

Using Assembly

Written by Hamed Iravanchi
Monday, 04 October 2010 09:06 -

This sample demonstrates how to register a whole assembly (all components inside an assembly) instead of registering each component one by one. It's an extension to the previous basic sample, [Simple Composition](#) .

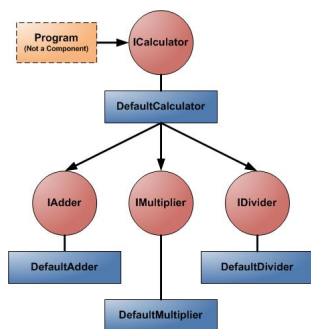
Project name: "B.UsingAssembly"

For information on how to get the code, and run the sample, please see [About Basic Samples](#) .

Description

The functionality and composition of this sample is exactly the same as the [previous sample](#) . The only difference is that in the main method, the ComponentContext.RegisterAssembly extension method is used, instead of ComponentContext.Register method.

Dependency Diagram



Sample output

```
CONSTRUCTOR - DefaultCalculator
CONSTRUCTOR - DefaultAdder
SET PLUG - DefaultCalculator.Adder
CONSTRUCTOR - DefaultMultiplier
SET PLUG - DefaultCalculator.Multiplier
CONSTRUCTOR - DefaultDivider
SET PLUG - DefaultCalculator.Divider
METHOD CALL - DefaultCalculator.Add(67, 12)
METHOD CALL - DefaultAdder.Add(67, 12)
67 + 12 = 79
METHOD CALL - DefaultCalculator.Subtract(67, 12)
```

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METHOD CALL - DefaultAdder.Add(67, -12)

$67 - 12 = 55$ METHOD CALL - DefaultCalculator.Multiply(67, 12)

METHOD CALL - DefaultMultiplier.Multiply(67, 12)

$67 * 12 = 804$ METHOD CALL - DefaultCalculator.Divide(67, 12)

METHOD CALL - DefaultDivider.Divide(67, 12)

METHOD CALL - DefaultCalculator.Remainder(67, 12)

METHOD CALL - DefaultDivider.Remainder(67, 12)

$67 / 12 = 5$ (with remainder = 7)