

NEO Persistable Classes 2.0 Platform for Python Smart Contracts

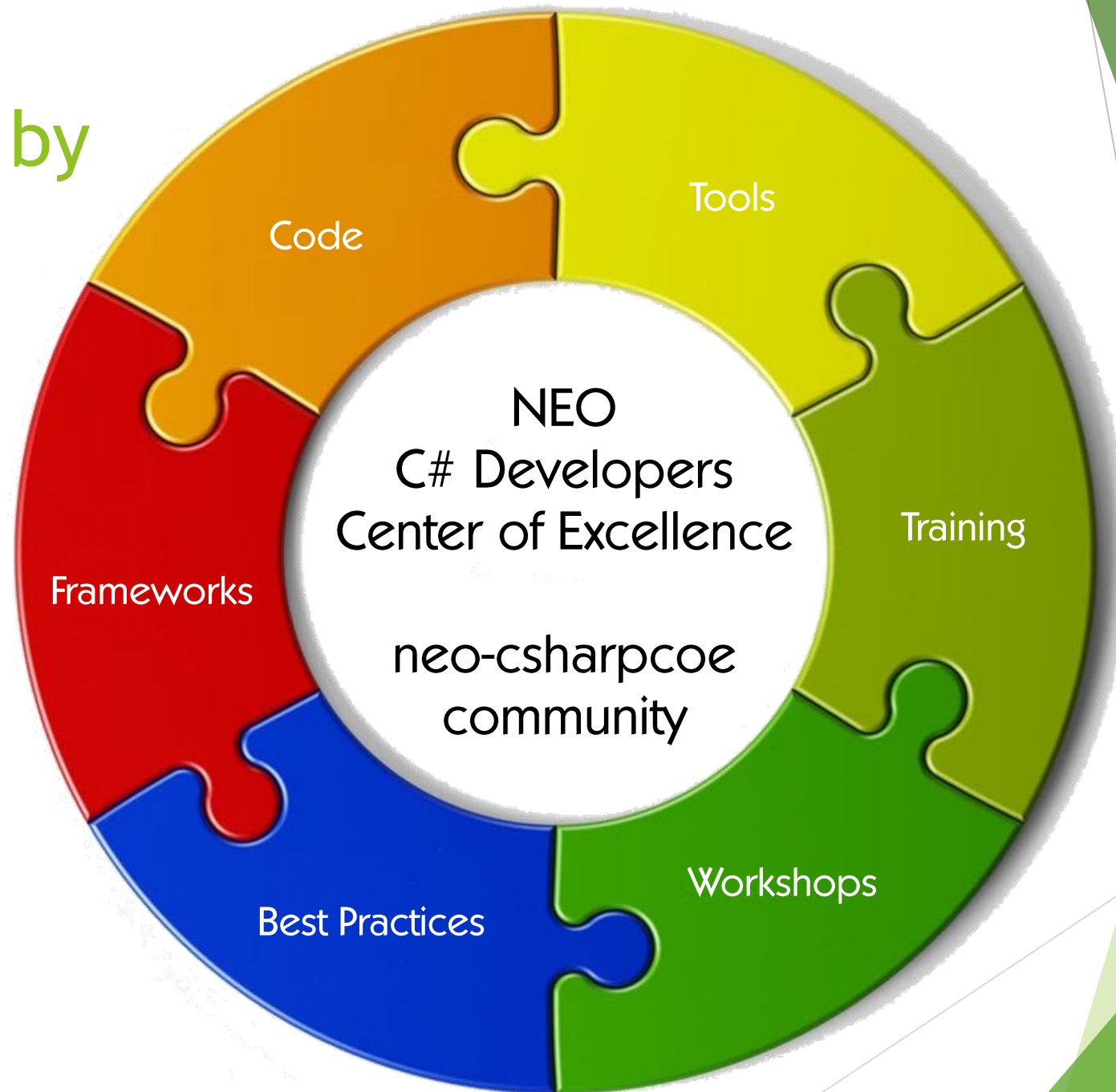
Michael Herman and Nate Bronstein
Independent Blockchain Developers

NEO C# Developers Center of Excellence

<https://github.com/mwherman2000/neo-csharpcoe>



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NATE: First 9 step are complete

2. Modify the Visual Studio 2017 configuration to include Python support
TODO

4. Configure the NPC Compiler (npcc.exe) to be the “debugger” for the Model Class project
TODO

- Click Start to run the NPC Compiler to generate the NPC C# support files in the C# smart contract project.

8. Create a Python Model project for the manually-created Python version of the C# smart contract (from Step 5-6-7)
e.g. `NPC.mwherman2000.NEP5Token.ManualIPContract`

10. Manually translate/port the C# from `NPC.mwherman2000.NEP5Token.Contract` to `NPC.mwherman2000.NEP5Token.ManualPContract`

2. Modify the Visual Studio 2017 configuration to include Python support

Visual Studio Installer

Modifying — Visual Studio Community 2017 — 15.6.6

Workloads Individual components Language packs

Windows (3)

- ☐ Universal Windows Platform development
Create applications for the Universal Windows Platform with C#, VB, JavaScript, or optionally C++.
- ☒ Desktop development with C++
Build Windows desktop applications using the Microsoft C++ toolset, ATL, or MFC.
- ☒ .NET desktop development
Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F#.

Web & Cloud (7)

- ☒ ASP.NET and web development
Build web applications using ASP.NET, ASP.NET Core, HTML/JavaScript, and Containers including Docker support.
- ☒ Azure development
Azure SDKs, tools, and projects for developing cloud apps, creating resources, and building Containers including...
- ☒ Python development
Editing, debugging, interactive development and source control for Python.
- ☒ Node.js development
Build scalable network applications using Node.js, an asynchronous event-driven JavaScript runtime.

Summary

- > Visual Studio core editor
- > .NET desktop development
- > Desktop development with C++
- > ASP.NET and web development
- > Azure development
- > Python development
- > Node.js development
- > Mobile development with .NET
- ✓ Individual components
 - ✓ Android NDK (R13B)
 - ✓ TypeScript 2.5 SDK

Location
D:\Program Files (x86)\Microsoft Visual Studio\2017\Community

System drive (C:): 0 KB
Install location (D:): 0 KB
Total install size: 0 KB

4/13/2018

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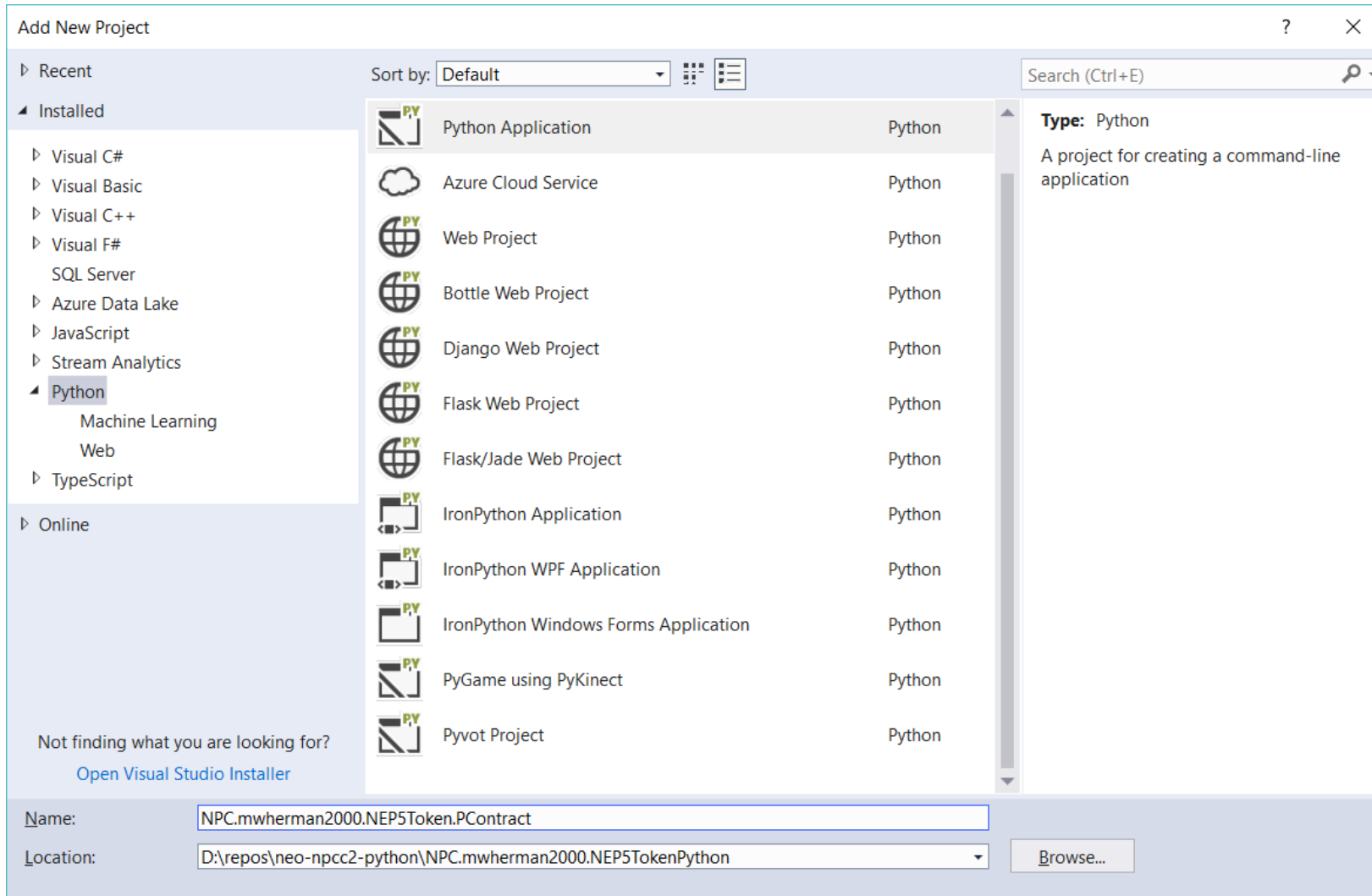
Modify

1.15.3248.309

8,9. Create a Python Model projects

NPC.mwherman2000.NEP5Token.ManualPContract

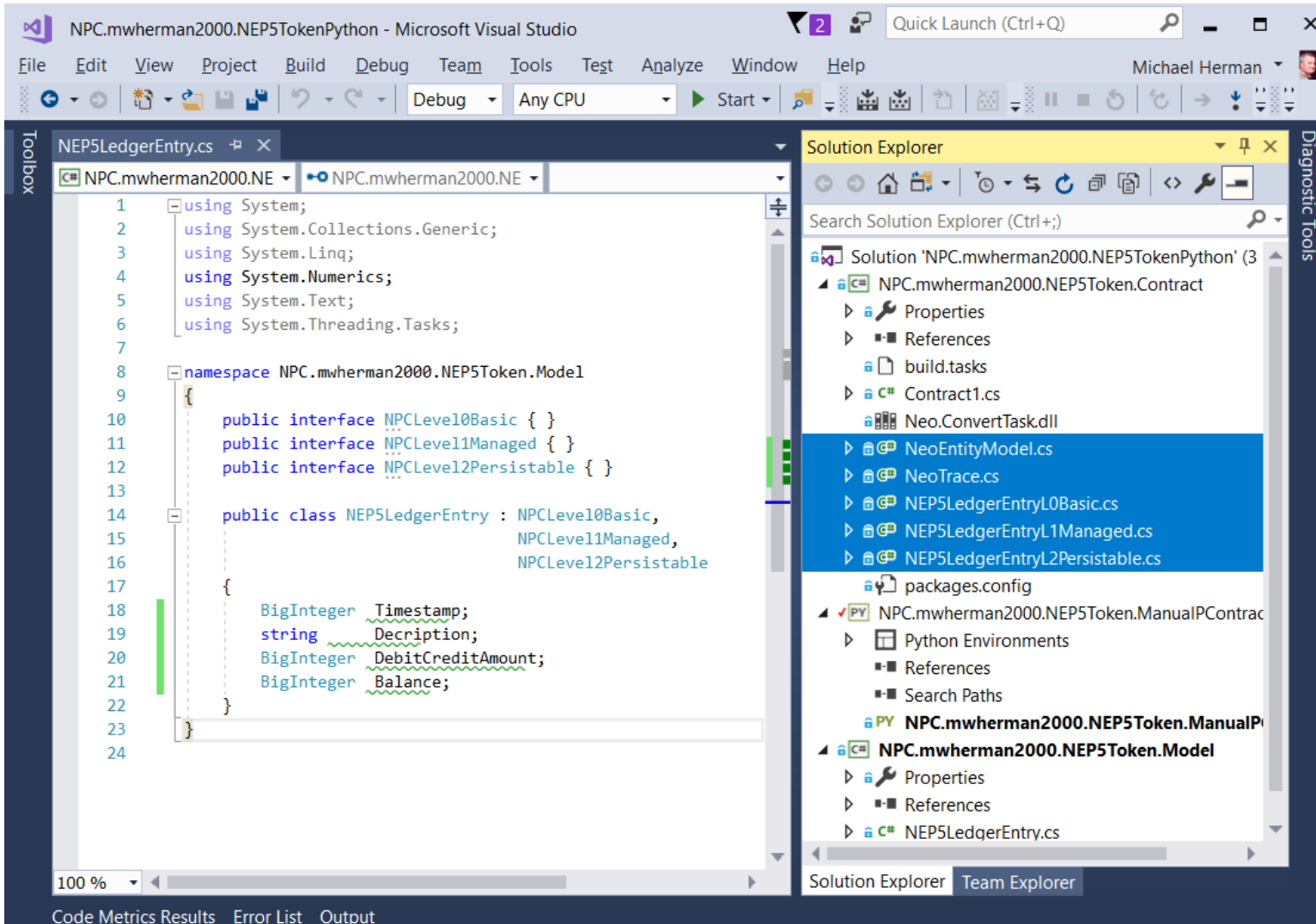
NPC.mwherman2000.NEP5Token.PContract



10. Manually translate/port the C#

from NPC.mwherman2000.NEP5Token.Contract

to NPC.mwherman2000.NEP5Token.ManualPContract



< Translate these 5 C# files

< into this Python project

Questions?



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