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学习

azure-webjobs

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#azure-
webjobs

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1: azure-webjobs

Azure WebJobsApp Service WebAPI。

- .cmd.bat.exeWindows cmd
- .ps1PowerShell
- .shbash
- .phpPHP
- .pyPython
- .jsNode.js
- .jarJava

cronWebJobs。

[WebJobs SDK](#)[WebJobRSS](#)。 [WebJobs SDKAzure](#)。

Azure WebJobs SDK

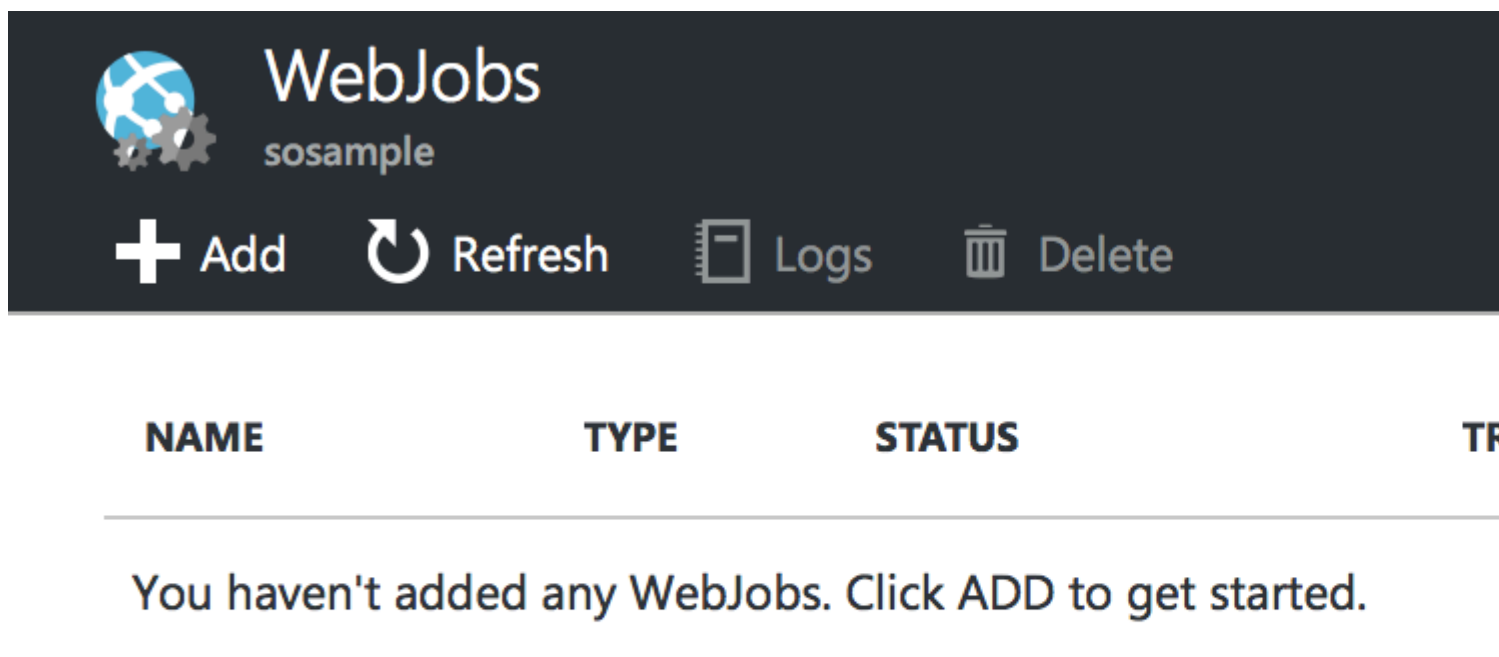
2.0.0-β1	2016714
1.1.2	2016422
1.1.1	2016113
1.1.0	○
1.1.0-RC1	2015112
1.1.0-β1	2015916
1.1.0-α-2	2015812
0.9.6	2015710
1.0.1	2015319
1.0.1-α1	2015218
1.0.0	20141017
1.0.0-RC1	2014922
0.6.0-β	2014913
0.5.0-β	201495

0.4.1-β	2014830
0.4.0-β	2014821

Examples

AzureWebJob

1. [AzureWeb App](#) > [WebJobsWebJobs](#)



WebJobs
sosample

+ Add Refresh Logs Delete

NAME	TYPE	STATUS	TR
You haven't added any WebJobs. Click ADD to get started.			

2. ◦ “**WebJob**”。

Add WebJob

sosample



* Name 

File Upload

Type 

Scale 

4. “ ”“ ”“ ” cronWeb。
5. “ ”zip。 zip.exe .cmd .bat .sh .php .py .js。
6. “ ”Web。 WebJobWebJobs。

azure-webjobs <https://riptutorial.com/zh-CN/azure-webjobs/topic/1311/azure-webjobs>

2: Azure Webjobs SDK

Examples

JobHost

Azure Webjobs SDK [Nugget Triggers Bindings Azure Azure](#).

SDK [JobHost](#). [WebjobJobHost](#)

```
class Program
{
    static void Main()
    {
        JobHostConfiguration config = new JobHostConfiguration();
        config.StorageConnectionString = "Your_Azure_Storage_ConnectionString";
        config.DashboardConnectionString = "Your_Azure_Storage_ConnectionString";
        JobHost host = new JobHost(config);
        host.RunAndBlock();
    }
}
```

JobHostConfiguration

```
config.Queues.BatchSize = 8;
config.Queues.MaxDequeueCount = 4;
config.Queues.MaxPollingInterval = TimeSpan.FromSeconds(15);
config.JobActivator = new MyCustomJobActivator();
```

QueueFunction

```
public static void StringMessage([QueueTrigger("my_queue")] string plainText)
{
    //...
}
```

POCO

```
public static void POCOMessage([QueueTrigger("my_queue")] MyPOCOClass aMessage)
{
    //...
}
```

Blob

AzureBlob

```
public static async Task BlobTrigger(
    [BlobTrigger("my_container/{name}.{ext}")] Stream input,
```



```

string name,
string ext)
{
    //Blob with name {name} and extension {ext}

    using (StreamReader reader = new StreamReader(input))
    {
        //Read the blob content
        string blobContent = await reader.ReadToEndAsync();
    }
}

```

SDK6 CRON {second} {minute} {hour} {day} {month} {day of the week} ◦ JobHostConfiguration

```
config.UseTimers();
```

```

// Runs once every 5 minutes
public static void CronJob([TimerTrigger("0 */5 * * * *")] TimerInfo timer)
{
}

// Runs immediately on startup, then every two hours thereafter
public static void StartupJob([TimerTrigger("0 0 */2 * * *", RunOnStartup = true)] TimerInfo
timerInfo)
{
}

```

```

//Fires when 10 errors occur in the last 30 minutes (sliding)
public static void ErrorMonitor([ErrorTrigger("0:30:00", 10)] TraceFilter filter)
{
    // get the last 5 errors
    filter.GetDetailedMessage(10);
}

```

◦

ErrorTriggerJobHostConfiguration

```
config.UseCore();
```

NuGetMicrosoft.Azure.WebJobs.Extensions ◦

Azure WebjobsAzure ◦ App Service **JobHost** ◦

WebJobs ◦ WebJobs ◦

WebJobApp Service Plan33WebJob ◦

WebJobs ◦ WebJobs**Singleton** ◦

```
[Singleton]
public static void SingletonQueueProcessing([QueueTrigger("my_queue")] MyPOCOClass aMessage)
{
    //...
}
```

Azure Blob Leases。

WebJobsWebJobWebJob。

Main() ConsoleWebJobDashboard。 TextWriter“”。

Console.Out INFO Console.Error ERROR。

```
public static void WriteLog([QueueTrigger("logqueue")] string message, TextWriter logger)
{
    Console.WriteLine("Console.Write - " + message);
    Console.Out.WriteLine("Console.Out - " + message);
    Console.Error.WriteLine("Console.Error - " + message);
    logger.WriteLine("TextWriter - " + message);
}
```

WebJob

```
[07/28/2016 22:29:18 > 0a1c35: INFO] Console.Write - Hello world!
[07/28/2016 22:29:18 > 0a1c35: INFO] Console.Out - Hello world!
[07/28/2016 22:29:18 > 0a1c35: ERR ] Console.Error - Hello world!
```

Dashboard

```
TextWriter - Hello world!
```

Ninject

NinjectIoC。

CustomModuleWebJob。

```
public class CustomModule : NinjectModule
{
    public override void Load()
    {
        Bind<IMyInterface>().To<MyService>();
    }
}
```

JobActivator

```
class JobActivator : IJobActivator
{
    private readonly IKernel _container;
    public JobActivator(IKernel container)
```

```

    {
        _container = container;
    }

    public T CreateInstance<T>()
    {
        return _container.Get<T>();
    }
}

```

ProgramMainJobHostJobActivatorJobHostConfiguration

```

public class Program
{
    private static void Main(string[] args)
    {
        //Set up DI
        var module = new CustomModule();
        var kernel = new StandardKernel(module);

        //Configure JobHost
        var storageConnectionString = "connection_string_goes_here";
        var config = new JobHostConfiguration(storageConnectionString) { JobActivator = new
JobActivator(kernel) };

        //Pass configuration to JobHost
        var host = new JobHost(config);

        // The following code ensures that the WebJob will be running continuously
        host.RunAndBlock();
    }
}

```

Functions.cs

```

public class Functions
{
    private readonly IMyInterface _myService;

    public Functions(IMyInterface myService)
    {
        _myService = myService;
    }

    public void ProcessItem([QueueTrigger("queue_name")] string item)
    {
        _myService .Process(item);
    }
}

```

Azure Webjobs SDK <https://riptutorial.com/zh-CN/azure-webjobs/topic/2662/azure-webjobs-sdk>

S. No		Contributors
1	azure-webjobs	Community , gbellmann
2	Azure Webjobs SDK	gbellmann , juunas , lopezbertoni , Matias Quaranta