Migrate from .NET Core 3.1 to .NET 5 – High level documentation

Refer to [https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster&\_a=history" HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster&\_a=history"& HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster&\_a=history"\_a=history" HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster&\_a=history"& HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster&\_a=history" HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster&\_a=history"& HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster&\_a=history"\_a=history" HYPERLINK "https://segdevops.visualstudio.com/SE%20Grocers/\_git/EagleEyeFunctionApp?version=GBmaster&\_a=history"\_a=history](https://segdevops.visualstudio.com/SE%20Grocers/_git/EagleEyeFunctionApp?version=GBmaster&_a=history)

This service is already migrated to .net5 and deployed .

**Prerequisites**

* [Visual Studio 2019 16.8 or later](https://visualstudio.microsoft.com/downloads/?utm_medium=microsoft&utm_source=docs.microsoft.com&utm_campaign=inline+link&utm_content=download+vs2019)
* [.NET 5.0 SDK](https://dotnet.microsoft.com/download/dotnet/5.0)

**Update the target framework**

<PropertyGroup>

<TargetFramework>net5.0</TargetFramework>

<AzureFunctionsVersion>v3</AzureFunctionsVersion>

<OutputType>Exe</OutputType>

</PropertyGroup>

**Packages:**

<ItemGroup>

<PackageReference Include="Microsoft.Azure.Functions.Worker.Extensions.OpenApi" Version="1.3.0"/>

<PackageReference Include="Microsoft.Azure.Functions.Extensions" Version="1.1.0"/>

<PackageReference Include="Microsoft.ApplicationInsights" Version="2.20.0" />

<PackageReference Include="Microsoft.Azure.Functions.Worker" Version="1.6.0" />

<PackageReference Include="Microsoft.Azure.Functions.Worker.Sdk" Version="1.3.0"/>

(If using a timer trigger, include this package)

<PackageReference Include="Microsoft.Azure.Functions.Worker.Extensions.Timer" Version="4.0.1" />

</ItemGroup>

**we need a Program.cs file to work as the entry point**

public class Program

{

public static void Main()

{

var host = new HostBuilder()

.ConfigureFunctionsWorkerDefaults(worker => worker.UseNewtonsoftJson())

.ConfigureOpenApi()

.Build();

host.Run();

}

}

**Code Changes**

* The first thing to change is “FunctionName” to “Function”
* [HttpRequestData](https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.functions.worker.http.httprequestdata?view=azure-dotnet&preserve-view=true) object that is passed to the function
* FunctionContext context is passed to the function
* function returns an HttpResponseData object,
* Logging

var logger = context.GetLogger("HttpFunction");

logger.LogInformation("message logged");

settings:

“FUNCTIONS\_WORKER\_RUNTIME”: “dotnet”

becomes

“FUNCTIONS\_WORKER\_RUNTIME”: “dotnet-isolated”

Build and deployment Pipelines:

.net core SDK and .net5 sdk are required for build pipelines. so, make sure you are installing both packages. refer to below files in EagleEyeFunctionApp

bootstrap-build.yaml

install-dotnet.yaml

install-dotnet-core.yaml