

Unit Testing Conventions

Suppress Async Warning Project-Wide

Since we have several calls to base classes for diagnostics and such that are async, it's a good idea to standardize on all Test methods be async.

The problem is that not every test method contains an awaited call. so, we get compiler warnings for them.

NOTE: This can be added to legacy csproj files, as well (non SDK-based).

To do this, you have to open the csproj file in a text editor, and paste the lines into the top propertygroup block.

To suppress these warnings, add this to the PropertyGroup of the csproj of your Test projects:

```
<!-- NoWarn below suppresses CS1998 project-wide -->  
<!-- This suppresses the IDE warning that the async method lack await. -->  
<!-- We default all test methods to async, so the timing and dependency calls are the consistent. -->  
<NoWarn>$(NoWarn);CS1998</NoWarn>
```

The csproj would look like this:

```
<Project Sdk="Microsoft.NET.Sdk">  
  
  <PropertyGroup>  
    <TargetFramework>net6.0</TargetFramework>  
    <ImplicitUsings>enable</ImplicitUsings>  
    <Nullable>enable</Nullable>  
  
    <IsPackable>>false</IsPackable>  
    <IsTestProject>>true</IsTestProject>  
  
    <!-- NoWarn below suppresses CS1998 project-wide -->  
    <!-- This suppresses the IDE warning that the async method lack await. -->  
    <!-- We default all test methods to async, so the timing and dependency calls are the consistent. -->
```

<NoWarn>\$(NoWarn);CS1998</NoWarn>

</PropertyGroup>

...

</Project>

Revision #2

Created 4 May 2025 22:25:27 by glwhite

Updated 28 October 2025 17:40:48 by glwhite