

NEO Persistable Classes 2.0 Platform for Python Smart Contracts

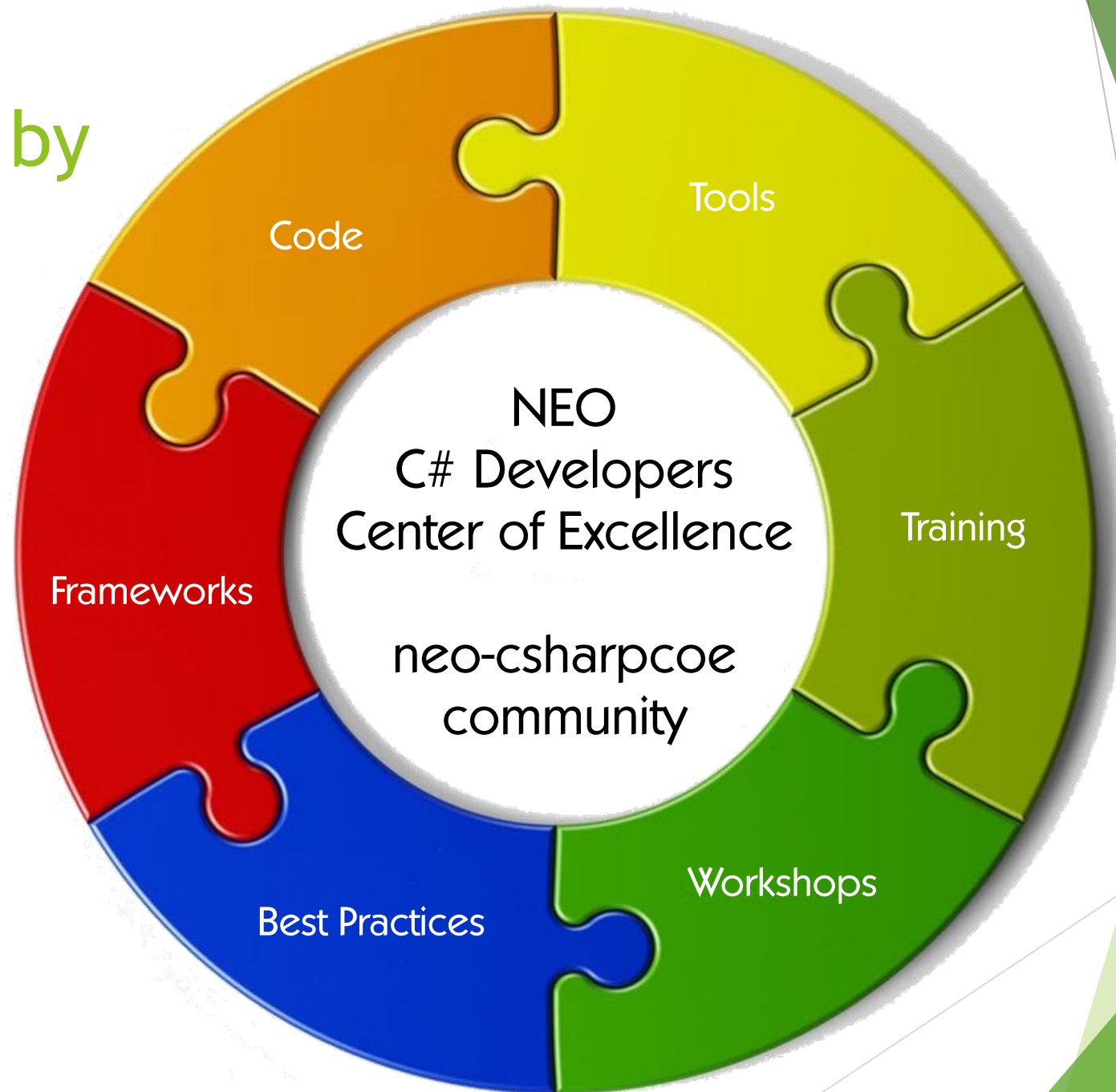
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Independent Blockchain Developers

NEO C# Developers Center of Excellence

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



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Preparation / Roadmap

NATE: First 9 step are complete

1. Install Visual Studio 2017 Community Edition (free)
TODO
2. Modify the Visual Studio 2017 configuration to include Python support
TODO
3. Follow the normal NPC process to create a Model Class project using C#
TODO e.g. `NPC.mwherman2000.NEP5Token.Model1`
4. Configure the NPC Compiler (npcc.exe) to be the “debugger” for the Model Class project
TODO
5. Create a (C#) NEO Smart Contract project for the C# version of the smart contract
TODO e.g. `NPC.mwherman2000.NEP5Token.Contract`
6. Click Start to run the NPC Compiler to generate the NPC C# support files in the C# smart contract project
7. Manually include the generated C# support files into the Visual Studio 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.ManualPContract`
9. Create a second Python Model project for the automatically generated Python version of smart contract
e.g. `NPC.mwherman2000.NEP5Token.PContract`
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

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4/13/2018

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

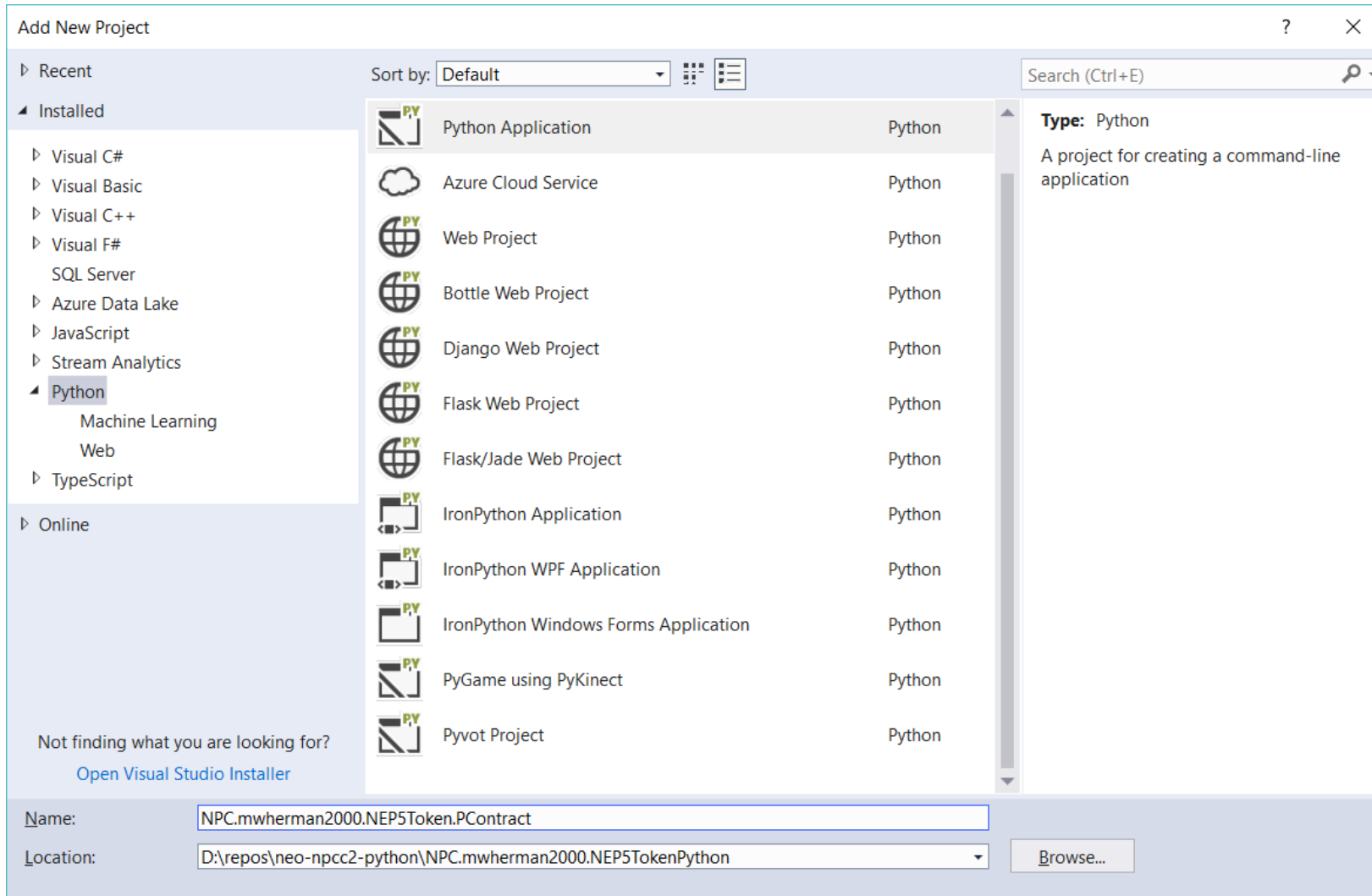
Modify

1.15.3248.309

8,9. Create a Python Model projects

NPC.mwherman2000.NEP5Token.ManualIPContract

NPC.mwherman2000.NEP5Token.PContract



Questions?



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