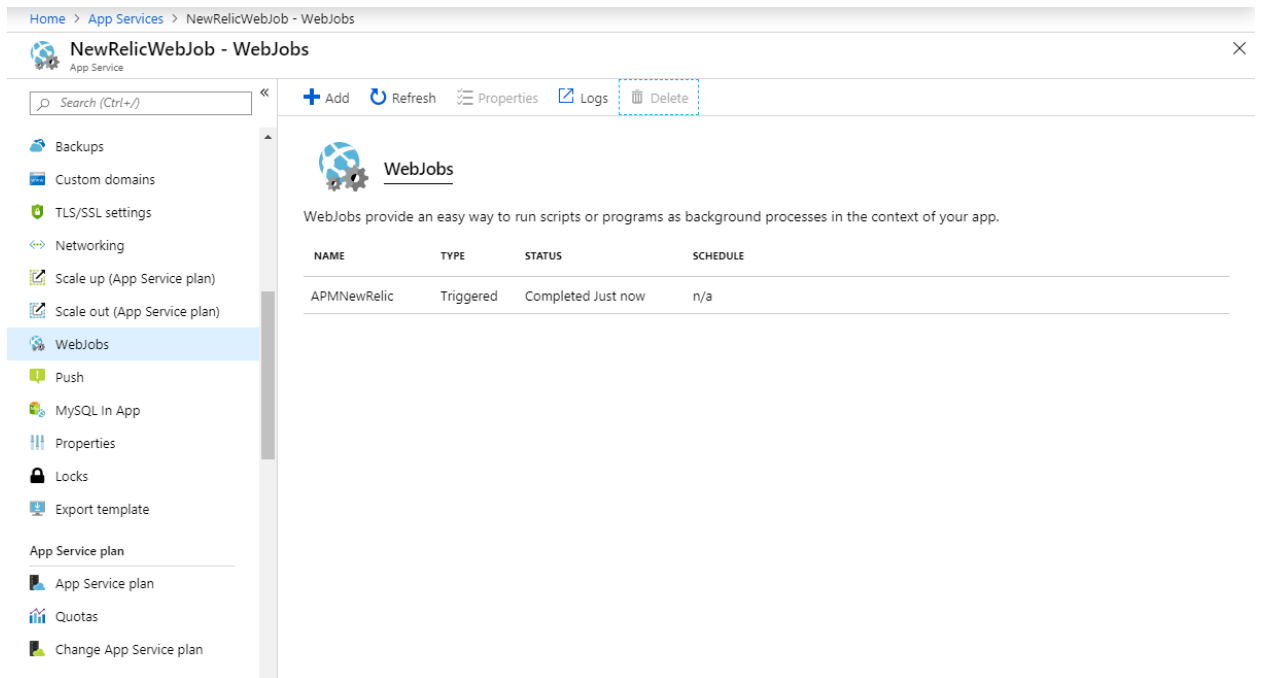
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <connectionStrings>
    <!-- The format of the connection string is "DefaultEndpointsProtocol=https;AccountName=NAME;Ac
    <!-- For local execution, the value can be set either in this config file or through environmen
    <add name="AzureWebJobsDashboard" connectionString="" />
    <add name="AzureWebJobsStorage" connectionString="" />
  </connectionStrings>
  <appSettings>
    <add key="NewRelic.AppName" value="APMWebJob" />
    <add key="NewRelic.AgentEnabled" value="true" />
    <add key="NewRelic.LicenseKey" value="" />
  </appSettings>
  <startup>
    <supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.5.2" />
  </startup>

```

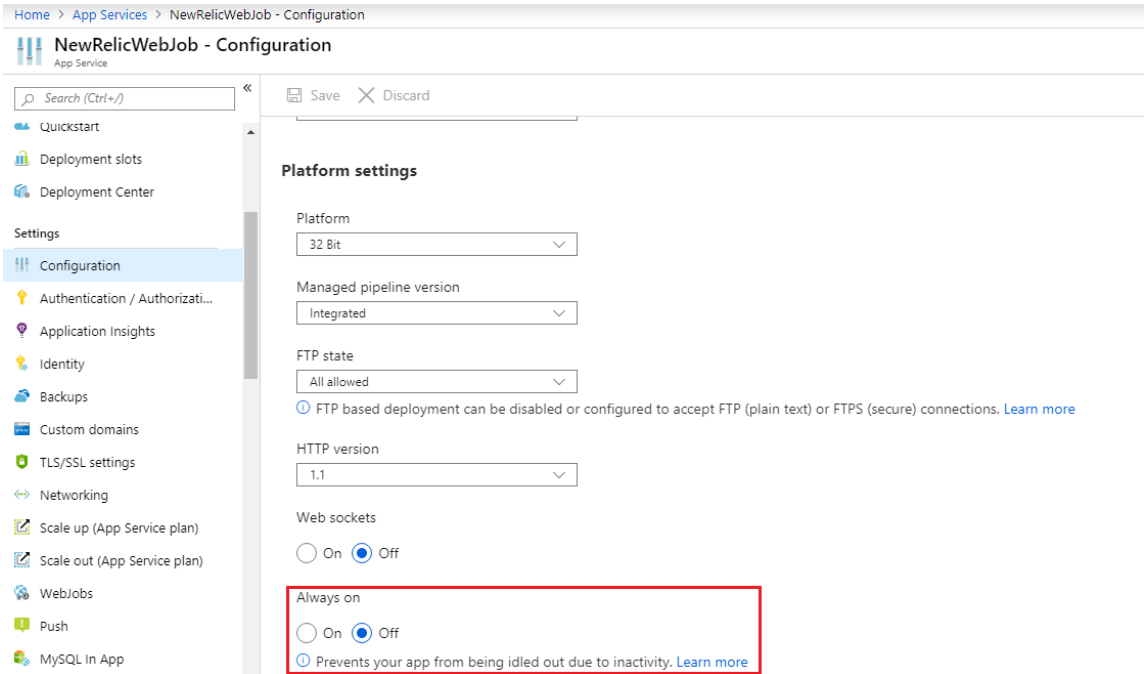
5. In the Webjob, added a New Folder file: `newrelic\extensions\apmazure.xml` with below content

```
<?xml version="1.0" encoding="utf-8" ?>
<extension xmlns="urn:newrelic-extension">
  <instrumentation>
    <tracerFactory name="NewRelic.Agent.Core.Tracer.Factories.BackgroundThreadTracerFactory">
      <match assemblyName="APM.NewRelic.Webjob" className="APM.NewRelic.Webjob.CallingClass1">
        <exactMethodMatcher methodName="CallingMethod1" />
      </match>
    </tracerFactory>
    <tracerFactory name="NewRelic.Agent.Core.Tracer.Factories.BackgroundThreadTracerFactory">
      <match assemblyName="APM.NewRelic.Webjob" className="APM.NewRelic.Webjob.CallingClass2">
        <exactMethodMatcher methodName="CallingMethod2" />
      </match>
    </tracerFactory>
  </instrumentation>
</extension>
```

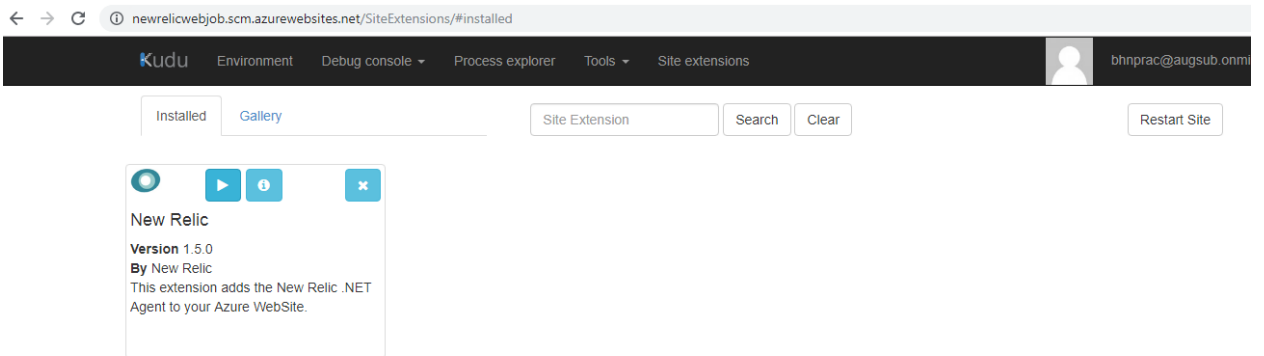
6. Created Azure Web Job in Azure Portal



7. Always On setting is turned off because the current Azure Subscription is free.



8. Added the New Relic Site Extension to my host site



9. In Azure Portal, following key-value pairs have been added in Application Settings

Home > App Services > NewRelicWebJob - Configuration

NewRelicWebJob - Configuration

App Service

Search (Ctrl+/)

Save Discard

Application settings are encrypted at rest and transmitted over an encrypted channel. You can choose to display them in plain text in your browser by using the controls below. Application Settings are exposed as environment variables for access by your application at runtime. [Learn more](#)

+ New application setting Hide values Advanced edit Filter

Name	Value	Deployment slot setting	Delete	Edit
APPINSIGHTS_INSTRUMENTATIONKEY	84d992a3-7e60-4f5c-9e62-f26e8881928			
APPINSIGHTS_PROFILERFEATURE_VERSION	disabled			
APPINSIGHTS_SNAPSHOTFEATURE_VERSION	disabled			
ApplicationInsightsAgent_EXTENSION_VERSION	~2			
DiagnosticsServices_EXTENSION_VERSION	disabled			
InstrumentationEngine_EXTENSION_VERSION	disabled			
NEW_RELIC_APP_NAME	APMWebJob			
NEW_RELIC_LICENSE_KEY				
SnapshotDebugger_EXTENSION_VERSION	disabled			

10. When I run Azure WebJob manually then Logs are appearing in **D:\home\LogFiles\NewRelic**

Please find below the logs: -

```
[Info ] 2019-08-27 12:05:30 Logger initialized.
[Trace] 2019-08-27 12:05:30 New Relic .NET Agent
[Trace] 2019-08-27 12:05:30 Initializing ThreadProfiler
[Info ] 2019-08-27 12:05:30 Found newrelic.config at: C:\Home\site\wwwroot\newrelic\newrelic.config
[Info ] 2019-08-27 12:05:30 -- New logging level set: Info
[Info ] 2019-08-27 12:05:30 Duplicate instrumentation for [System.Web.Http]System.Web.Http.Controllers.ApiControllerActionInvoker.InvokeActionAsync() was found and will be ignored
[Info ] 2019-08-27 12:05:30 New Relic .NET Agent v0.0.0.0
[Info ] 2019-08-27 12:05:30 The Profiler will use the environment variable APP_POOL_ID as the application name when white/black listing applications pools for profiling.
[Info ] 2019-08-27 12:05:30 Enabling instrumentation for this process due to existence of NewRelic.AgentEnabled=true in D:\LOCAL\TEMP\JOBS\TRIGGERED\APMNEWRELIC\HM3R1EE3.XSG\APM.NEWRELIC.WEBJOB.EXE.config.
[Info ] 2019-08-27 12:05:30 Profiler initialized
[Info ] 2019-08-27 12:07:31 Profiler shutting down
[Info ] 2019-08-27 12:07:31 Profiler shutdown
```

However nothing Appearing in New Relic APM UI.