

## HOWTO: Use "single file deployment" to publish a DotImage application using .NET Core

There is a known .NET 6 issue when publishing single file applications containing both managed and unmanaged code leads to crashing with `System.AccessViolationException`

For DotImage .NET Core applications this may result in the error below.

Fatal error. `System.AccessViolationException`: Attempted to read or write protected memory. This is often an indication that other memory is corrupt.

Repeat 2 times:

```
-----  
at <Module>.g()  
-----  
at <Module>.d(atalab2v*)  
at <Module>.a(atalab2v*)  
at <Module>..cctor()  
at Atalasoft.Imaging.AtalaImage..cctor()  
at Atalasoft.Imaging.AtalaImage..ctor(System.String)  
at Net6AtalaConsole.Program.Main(System.String[])
```

If you receive this error when publishing using the "single file deployment" setting you can make the following project and publish setting changes to resolve this error

1. Modify the .csproj file so that any files that must be copied to output directory also have the property "ExcludeFromSingleFile"

```
<ItemGroup>  
  <None Update="images\Tiger.jpg">  
    <CopyToOutputDirectory>Always</CopyToOutputDirectory>  
    <ExcludeFromSingleFile>true</ExcludeFromSingleFile>  
  </None>  
</ItemGroup>
```

2. The publish command should contain parameter `IncludeAllContentForSelfExtract`. This is

## HOWTO: Use "single file deployment" to publish a DotImage application using .NET Core

necessary if assembly has references to C++/CLI:

The complete publish command should look like this.

```
dotnet publish -r win-x64 -p:PublishSingleFile=true -p:IncludeAllContentForSelfExtract=true  
--self-contained true
```

Atalasoft Knowledge Base

<https://www.atalasoft.com/kb2/KB/50428/HOWTO-Use-single-file-deployment-to-...>