

 무료 전자 책

배우기

azure-webjobs

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#azure-  
webjobs

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# 1: azure-webjobs

Azure WebJob App Service , API . .

- .cmd, .bat, .exe (Windows cmd )
- .ps1 ( [PowerShell](#) )
- .sh ( [bash](#) )
- .php ( [PHP](#) )
- .py ( )
- .js ( [Node.js](#) )
- .jar ( )

WebJob (cron) .

[WebJob SDK](#) , , RSS , WebJob . [WebJobs SDK Azure Storage](#) [Service Bus](#)

## Azure WebJobs SDK


<a href="#">2.0.0-beta1</a>	2016-07-14
<a href="#">1.1.2</a>	2016-04-22
<a href="#">1.1.1</a>	2016-01-13
<a href="#">1.1.0</a>	2015-11-19
<a href="#">1.1.0-rc1</a>	2015-11-02
<a href="#">1.1.0-beta1</a>	2015-09-16
<a href="#">1.1.0-alpha2</a>	2015-08-12
<a href="#">1.1.0-alpha1</a>	2015-07-10
<a href="#">1.0.1</a>	2015-03-19
<a href="#">1.0.1-alpha1</a>	2015-02-18
<a href="#">1.0.0</a>	2014-10-17
<a href="#">1.0.0-rc1</a>	2014-09-22
<a href="#">0.6.0-beta</a>	2014-09-13
<a href="#">0.5.0-beta</a>	2014-09-05





0.4.1-beta	2014-08-30
0.4.0-beta	2014-08-21

## Examples

### Azure WebJob

1. [Azure](#) > **WebJobs** WebJobs .


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. **How to Run Continuous Triggered** ( cron WebHook ) .

5. zip . zip ( .exe .cmd .bat .sh .php .py .js ) .

6. . WebJob WebJobs .

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

## 2: Azure Webjobs SDK

### Examples

#### JobHost

Azure Webjobs SDK [Nigget](#) `JobHost` (Azure ) .

SDK `JobHost` . Typical Webjob `JobHost` Console Application.

```
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();
```

#### Queue Function :

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

#### POCO

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

#### Azure Storage Blob :

```
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();
}
}

```

## SDK 6 ( {second} {minute} {hour} {day} {month} {day of the week} ) **CRON** .

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);
}

```

## ErrorTrigger JobHostConfiguration .

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

## NuGet **Microsoft.Azure.WebJobs.Extensions** .

Azure Webjobs Azure App . ( ) **JobHost** .

WebJob . WebJob .

WebJob App Service Plan 3 WebJob 3 .

## WebJob . WebJob Singleton .

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

## Azure Blob Leases .

### WebJobs Dashboard WebJob WebJob .

Main() WebJob . 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!
```

```
TextWriter - Hello world!
```

## Ninject

### Ninject IoC Dependency Injection .

### WebJob CustomModule .

```
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>();
}
}

```

## Program Main JobHost JobHctivator JobHostConfiguration

```

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 JobJost
        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/ko/azure-webjobs/topic/2662/azure-webjobs-sdk>

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S. No		Contributors
1	azure-webjobs	<a href="#">Community</a> , <a href="#">gbellmann</a>
2	Azure Webjobs SDK	<a href="#">gbellmann</a> , <a href="#">juunas</a> , <a href="#">lopezbertoni</a> , <a href="#">Matias Quaranta</a>