

Managing Projects and Solutions with the dotnet CLI



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Multi-project Web Apps



Weather



Web



Web.csproj



Client



Client.csproj



Client.Tests



Client.Tests.csproj



Multi-project Web Apps



Weather



Weather.sln



Web



Web.csproj



Client



Client.csproj



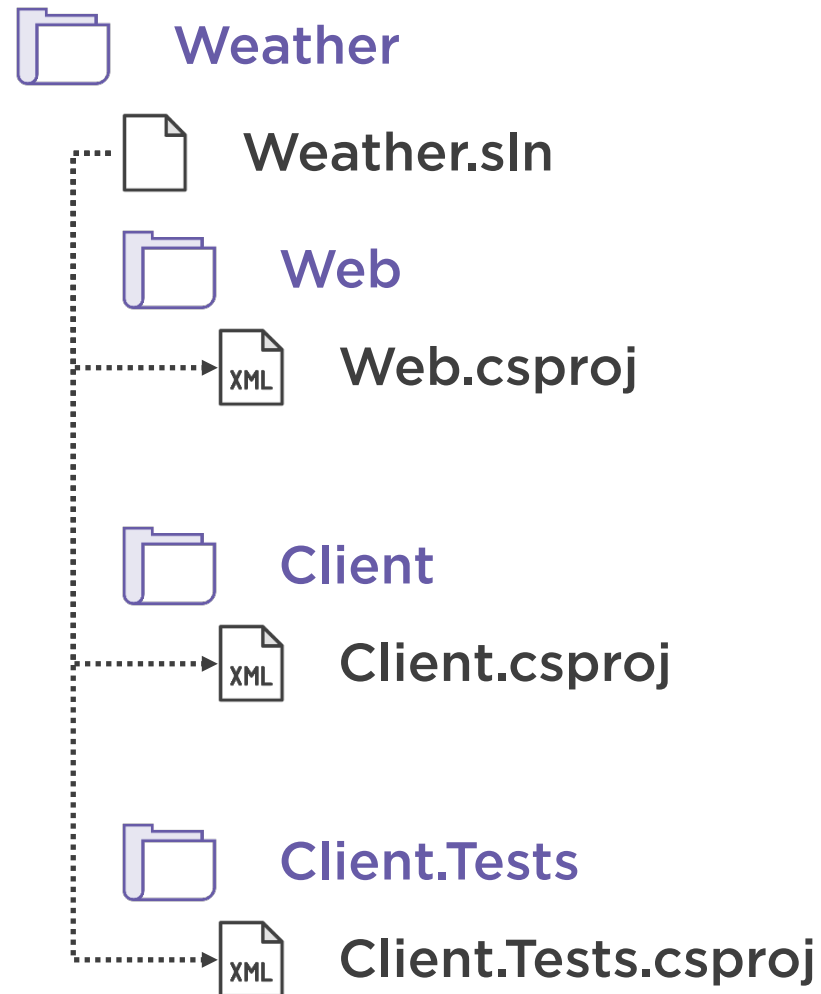
Client.Tests



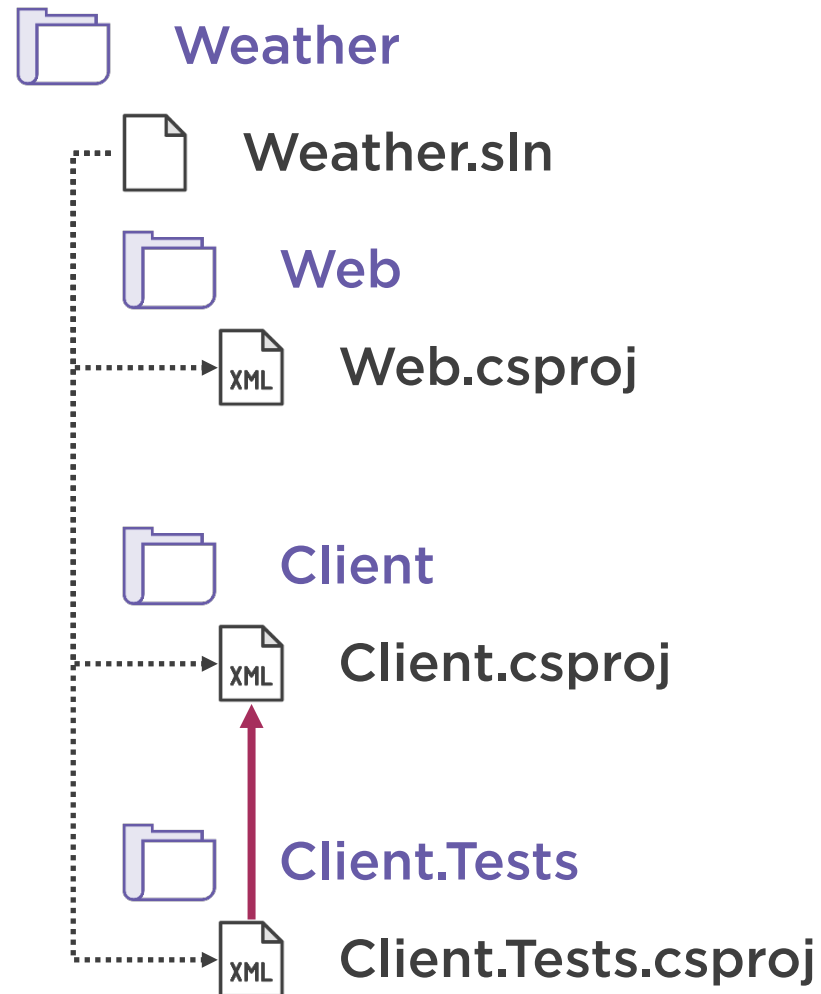
Client.Tests.csproj



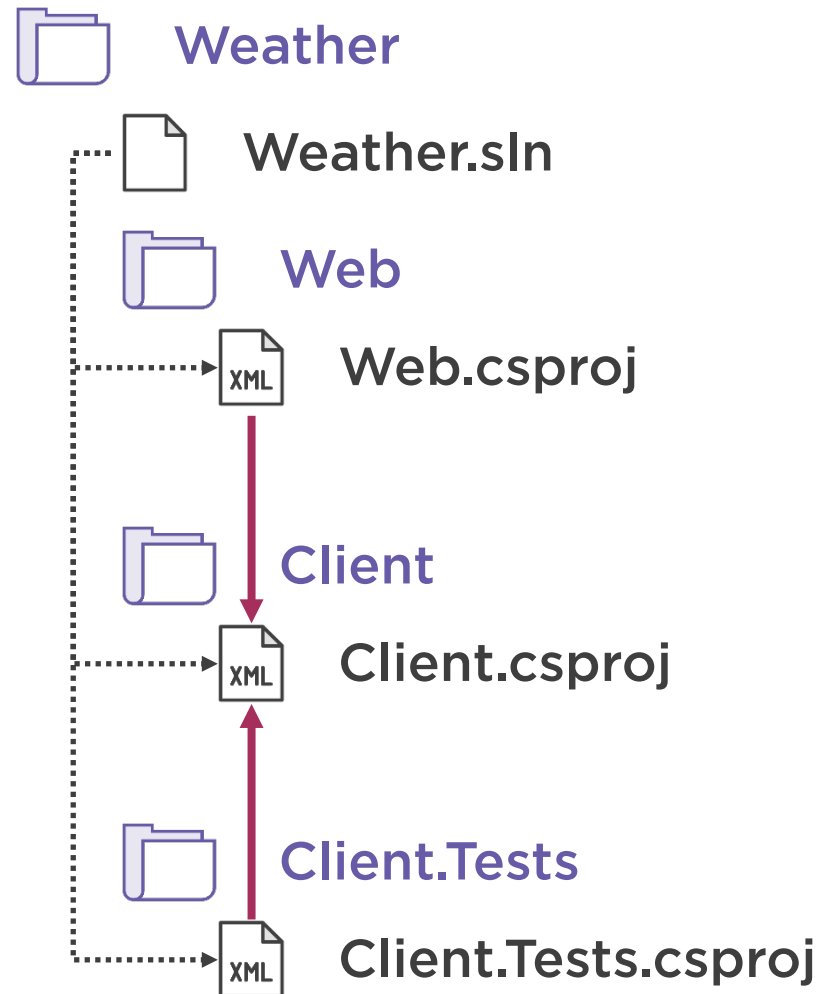
Multi-project Web Apps



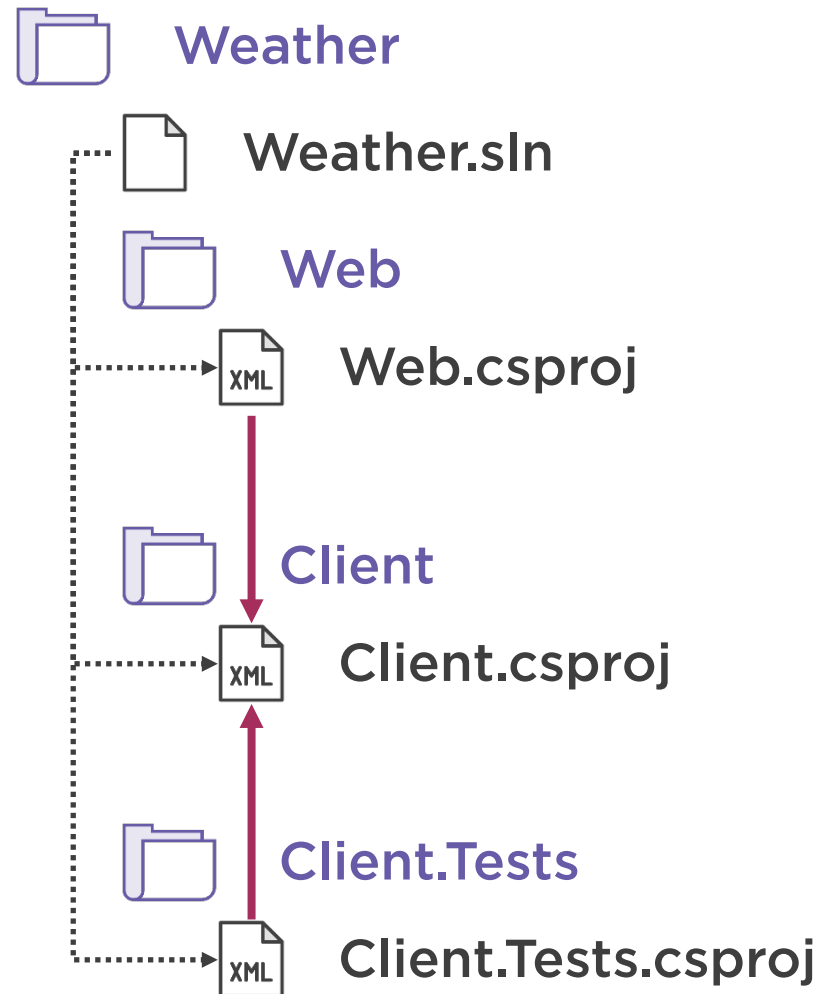
Multi-project Web Apps



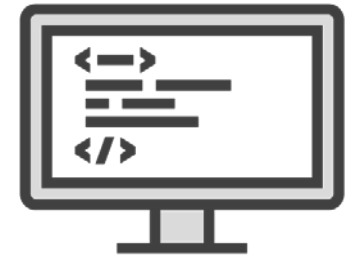
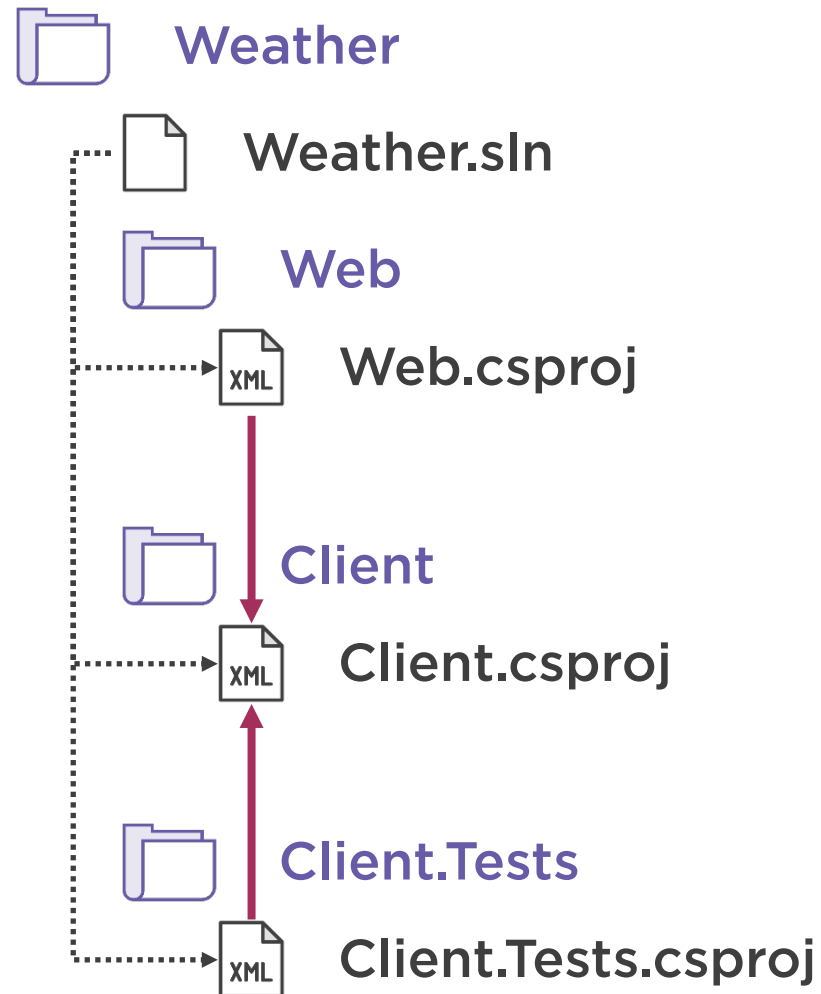
Multi-project Web Apps



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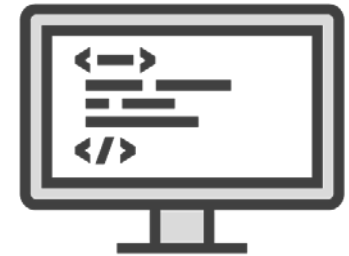
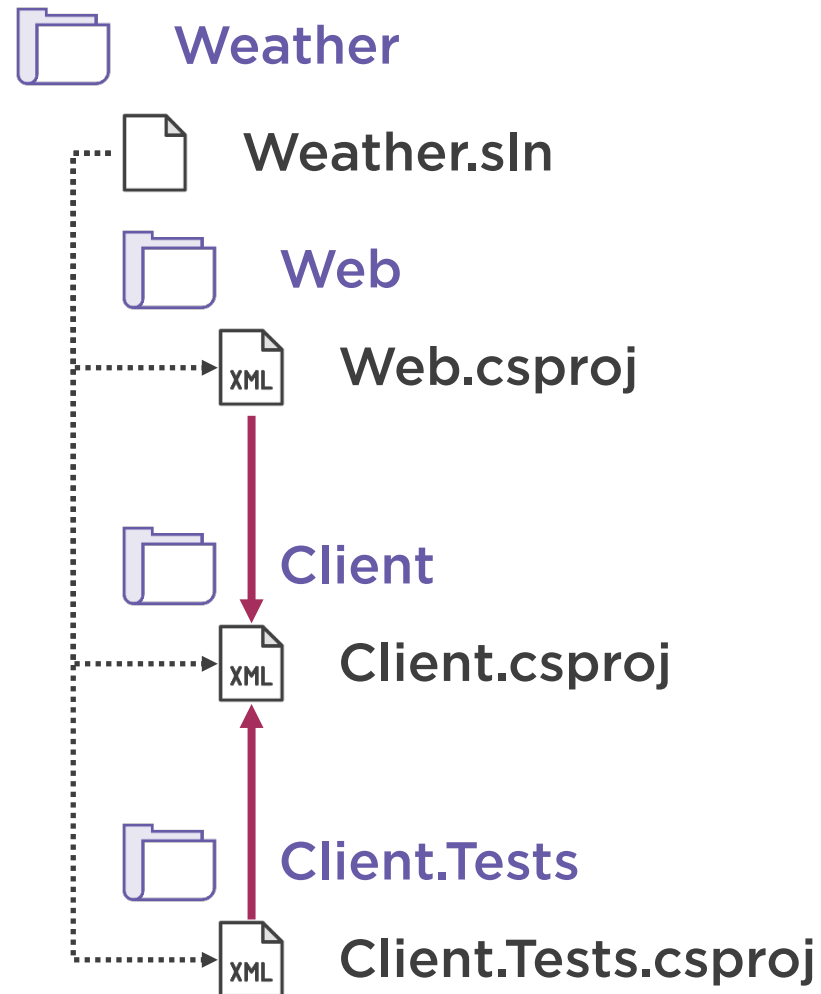
Edit File



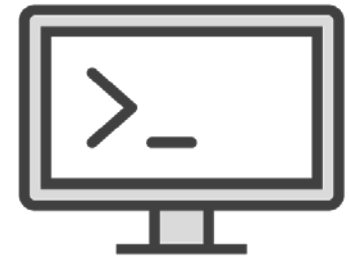
CLI



Multi-project Web Apps



Edit File



CLI



IDE





```
{
  "version": "1.0.0-*",
  "buildOptions": {
    "debugType": "portable"
  },
  "dependencies": {
    "System.Runtime.Serialization.Primitives": "4.1.1",
    "xunit": "2.1.0",
    "dotnet-test-xunit": "1.0.0-rc2-192208-24"
  },
  "testRunner": "xunit",
  "frameworks": {
    "netcoreapp1.0": {
      "dependencies": {
        "Microsoft.NETCore.App": {
          "type": "platform",
          "version": "1.0.1"
        }
      },
      "imports": [
        "dotnet5.4",
        "portable-net451+win8"
      ]
    }
  }
}
```

project.json



```

{
  "version": "1.0.0-*",
  "buildOptions": {
    "debugType": "portable"
  },
  "dependencies": {
    "System.Runtime.Serialization.Primitives": "4.1.1",
    "xunit": "2.1.0",
    "dotnet-test-xunit": "1.0.0-rc2-192208-24"
  },
  "testRunner": "xunit",
  "frameworks": {
    "netcoreapp1.0": {
      "dependencies": {
        "Microsoft.NETCore.App": {
          "type": "platform",
          "version": "1.0.1"
        }
      },
      "imports": [
        "dotnet5.4",
        "portable-net451+win8"
      ]
    }
  }
}

```

project.json

console.csproj

```

<Project Sdk="Microsoft.NET.Sdk">

  <PropertyGroup>
    <TargetFramework>netcoreapp1.1</TargetFramework>
  </PropertyGroup>

  <ItemGroup>
    <PackageReference Include="Microsoft.NET.Test.Sdk" Version="15.0.0" />
    <PackageReference Include="xunit" Version="2.2.0" />
    <PackageReference Include="xunit.runner.visualstudio" Version="2.2.0" />
  </ItemGroup>

</Project>

```



Key Takeaways



Solutions organize projects

Clean ProjectReferences

Converged VSTest Adapters – same for both .NET Framework and .NET Core

Trifecta of Modification

- CLI
- By Hand
- Visual Studio / IDE