# 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>
```

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