Scientist.NET

Bangkok .NET Meetup 2016-03-29



A library for carefully refactoring critical paths

from GitHub



The Problem

How do we refactor important code in production?

How do we know the new code does the same thing?

Unit tests get us most of the way there



Introducing... Scientist.NET!

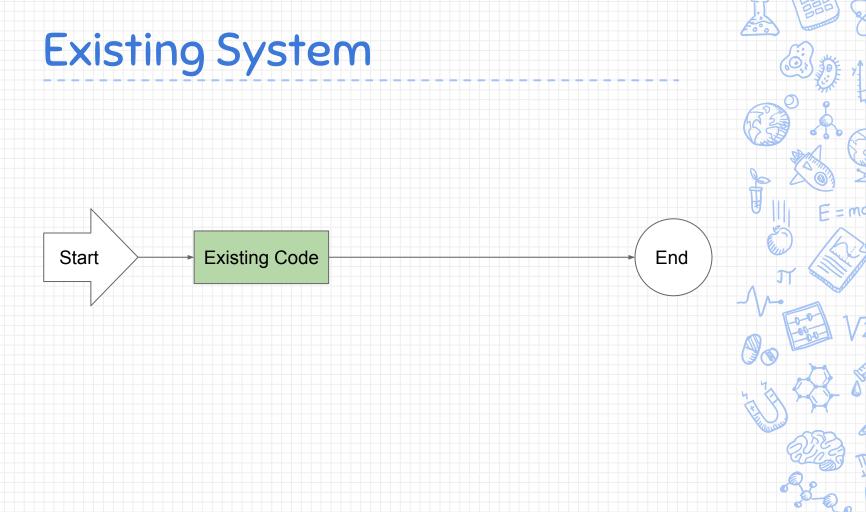
Originally an open-source Ruby library from GitHub

.NET port was announced in January 2016

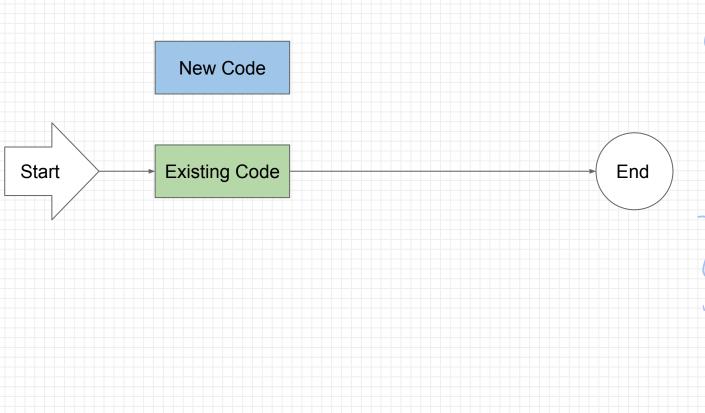
Suuuuuuper-alpha.

We're not using it production ...yet?



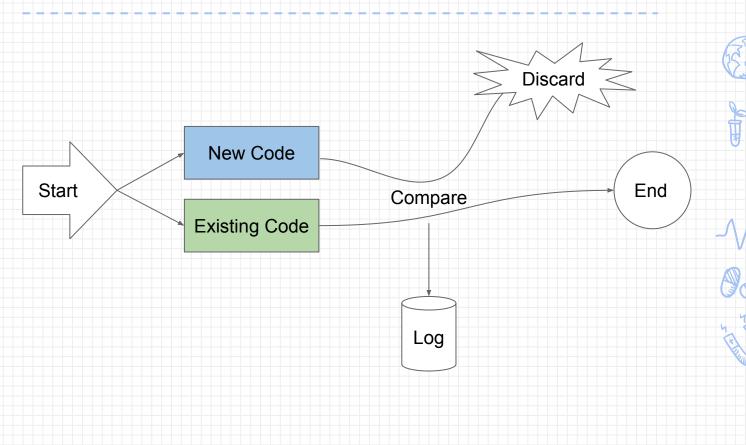


Develop replacement





Add Scientist.NET!





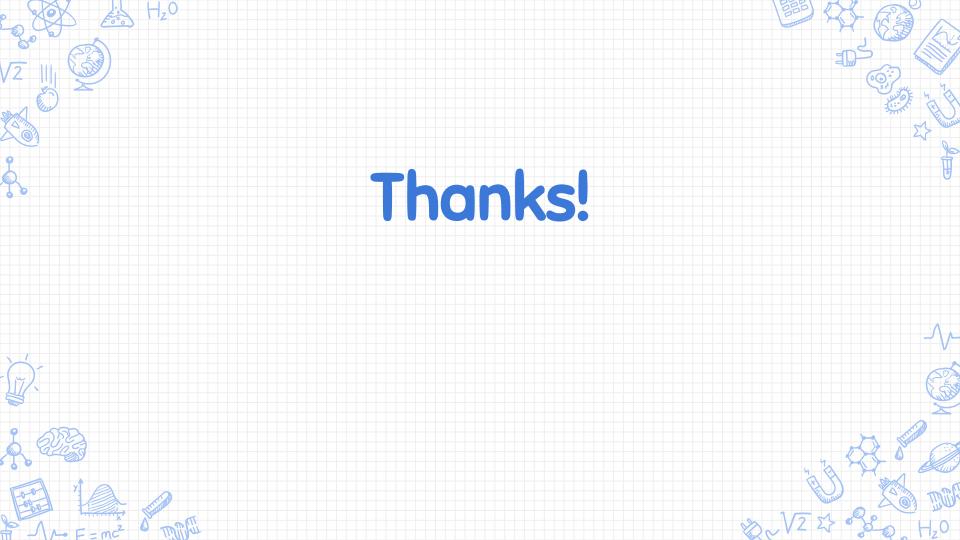
When to use

Code must be free of side-effects

GitHub used the Ruby version for:

- Pull Request merge algorithm refactor
- Permission-code refactor
- Optimizing database queries





More information

https://github.com/Haacked/Scientist.net

http://haacked.com/archive/2016/01/20/scientist/

http://githubengineering.com/scientist/

