

```

using System;
using System.IO;
using Microsoft.Azure.WebJobs;
using Microsoft.Azure.WebJobs.Host;
using Microsoft.Extensions.Logging;
using SixLabors.ImageSharp;
using SixLabors.ImageSharp.Processing;
using SixLabors.Primitives;

```

```

namespace Cloudshikshak.Function

```

```

{
    public static class BlobTriggerCSharp
    {
        [FunctionName("BlobTriggerCSharp")]
        public static void Run([BlobTrigger("image-input/{name}", Connection = "storeageblobtriggered")]Stream inBlob,
            string name,
            [Blob("image-output/thumbnail-{name}", FileAccess.Write, Connection = "storeageblobtriggered")] Stream outBlob,
            ILogger log)
        {
            log.LogInformation($"New image uploaded in image-input container: {name}");
            try
            {
                using (var image = Image.Load(inBlob))
                {
                    image.Mutate(x => x.Resize(new ResizeOptions {
                        Size = new Size {
                            Height = 100,
                            Width = 100 },
                        Mode = ResizeMode.Crop
                    }));

                    using (var ms = new MemoryStream())
                    {
                        image.SaveAsPng(outBlob);
                    }
                }
            }
            catch (Exception ex)
            {
                log.LogInformation(ex.Message, null);
            }
        }
    }
}

```

In yellow we set the input image blob container name
In cyan we set the storage account name

Open the Package Manager PM and run the command:

Install-Package SixLabors.ImageSharp -Version 1.0.0

local.settings.json

```
{
  "IsEncrypted": false,
  "Values": {
    "AzureWebJobsStorage":
"DefaultEndpointsProtocol=https;AccountName=storeageblobtriggered;AccountKey=jni8AEkd2e5G/j5DPx6xe1REpeBJttjcP31Vz+HrH+So2T0QFuDQM/Rj3V/FSaMVUFgz9dTwm1c5+ASt6tP5BQ==;EndpointSuffix=core.windows.net",
    "FUNCTIONS_WORKER_RUNTIME": "dotnet",
    "storeageblobtriggered_STORAGE":
"DefaultEndpointsProtocol=https;AccountName=storeageblobtriggered;AccountKey=jni8AEkd2e5G/j5DPx6xe1REpeBJttjcP31Vz+HrH+So2T0QFuDQM/Rj3V/FSaMVUFgz9dTwm1c5+ASt6tP5BQ==;EndpointSuffix=core.windows.net"
  }
}
```

azure-functions-image-thumbnail.csproj

```
<Project Sdk="Microsoft.NET.Sdk">
  <PropertyGroup>
    <TargetFramework>netcoreapp3.0</TargetFramework>
    <AzureFunctionsVersion>v3</AzureFunctionsVersion>
    <RootNamespace>azure_functions_image_thumbnail</RootNamespace>
  </PropertyGroup>
  <ItemGroup>
    <PackageReference Include="Microsoft.Azure.WebJobs.Extensions.Storage" Version="4.0.4" />
    <PackageReference Include="Microsoft.NET.Sdk.Functions" Version="3.0.1" />
    <PackageReference Include="SixLabors.ImageSharp" Version="1.0.0" />
  </ItemGroup>
  <ItemGroup>
    <None Update="host.json">
      <CopyToOutputDirectory>PreserveNewest</CopyToOutputDirectory>
    </None>
    <None Update="local.settings.json">
      <CopyToOutputDirectory>PreserveNewest</CopyToOutputDirectory>
      <CopyToPublishDirectory>Never</CopyToPublishDirectory>
    </None>
  </ItemGroup>
</Project>
```

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Restore containers

Refresh

Delete

Give feedback

Search containers by prefix

Show deleted containers

Name	Last modified	Public access level	Lease state
<input type="checkbox"/> \$logs	6/19/2023, 12:43:47 PM	Private	Available
<input type="checkbox"/> azure-webjobs-hosts	6/19/2023, 12:55:39 PM	Private	Available
<input type="checkbox"/> input-images	6/19/2023, 12:45:23 PM	Blob	Available
<input type="checkbox"/> output-images	6/19/2023, 1:35:12 PM	Blob	Available

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input-images

Container

Search

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

- Shared access tokens
- Access policy
- Properties
- Metadata

Authentication method: Access key (Switch to Azure AD User Account)

Location: input-images

Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state	
<input type="checkbox"/> adrien-eBKbKMiE03c-unsplash.jpg	6/19/2023, 1:55:53 PM	Hot (Inferred)		Block blob	6.55 MiB	Available	...

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Container overview sidebar for 'output-images' including Overview, Diagnose and solve problems, Access Control (IAM), Settings, Shared access tokens, Access policy, Properties, and Metadata.

Main container view for 'output-images' showing authentication method, location, search bar, and a table of blobs.

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
thumbnail-adrien-eBKbKMiE03c-unsplas...	6/19/2023, 1:56:08 PM	Hot (Inferred)		Block blob	17.23 KiB	Available