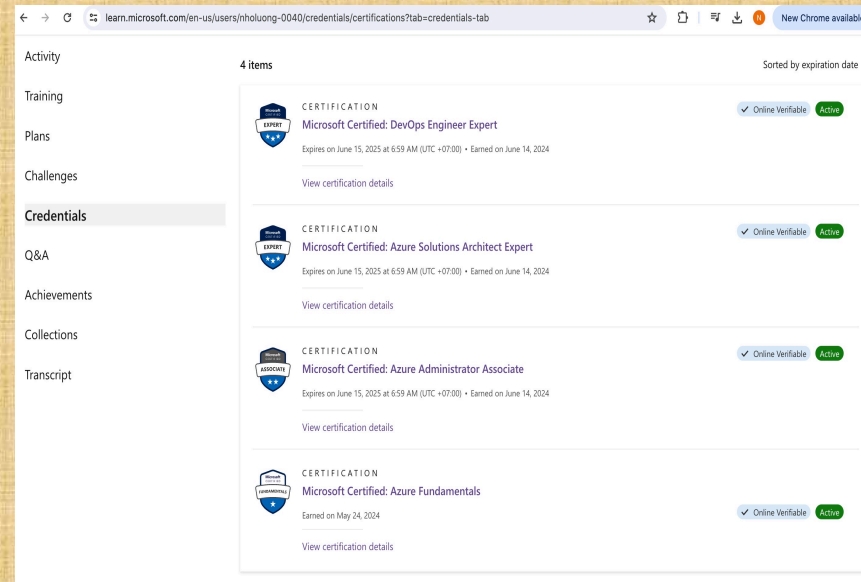
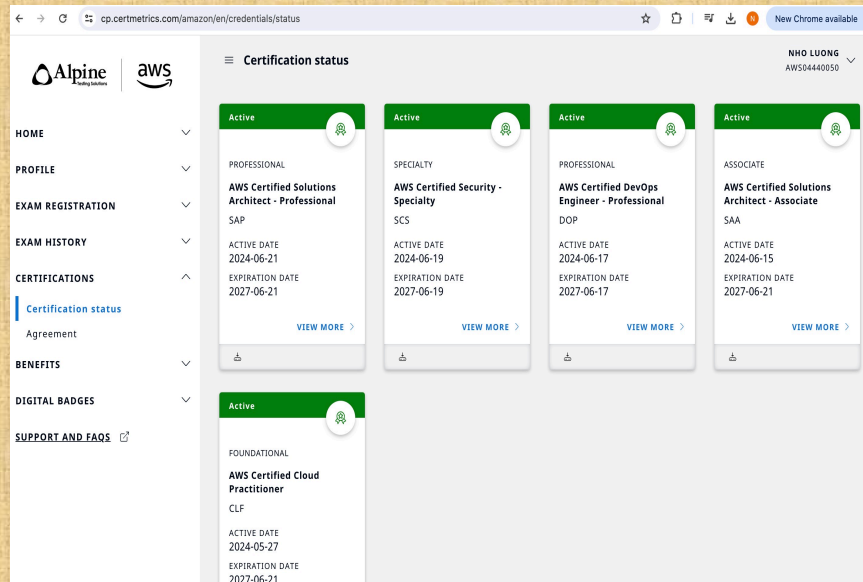


My experiences developing VSTS extensions

Author: Nho Luong

Skill: DevOps Engineer Lead




So what have I been doing?

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★★★★★ FREE



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Run Pester tests without the need to install Pester in with the PMModule folder or in...

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Development Tools


- Visual Studio Code
- Wired F5 to run Pester (launch.json)

```
{  
  "version": "0.2.0",  
  "configurations": [  
    {  
      "name": "PowerShell",  
      "type": "PowerShell",  
      "request": "launch",  
      "program": "${workspaceRoot}/Tests/Invoke-Tests.ps1"  
      // Or to run the current file  
      // "program": "${file}"  
    }  
  ]  
}
```


- GitHub for Source and Issue Tracking
- VSTS for Build and Release

Build Process


 Add build step...




Replace tokens in ****\task.json**
Replace Tokens




Pester Test Runner
Pester Test Runner from Black Marble




Publish Test Results ****/TEST-*.xml**
Publish Test Results




Create Package - Private
Package and Publish VSTS Extension



Create Package - Public
Package and Publish VSTS Extension



Publish Artifact: vsix
Publish Build Artifacts

Create Package - Public 

Publisher ID\$(PackageID)

Extension ID\$(ExtensionID)

Extension Tag

Extension Root\$(ExtensionRoot)

ManifestGlobsvss-extension.json

Output path\$(Build.ArtifactStagingDirectory)\vsix

Enable Publishing☐

Override - Version

Override Extension Version☒

Override Build Task Versions☒

Version\$(Build.BuildNumber)

Pricing ModelUse manifest

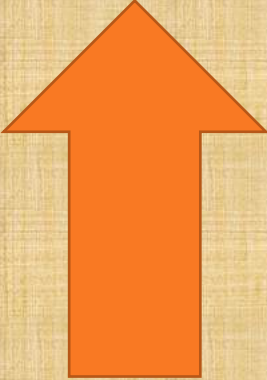
Override VisibilityPublic

Author: Nho Luong
Skill: DevOps Engineer Lead




Release Process

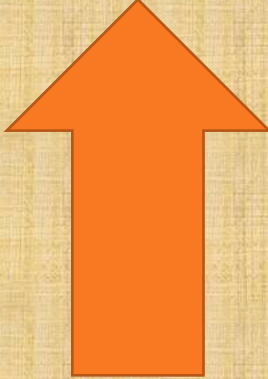
'Private' Environment

'Public' Environment






Run on agent

-  Publish VSTS Extension: \$(System.DefaultWorkingDirectory)/Pe
Publish VSTS Extension
-  Share VSTS Extension: . with: richardfennell
Share VSTS Extension
-  Install VSTS Extension: . to: richardfennell
Install VSTS Extension



Run on agent

-  Publish VSTS Extension: \$(System.DefaultWorkingDirectory)/Pe
Publish VSTS Extension
-  Twitter task
Twitter on build or release
-  Update Build Variable
Set variable on a build definition

CI Trigger

Manual Validation

Summary

- Get your PowerShell working locally as a script first
- Can be effective debugging on the build agent
- Publish of private extensions can still 'stall'
- Remember you cannot delete a public extension



Thank You