

# Let's Ship This Thing! 🚀

By: Gary Ewan Park

# Slides

<https://gep13.me/ShipltSlides>



# Code

<https://gep13.me/ShipltCode>

# Agenda

- What is Semantic Versioning?
- What branching strategy should I use?
- What is GitVersion?
- Why do I need GitVersion?
- What is GitReleaseManager?
- Putting it all together...

Q

# What is Semantic Versioning?

A

**“...a simple set of rules and requirements that dictate how version numbers are assigned and incremented. These rules are based on, but not necessarily limited to, pre-existing widespread common practices in use in both closed and open-source software.**

# The Rules

Given a version number MAJOR.MINOR.PATCH, increment the:

- MAJOR version when you make incompatible API changes
- MINOR version when you add functionality in a backwards-compatible manner
- PATCH version when you make backwards-compatible bug fixes

Additional labels for pre-release and build metadata are available as extensions to the MAJOR.MINOR.PATCH format.

# Examples

- 0.1.0
- 0.3.13
- 1.0.0
- 0.2.0-unstable3
- 0.2.0-unstable.3+Branch.develop.Sha.e6eb071cd30974b80d7e237b85e7729a1d791e1e



Q

**What  
branching strategy  
should I use?**

Q. What branching strategy should I use?

A

**It depends!**

Q

What is  
**GitVersion?**

Q. What is GitVersion?

A

**“...a tool to help you achieve  
Semantic Versioning on your project.”**

**Ok, but really what is it?**

Q

**Why do I need  
GitVersion?**

Q. Why do I need GitVersion?

A

**To make version assertion  
reliable and consistent**

Q

What is  
**GitReleaseManager?**



Q. What is GitReleaseManager?

A

**“ a tool that will help create a set of release notes for your application/product. It does this using the collection of issues which are stored on the GitHub Issue Tracker for your application/product.**

**Ok, but really what is it?**

**Putting is all together...**

# Demo

# Questions

**Feel free to get in touch**

**Email: [gep13@gep13.co.uk](mailto:gep13@gep13.co.uk)**

**Twitter: @gep13**

**Web: <https://gep13.co.uk>**



# Gary Ewan Park

## Principal Software Engineer Chocolatey Software, Inc

 Twitter: @gep13

 Mastodon:

 LinkedIn:

 Blog: <https://gep13.co.uk>

 GitHub: [gep13](https://github.com/gep13)

# Learn More

- GitVersion Documentation
  - <https://gitversion.net/docs/>
- GitReleaseManager Documentation
  - <https://gittools.github.io/GitReleaseManager/docs/>
- .Net Rocks Episode with Jake Ginnivan
  - <https://www.dotnetrocks.com/default.aspx?showNum=1178>
- Git Branching Strategies
  - <https://www.atlassian.com/git/tutorials/comparing-workflows>
- GitFlow
  - <https://nvie.com/posts/a-successful-git-branching-model/>