



免費電子書

學習

azure-webjobs

Free unaffiliated eBook created from
Stack Overflow contributors.

#azure-
webjobs

.....	1
1: azure-webjobs	2
.....	2
.....	2
Azure WebJobs SDK.....	2
Examples.....	3
AzureWebJob.....	3
2: Azure Webjobs SDK	6
Examples.....	6
JobHost.....	6
.....	6
Blob.....	6
.....	7
.....	7
.....	7
.....	8
Ninject.....	8
.....	10

You can share this PDF with anyone you feel could benefit from it, downloaded the latest version from: [azure-webjobs](#)

It is an unofficial and free azure-webjobs ebook created for educational purposes. All the content is extracted from [Stack Overflow Documentation](#), which is written by many hardworking individuals at Stack Overflow. It is neither affiliated with Stack Overflow nor official azure-webjobs.

The content is released under Creative Commons BY-SA, and the list of contributors to each chapter are provided in the credits section at the end of this book. Images may be copyright of their respective owners unless otherwise specified. All trademarks and registered trademarks are the property of their respective company owners.

Use the content presented in this book at your own risk; it is not guaranteed to be correct nor accurate, please send your feedback and corrections to info@zzzprojects.com

1: azure-webjobs

Azure WebJobsApp Service WebAPI。

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

cronWebJobs。

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

Azure WebJobs SDK

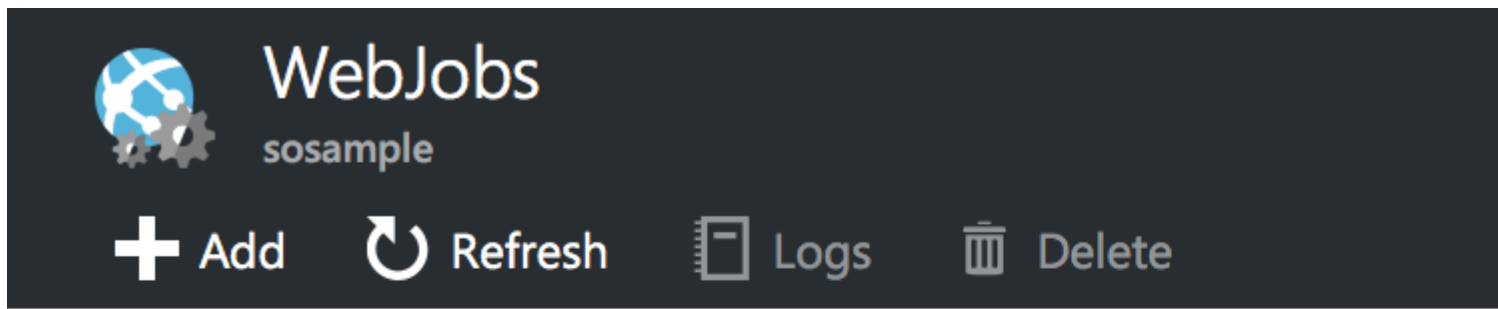
2.0.0-β1	2016714
1.1.2	2016422
1.1.1	2016113
1.1.0	○
1.1.0-RC1	2015112
1.1.0-β1	2015916
1.1.0-α-2	2015812
0.9.6	2015710
1.0.1	2015319
1.0.1-α1	2015218
1.0.0	20141017
1.0.0-RC1	2014922
0.6.0-β	2014913
0.5.0-β	201495

0.4.1-β	2014830
0.4.0-β	2014821

Examples

AzureWebJob

1. [AzureWeb App](#) > **WebJobs**WebJobs



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

2. ◦ “**WebJob**”◦

Add WebJob

sosample

* Name ⓘ

File Upload



Type ⓘ

Continuous



Scale ⓘ

Multi Instance



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

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

2: Azure Webjobs SDK

Examples

JobHost

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

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

```
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 > 0alc35: INFO] Console.Write - Hello world!
[07/28/2016 22:29:18 > 0alc35: INFO] Console.Out - Hello world!
[07/28/2016 22:29:18 > 0alc35: 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-TW/azure-webjobs/topic/2662/azure-webjobs-sdk>

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