NEO Persistable Classes 2.1 Platform for Python Smart Contacts

Michael Herman and Nate Bronstein Independent Blockchain Developers



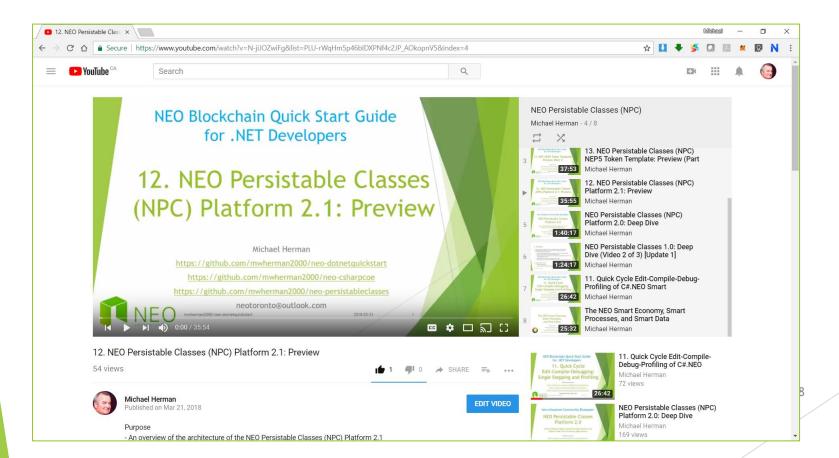
NEO C# Developers Center of Excellence

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



Homework

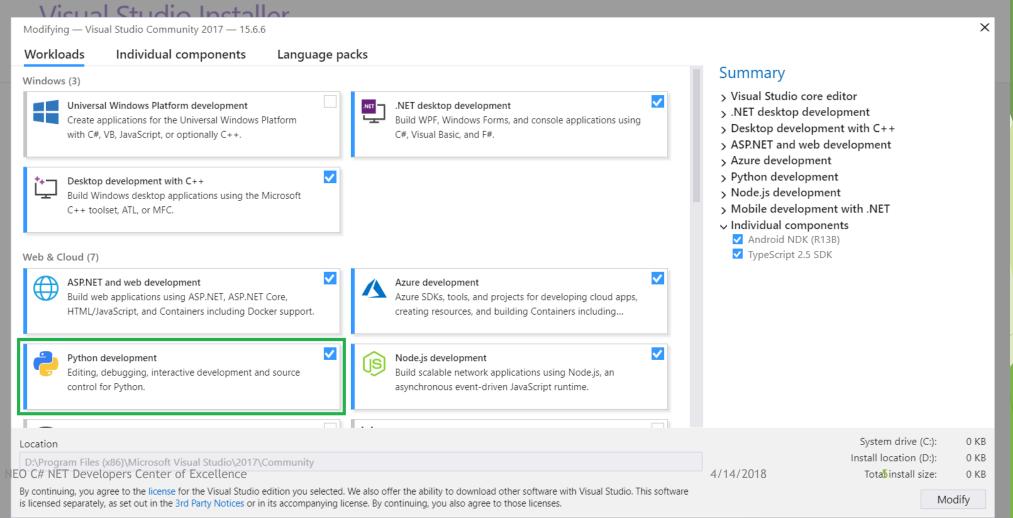
1. Watch the webcast "12. NEO Persistable Classes (NPC) Platform 2.1: Preview" https://www.youtube.com/watch?v=N-jiJOZwiFg



Preparation / Roadmap NATE: First 9 step are complete

- 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.Model
- 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
- 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

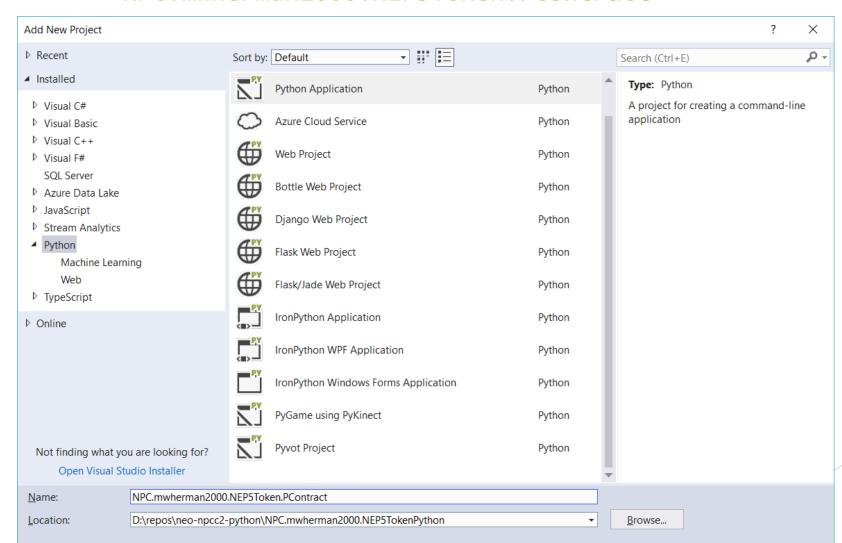
2. Modify the Visual Studio 2017 configuration to include Python support



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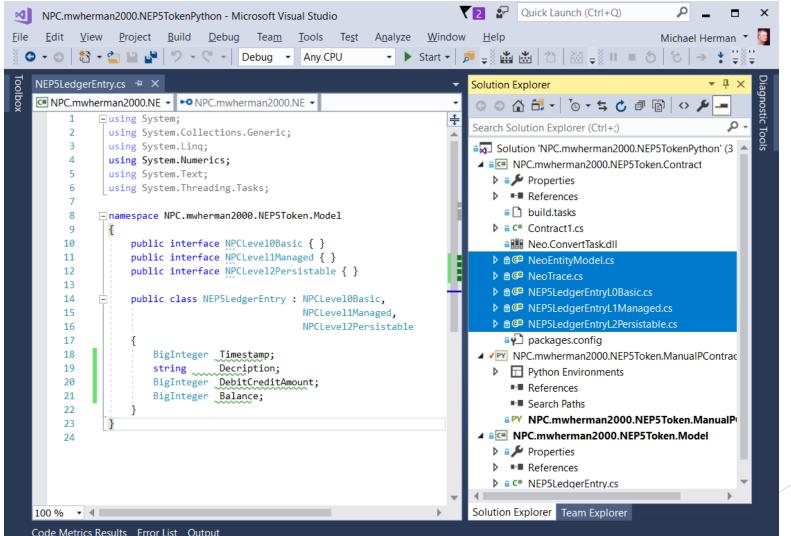
8,9. Create a Python Model projects

NPC.mwherman2000.NEP5Token.ManualPContract
NPC.mwherman2000.NEP5Token.PContract



10. Manually translate/port the C#

from NPC.mwherman2000.NEP5Token.Contract to NPC.mwherman2000.NEP5Token.ManualPContract

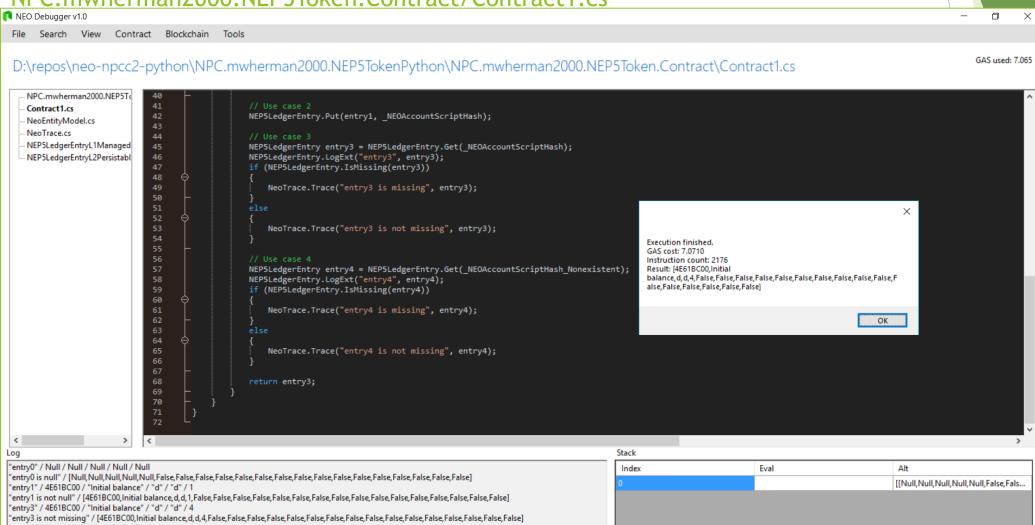


< Translate these 5 C# files

< into this Python project

5 Initial Test Cases for Testing (needs NEO Debugger

https://github.com/mwherman2000/neo-npcc2-python/blob/master/NPC.mwherman2000.NEP5TokenPython/NPC.mwherman2000.NEP5Token.Contract/Contract1.cs



5 Initial Test Cases for Testing (F6 in New Debugger

https://github.com/mwherman2000/neo-npcc2-python/blob/master/NPC.mwherman2000.NEP5TokenPython/NPC.mwherman2000.NEP5Token.Contract/Contract1.cs

Storage	×
Key	Content
849921A919A31F42543A8DC3643FCB9E025F20FF2F234E4550354C6564676572456E7472792E5F535441	3
849921A919A31F42543A8DC3643FCB9E025F20FF2F234E4550354C6564676572456E7472792E54696D657374616D70	12345678
849921A919A31F42543A8DC3643FCB9E025F20FF2F234E4550354C6564676572456E7472792E44656372697074696F6E	526438686511725495785644805507870281
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849921A919A31F42543A8DC3643FCB9E025F20FF2F234E4550354C6564676572456E7472792E42616C616E6365	100

Questions?

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- M: https://www.meetup.com/NEO-Blockchain-Toronto
- F: https://www.facebook.com/neotoronto/
- T: https://www.twitter.com/neotoronto