

External Extensibility

This section outlines how to create more complex extensions ([scriptable variables](#) and [components](#)) with a more advanced IDE (such as Visual Studio).

Project

Create a new class library project. Then add a reference to StresStimulus extensibility API located in the `StresStimulus.Extensibility` namespace using the following assembly:

- In **standalone version**, use namespace is located in the `StresStimulus.Core` assembly
- In **Fiddler add-on version**, use namespace is located in `StresStimulus.Core.Fiddler` assembly

If you wish to use your custom extensions with both StresStimulus versions, create/compile two versions of the extensions using the same codebase, but referencing two different StresStimulus assemblies.

Your assembly should be stored in the [Bin](#) subfolder in the test folder. For example, for the test called `MyTest.ssconfig`, copy the assembly .dll to `MyTest\bin` folder.

Programming the extensions is similar to programming them using the [code editor](#).

.NET versions

StresStimulus is built on .NET 4, therefore extensions must also be built on .NET Framework 4 or higher.

Distributed Testing:

If using external variables in a [distributed testing environment](#), it's important to consider what version of StresStimulus is running on the controller and agents being used.

- If the controller is running **standalone version**, the agents must be running a **standalone version** or as a **Windows service**.
- If the controller is running **Fiddler add-on version**, the agents must be running **Fiddler add-on version**.