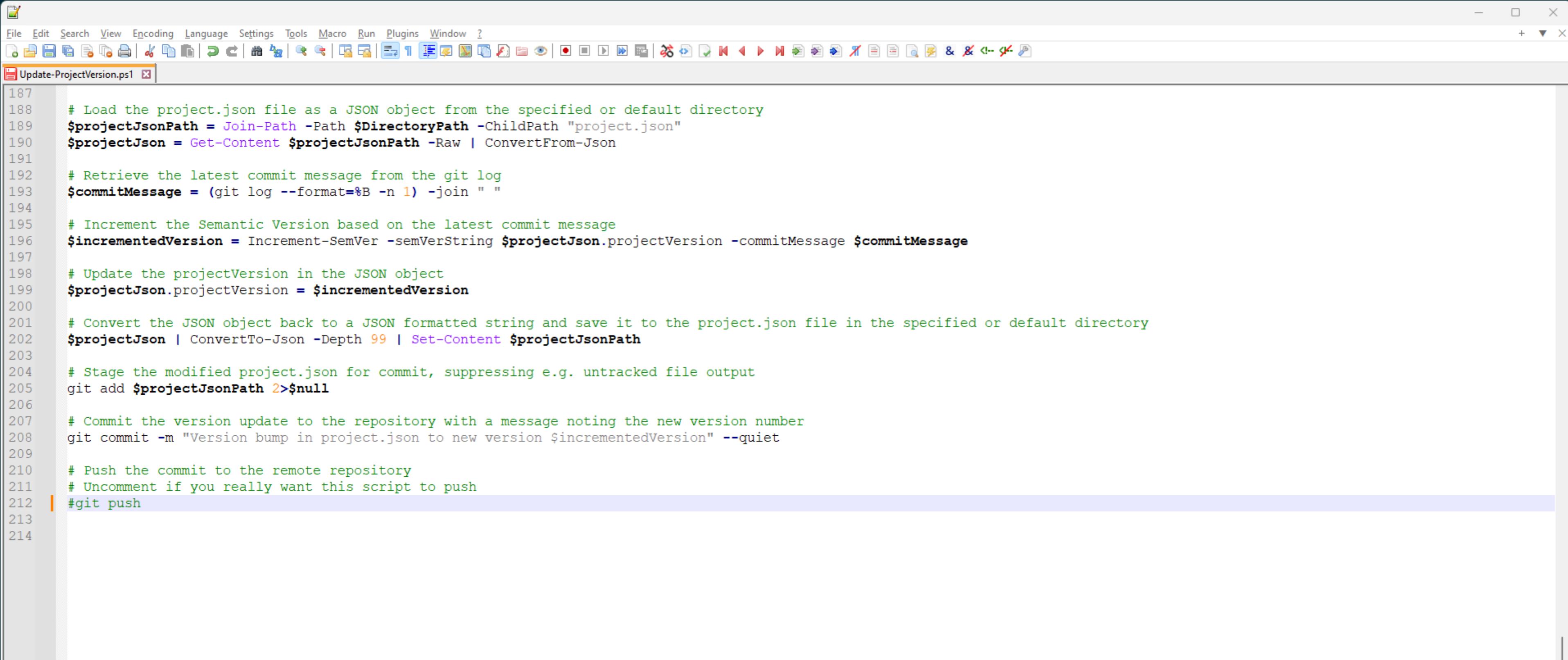


CI/CD pipelines for UiPath RPA projects

Version Increment
Automated project.json Updates



A screenshot of a code editor window titled "Update-ProjectVersion.ps1". The window shows a PowerShell script with line numbers from 187 to 214. The script performs several steps: it loads a project.json file from a specified or default directory, retrieves the latest commit message from the git log, increments the Semantic Version based on the commit message, updates the projectVersion in the JSON object, converts the JSON object back to a string and saves it to the project.json file, stages the modified project.json for commit, commits the version update with a message noting the new version number, and pushes the commit to the remote repository (with a comment to uncomment the push command). The code uses PowerShell cmdlets like Join-Path, Get-Content, ConvertFrom-Json, Increment-SemVer, ConvertTo-Json, Set-Content, git add, git commit, and git push.

```
187
188 # Load the project.json file as a JSON object from the specified or default directory
189 $projectJsonPath = Join-Path -Path $directoryPath -ChildPath "project.json"
190 $projectJson = Get-Content $projectJsonPath -Raw | ConvertFrom-Json
191
192 # Retrieve the latest commit message from the git log
193 $commitMessage = (git log --format=%B -n 1) -join " "
194
195 # Increment the Semantic Version based on the latest commit message
196 $incrementedVersion = Increment-SemVer -semVerString $projectJson.projectVersion -commitMessage $commitMessage
197
198 # Update the projectVersion in the JSON object
199 $projectJson.projectVersion = $incrementedVersion
200
201 # Convert the JSON object back to a JSON formatted string and save it to the project.json file in the specified or default directory
202 $projectJson | ConvertTo-Json -Depth 99 | Set-Content $projectJsonPath
203
204 # Stage the modified project.json for commit, suppressing e.g. untracked file output
205 git add $projectJsonPath 2>$null
206
207 # Commit the version update to the repository with a message noting the new version number
208 git commit -m "Version bump in project.json to new version $incrementedVersion" --quiet
209
210 # Push the commit to the remote repository
211 # Uncomment if you really want this script to push
212 #git push
213
214
```

Culture Change: Use of Git Commit Messages

PowerShell Script for Auto-Update

<https://gist.github.com/cprima/860f63327e05297b510b49acb7cc79ad>

GitHub Gist Search... All gists Back to GitHub

cprima / README.md Secret Last active now

Code Revisions 2

Unsubscribe Edit Delete Star 0

Embed <script src="https://g

PowerShell Script for Auto-Updating UiPath RPA projects' projectVersion in project.json via Git Commits

README.md Raw

UiPath RPA project automated projectVersion increments based on last Git commit message

Overview

`Update-ProjectVersion.ps1` is a PowerShell script designed to automate the updating of the `projectVersion` in a UiPath RPA project's `project.json` file based on the latest Git commit message. This script utilizes Semantic Versioning (SemVer) rules to increment version numbers appropriately, handling major, minor, and patch updates along with optional pre-release and build metadata.

Features

- Automatic Version Increment: Based on the type of changes logged in Git commit messages, the script decides whether to increment the major, minor, or patch version.
- Full SemVer Support: Supports full Semantic Versioning, including pre-release versions and build metadata.

Full Script as a GitHub Gist

HOME DESIGN DEBUG

Cut Undo

New Save Export As Paste

Manage Packages Manage Entities Test Manager

App/Web Recorder Computer Vision User Events Table Extraction UI Explorer Remove Unused

Analyze File Export to Excel Publish

FrozenChlorine - UiPath Studio Community

Project

Search project (Ctrl+Alt+P)

FrozenChlorine

- Dependencies (Windows)
- Entities
- Templates
- Objects
- Test Data
- Data
- Documentation
- Framework
- Process
- RnD
- Scripts
- Tests
- .gitattributes
- .gitignore
- AUTHORS.md
- LICENCE.md
- PathKeeper.xaml
- project.json
- StandardCalculator.xaml

Test Explorer

Search files (Ctrl+Alt+T)

ParseTermToList

- TestCase_Unit_ParseTermToList (4)

PathKeeper

- TestCase_PathKeeper

StandardCalculator

- TestCase_EndToEnd_StandardCalculator...
- AdditionOf2Terms
- ClickListOfCharacters
- CloseAllApplications
- InitAllApplications
- InitAllSettings
- Initialization
- KillAllProcesses
- ResetCalculator
- RnD_gitkeep
- RnD_StringContainsNegate
- Teardown

Test Results Activity Cov... Descriptor C...

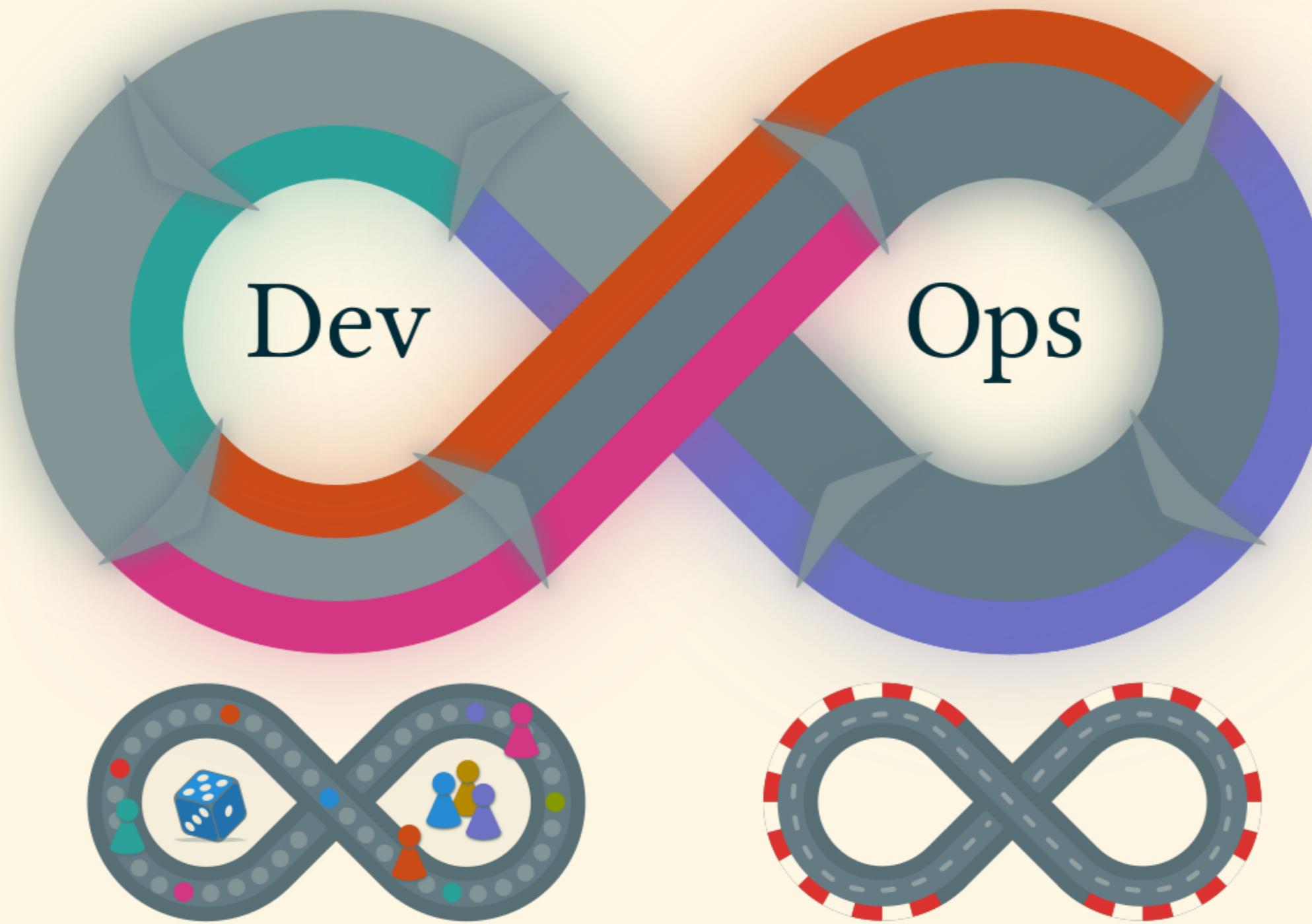
Test Summary

- Total: 10
- Passed: 0
- Failed: 0

The screenshot shows the UiPath Studio Community interface. A large orange arrow points upwards from the bottom left towards the "Publish" button in the top ribbon. The ribbon includes tabs for HOME, DESIGN, and DEBUG, along with various icons for file operations like New, Save, and Publish. The left sidebar displays the project structure for "FrozenChlorine" with items like Dependencies (Windows), Entities, and StandardCalculator.xaml selected. The right sidebar shows the Test Explorer with several test cases listed under ParseTermToList, PathKeeper, and StandardCalculator. At the bottom, a Test Results section shows a summary with 10 total tests, 0 passed, and 0 failed.

CI/CE Pipelines make "Publish" obsolete

Don't gamble towards releases



Next steps

build package(s) in PowerShell
automated builds after each `git push`