VSPAT Versioning Process

Instructions on changing minor and major versions of VSPAT source code.

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| --- | --- | --- | --- |
|  | From Version | To Version | Migration Type |
| Updated for version | 1.2.19.0 | 1.3.20.0 | Minor |

# Minor Versioning Process

## VSPAT (e.g. Runtime, Authoring, HandsOnLabs)

1. Uninstall all VSPAT extensions from Extension Manager. Recycle VS.
2. Uninstall all VSPAT extensions from Extension Manager in Experimental Instance. Recycle VS Experimental.
3. **Open** solution **Runtime.sln**
4. Update version numbers in **Runtime.Versioning\MasterVersion.ttinclude**
5. **‘Transform Text Templates’** for whole solution **twice**
   1. **Two passes are needed** to ensure any \*.ttincludes that are generated are then used for downstream \*.tt’s.
   2. **Search the output window for the word ‘failed’** on each pass, to ensure no transform failed.
6. **‘Clean’** the solution
7. **Close** the Solution
8. **Delete** all **‘bin’, ‘obj’ and ‘TestResults’** directories under solution.
9. **Find All Files** in **$BranchName/src/Runtime** for: 1.2.19.0 to verify replacement.
10. **Manually resolve** all instances of the version number, in the following files:
    1. Such as in \*.sln file
    2. Such as in \*.slnbldr file
    3. Such as in the \*.psess file
    4. Such as in GuidanceWorkflow.cs
11. **Open** the solution.
12. **Rebuild** the solution.
13. **Close** Visual Studio.
14. **Find All Files** in **$BranchName/src/Authoring** for: 1.2.19.0.
15. **Manually resolve** all instances of the version number, in the following files:
    1. Authoring.sln
    2. Authoring.slnbldr
16. **Open** solution **Authoring.sln**
17. **‘Transform Text Templates’** for whole solution **twice**
    1. **Two passes are needed** to ensure any \*.ttincludes that are generated are then used for downstream \*.tt’s.
    2. **Search the output window for the word ‘failed’** on each pass, to ensure no transform failed.
    3. **AutomationLibraryToolkit.tt does not transform** in this cycle correctly, because it needs the Builder Toolkit to be installed. **Undo the checkout on this file**.
18. **Restart** Visual Studio.
    1. This reloads the cached targets files currently being pointing to wrong version number.
19. **Open** solution **Authoring.sln**
20. **‘Clean’** the solution
21. **Rebuild** the solution.
22. **Close** Visual Studio
23. **Install** the **PatternToolkitBuilder.vsix**
24. **Open** solution **Authoring.sln**
25. **‘Transform Text Templates’** for whole solution
    1. This updates the **AutomationLibraryToolkit.tt** template
26. **‘Clean’** the solution
27. **Rebuild** solution
    1. This transforms all generated code in the solution (Presuming: TransformOnBuild = true for all pattern toolkits. If not, manually ‘Transform Templates’ on all elements in Solution Builder window)
28. **Find All Files** in **$BranchName/src/Authoring** for: 1.2.19.0 to verify replacement.
29. **Manually resolve** all instances of the version number, in the following files:
    1. Such as in GuidanceWorkflow.cs
    2. Such as in the GeneratedCode\HandsOnLabs\\*.\*
30. **‘Clean’** the solution
31. **Rebuild** solution
32. **Uninstall** the Authoring.vsix, Library.vsix, Runtime.vsix in Extension Manager
33. **Find All Files** in **$BranchName/src** for: 1.2.19.0 to verify replacement.
34. **Close** Visual Studio.
35. **Install** the **PatternToolkitBuilder.vsix** into VS