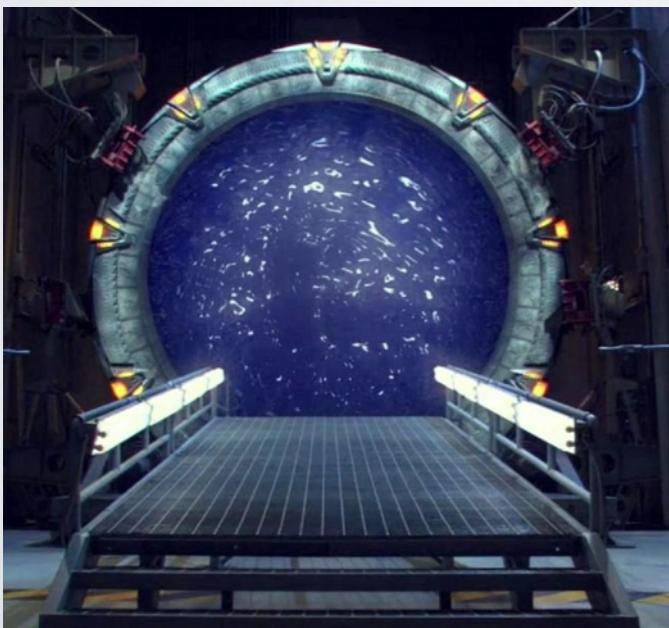
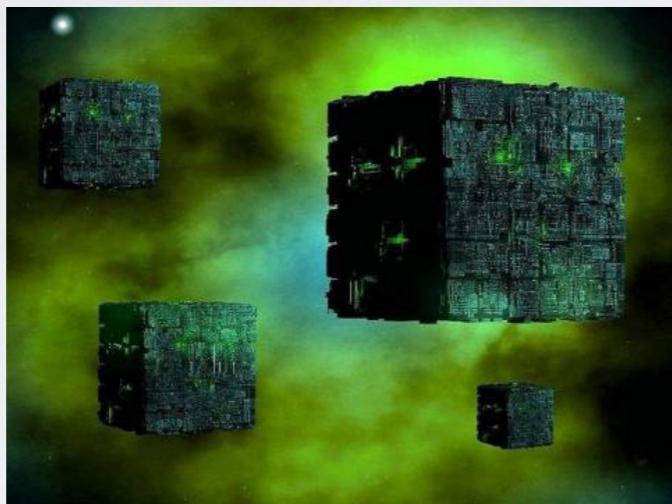
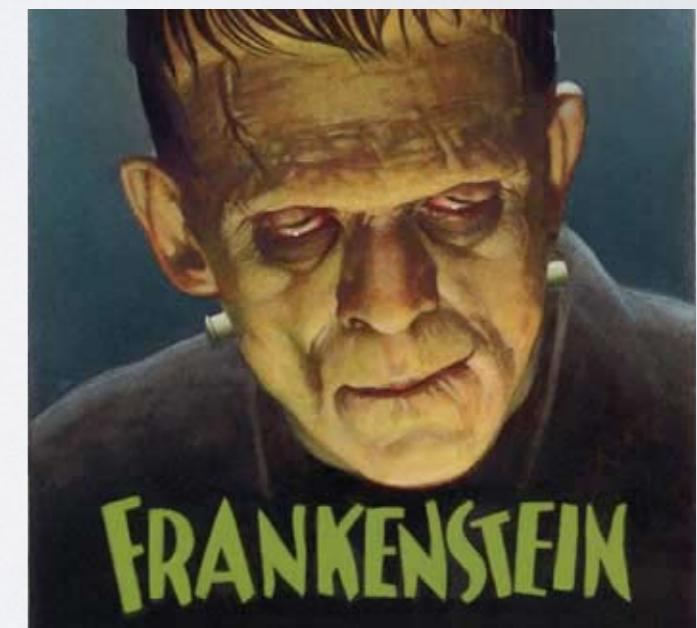


LESSONS ABOUT DEVOPS FROM SCIENCE FICTION



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WHOAMI

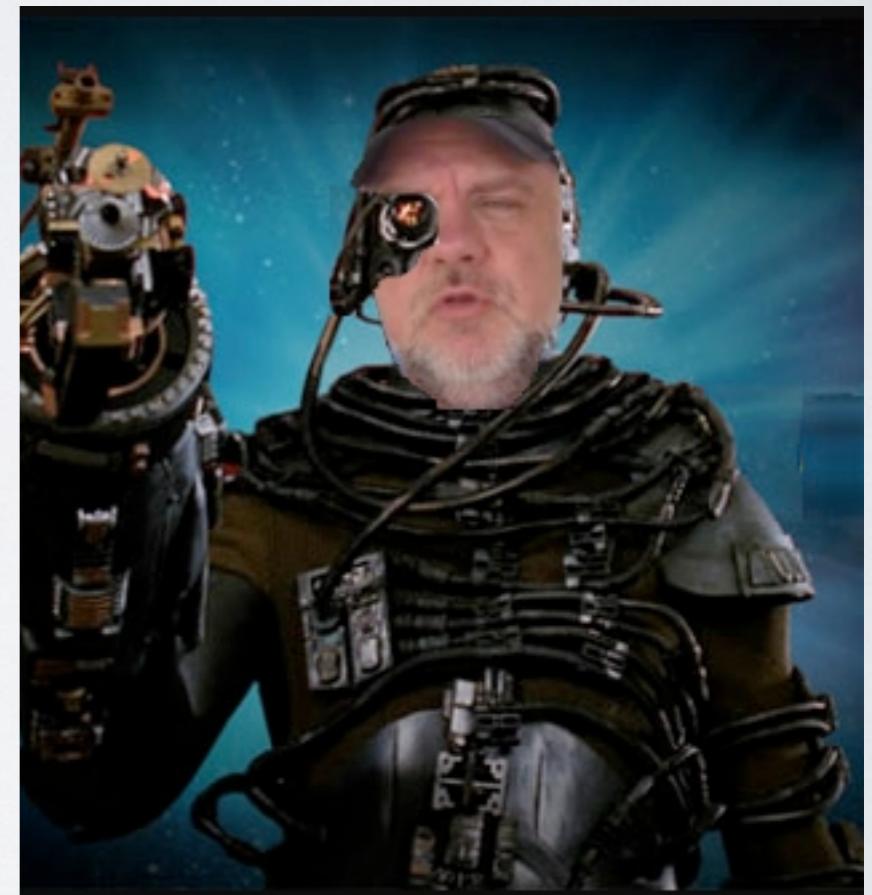
- Geek, traveler, reader
- Recovered sys admin, community & open source
- Read 73 books last year, mostly sci-fi / fantasy
- I keep a list:
<http://fastwonderblog.com/about/reading/>



Photos by [Josh Bancroft](#), [Don Park](#)

OVERVIEW

- **Culture:** people, process
- **Automation:** tools, growth, risk
- **Measurement:** monitor & improve
- **Sharing:** control, mentoring



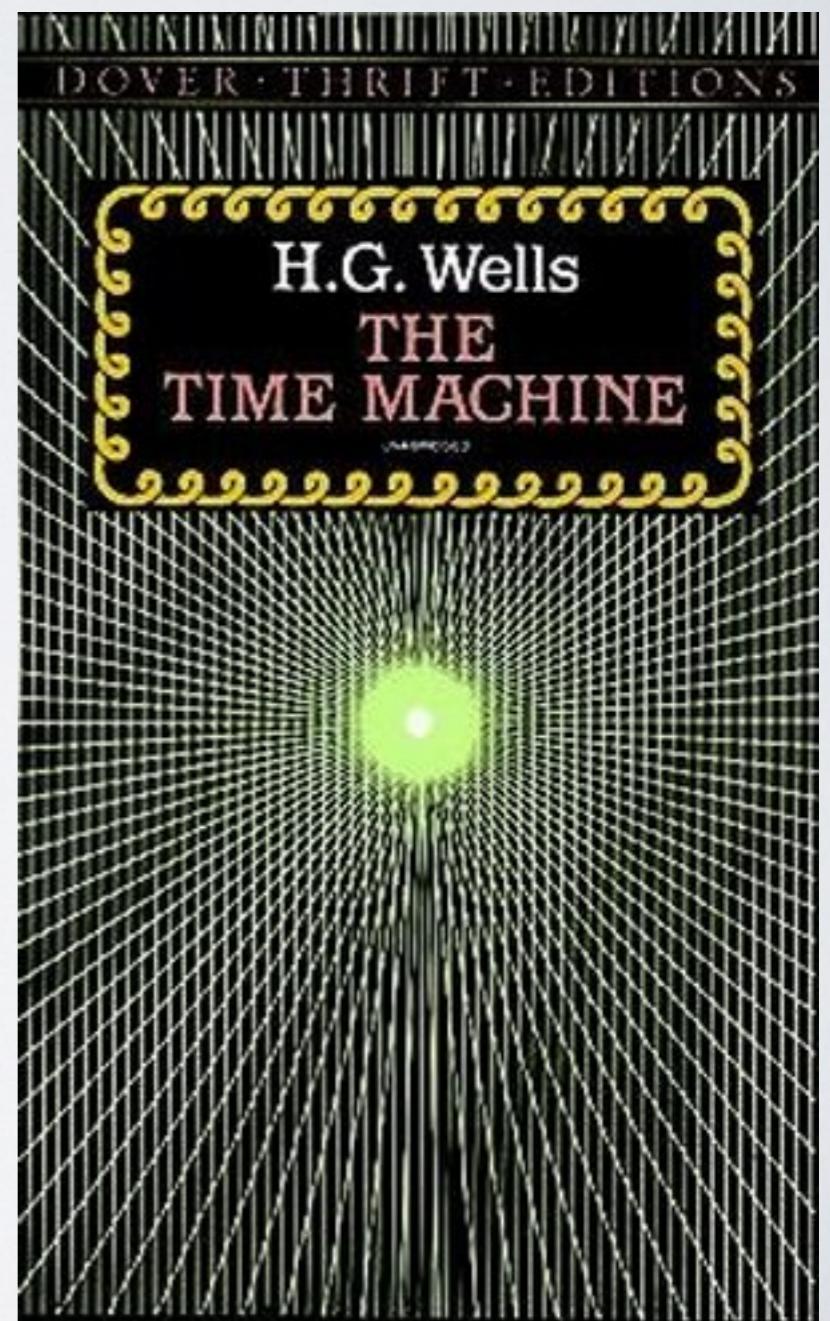
ALL ABOUT THE PEOPLE

The Doctor and companions work together like Ops & Devs



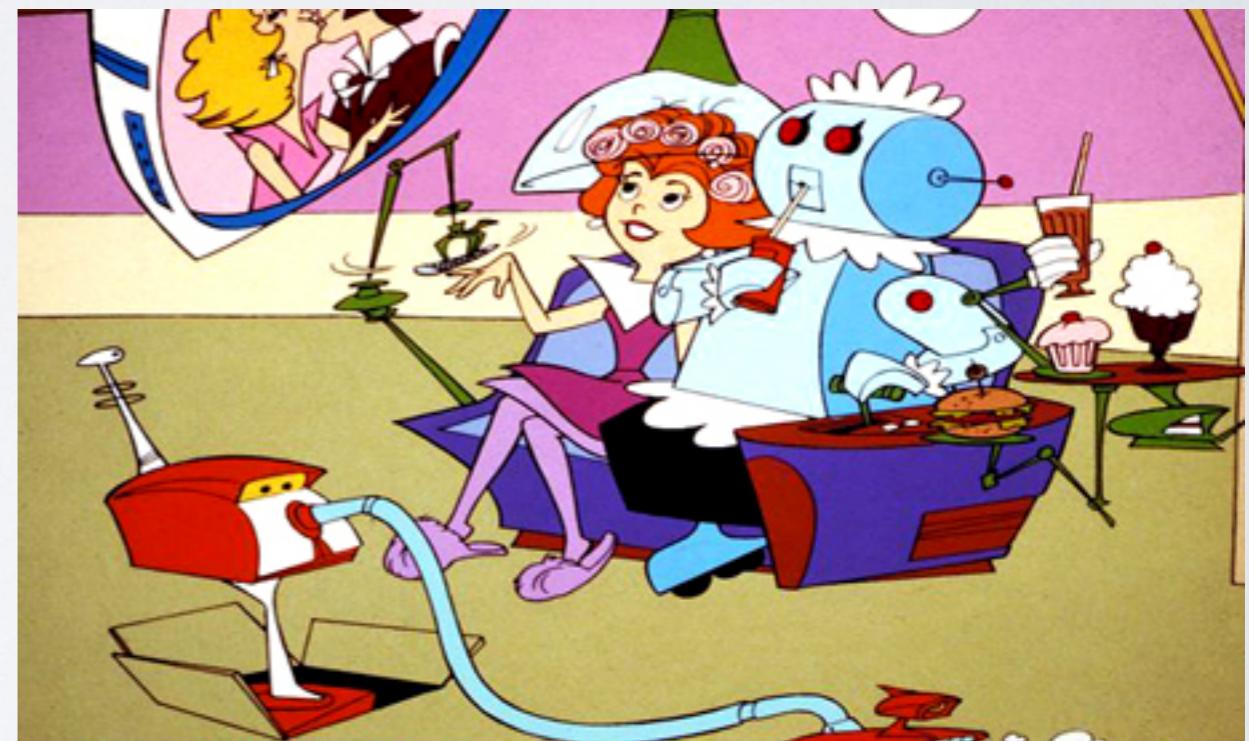
ONE STEP AT A TIME

Understand changes,
take one step at a time, and
have solid processes.



AUTOMATE ALL THE THINGS

Automate the tedious
tasks and have time
for the fun stuff



DELEGATE TO MINIONS

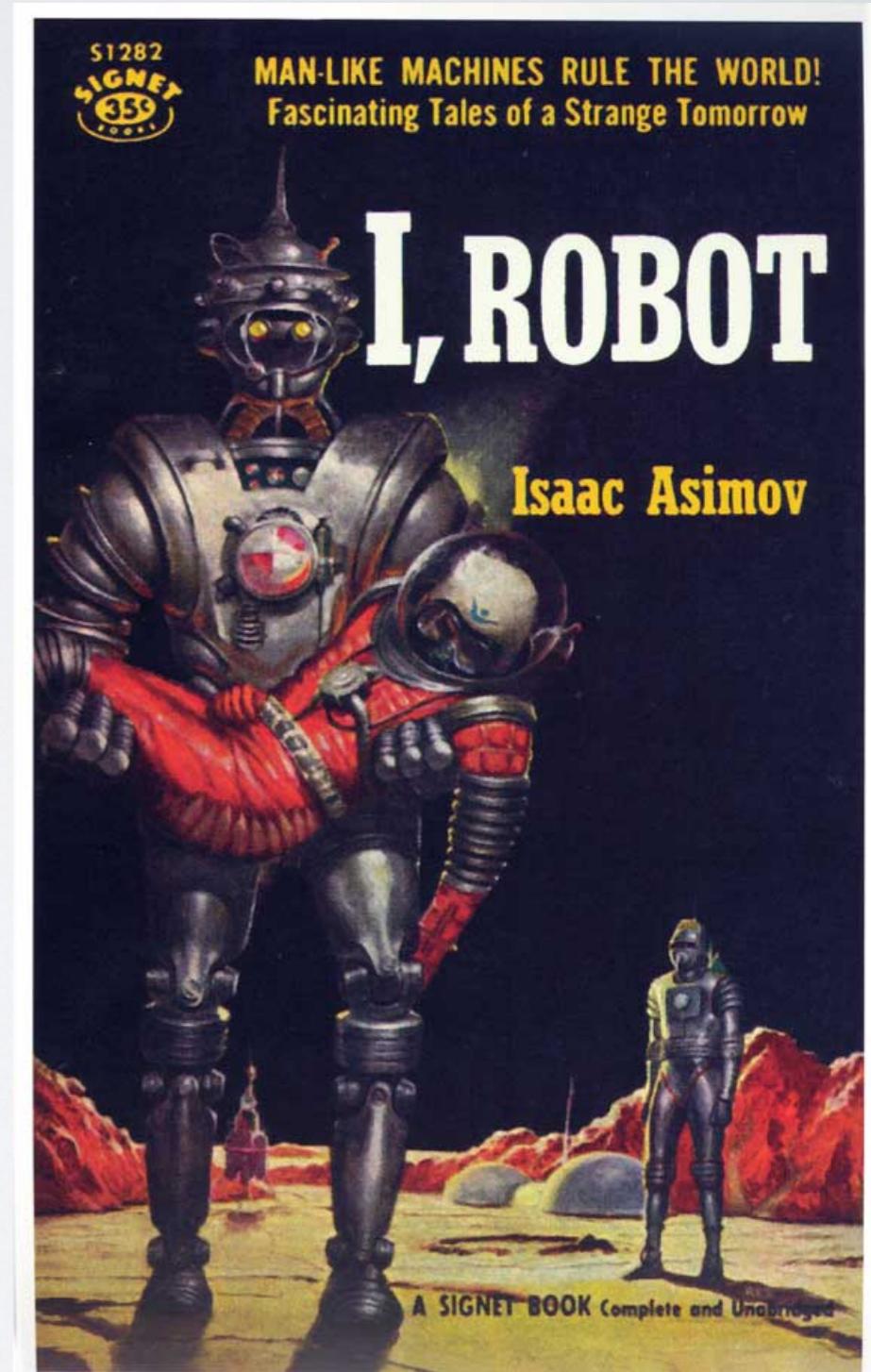
Delegate the grunt work
to automation tools,
not minions



Thanks to Dave Zwieback aka @mindweather for suggesting a Gru and the minions reference.

LAWS OF ROBOTICS

Use config management
systems with rules to control
infrastructure behavior



GROWTH & AUTOMATION

Use automation and configuration management tools to spin up large numbers of systems



REDSHIRTS ARE EXPENDABLE

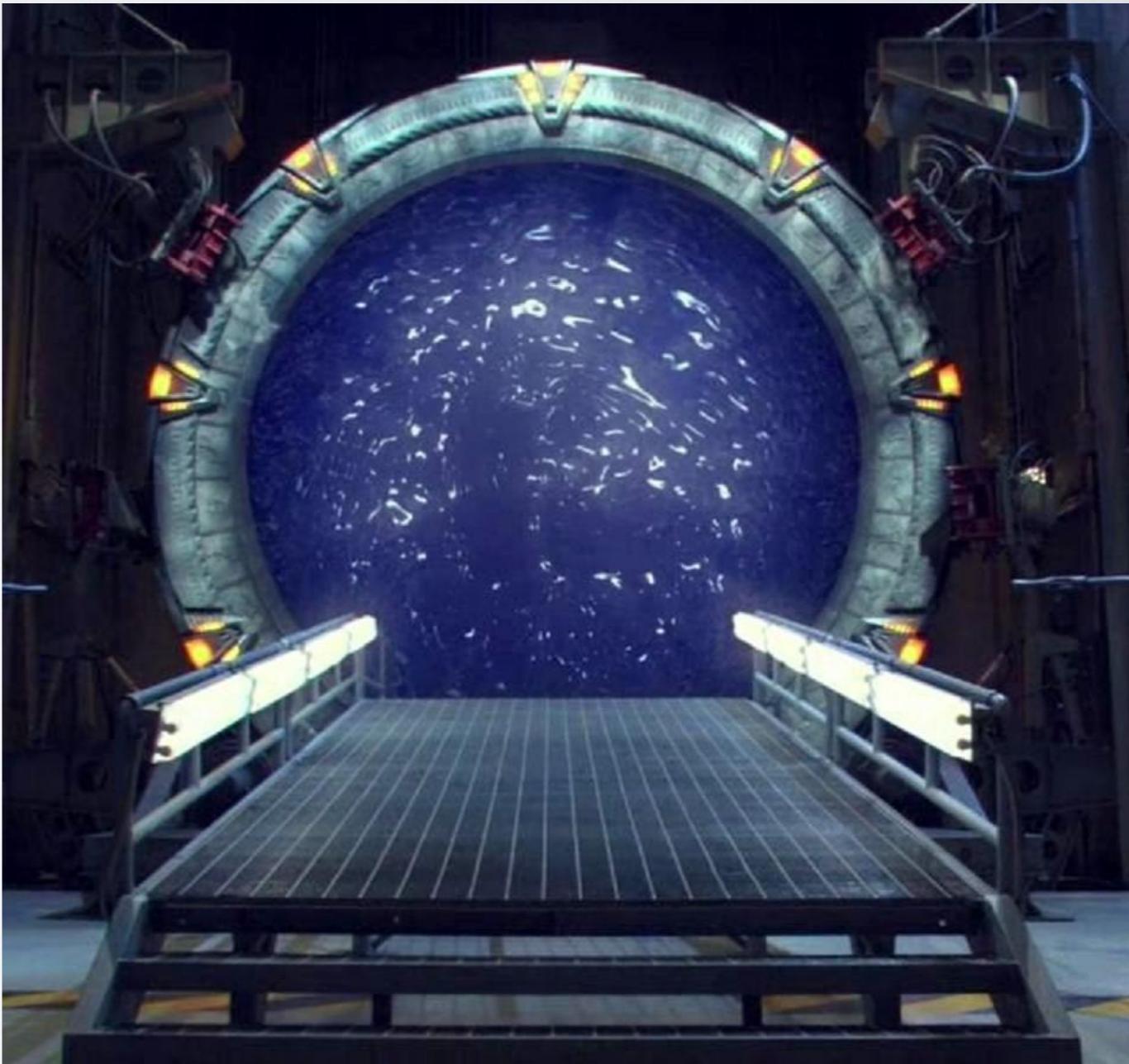
Treat your servers
like redshirts



Side note: read John Scalzi's 'Redshirts'

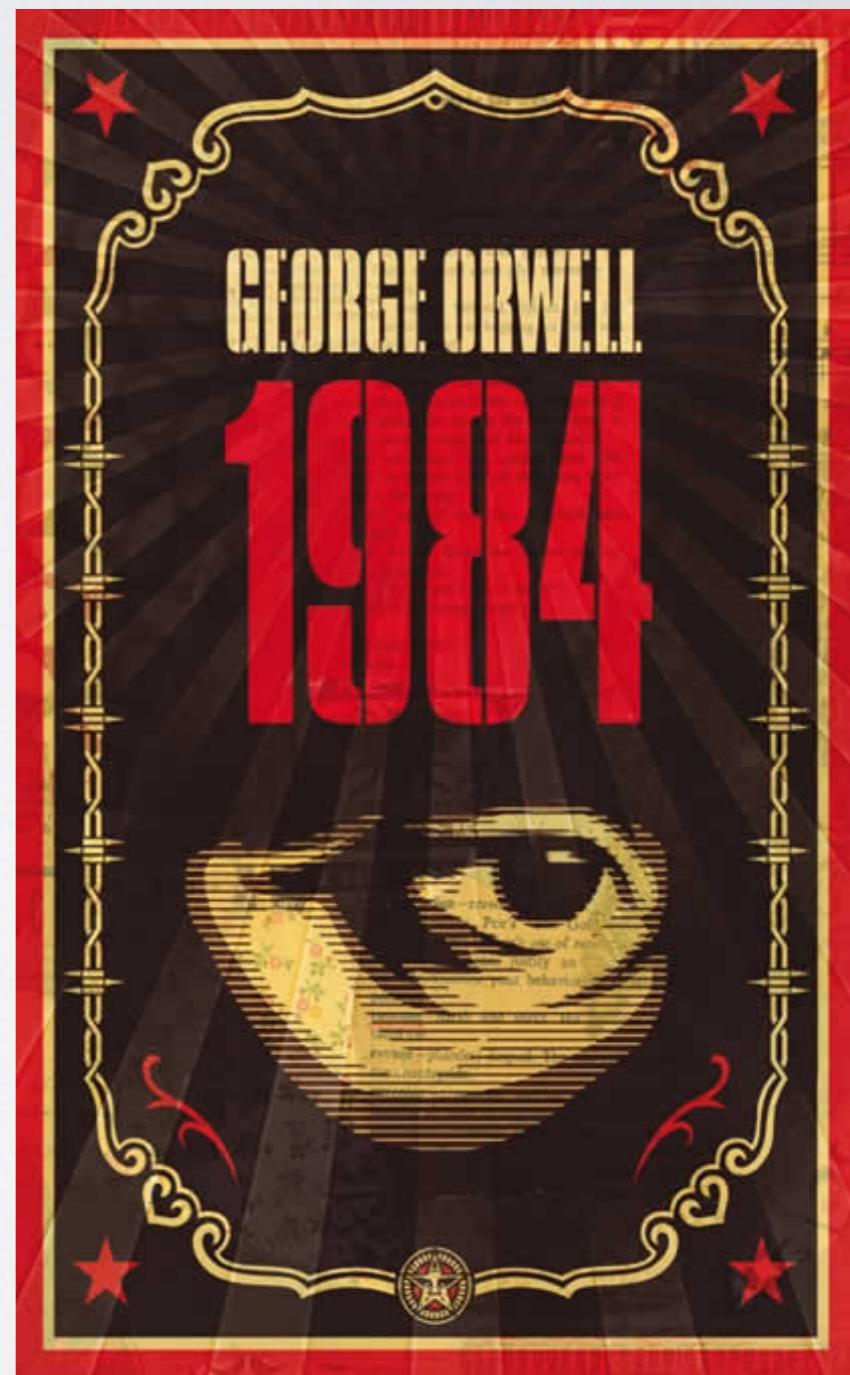
“EVERYTHING WE DO OUT HERE IS A RISK!”

Automate tasks to
reduce risk



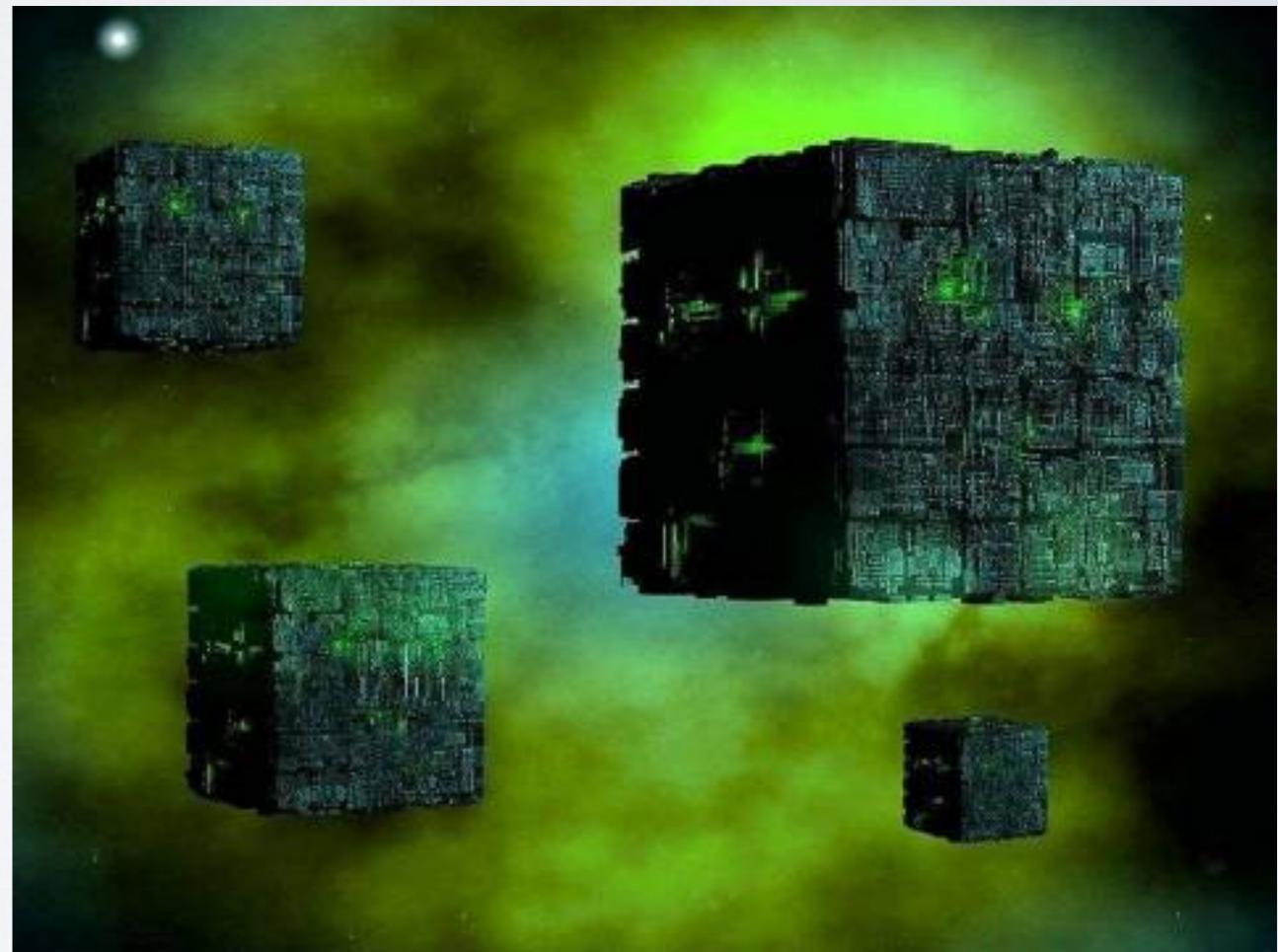
MONITOR AND MEASURE

Monitor and measure as much as
possible to track progress for
performance, processes & people



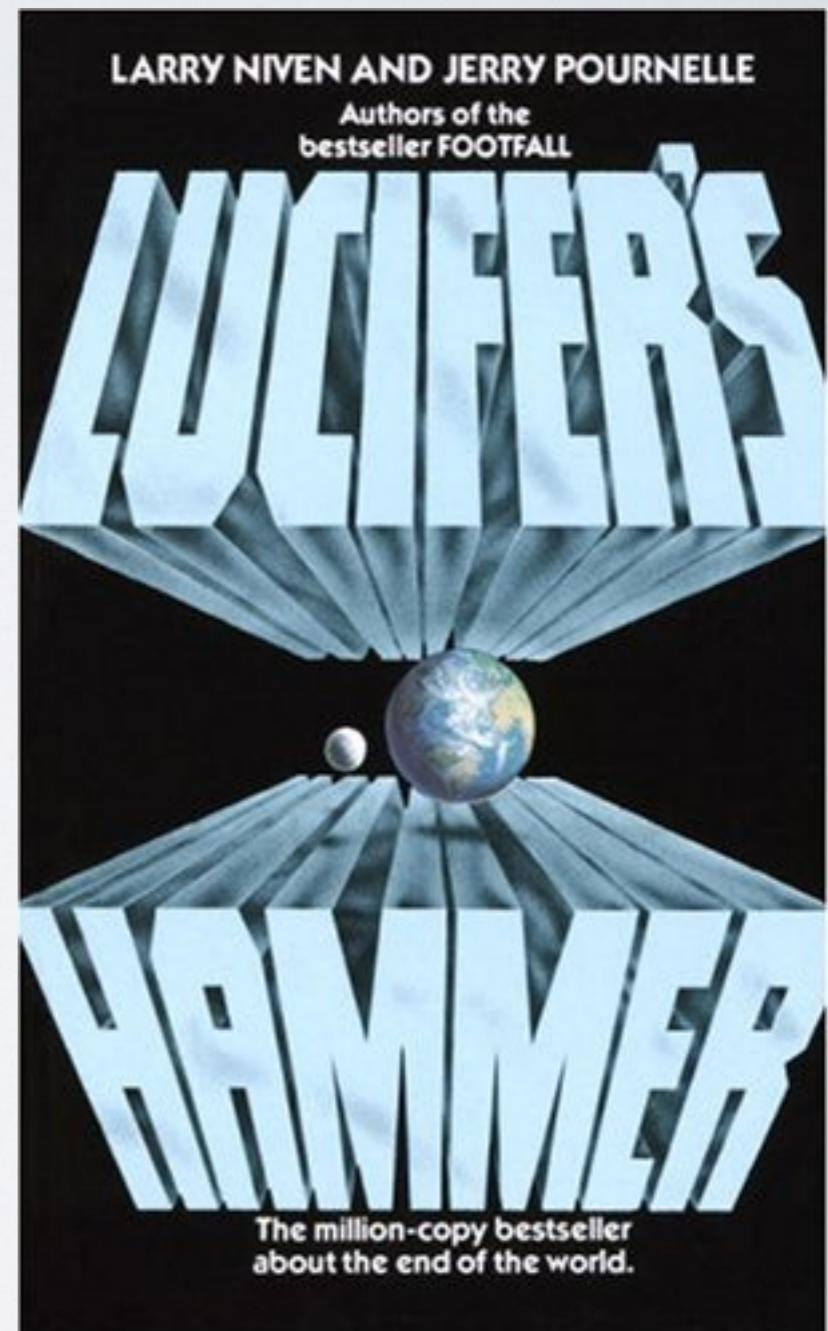
CONTINUOUS IMPROVEMENT

Improve by assimilating
useful technologies into
your collective



SHARE AND IMPROVE

Share new ideas, information,
problems, and stories with a
focus on continuous improvement.



CONTROL ISSUES

Work together as equals,

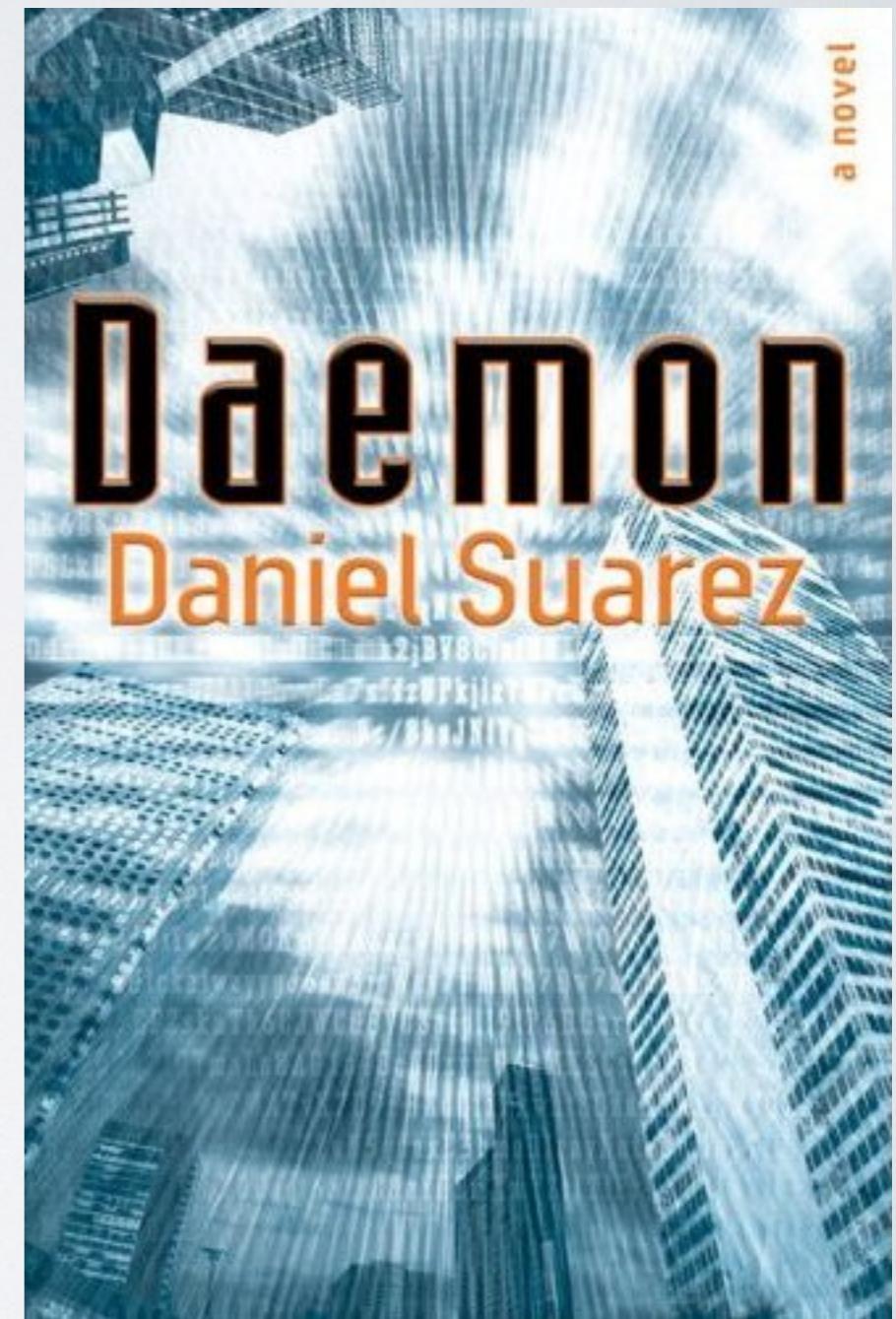
give up control and

share responsibility



INCIDENT RESPONSE

More people with more access
means that you may need to
adjust how you respond to incidents



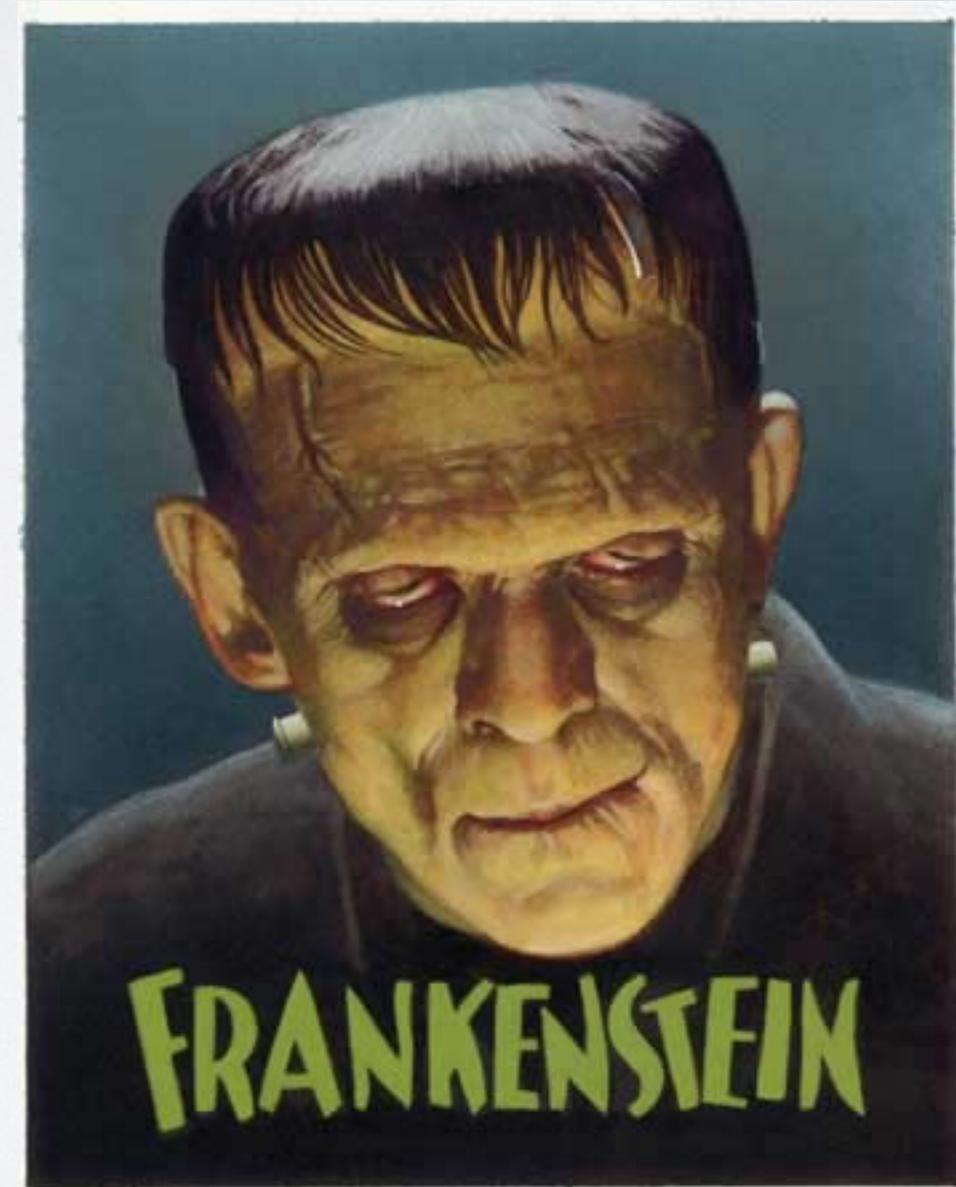
DON'T CREATE MONSTERS

Create a culture where

developers & ops

avoid short cuts that create

new infrastructure monsters



MENTORING

Train the next generation
and help others succeed



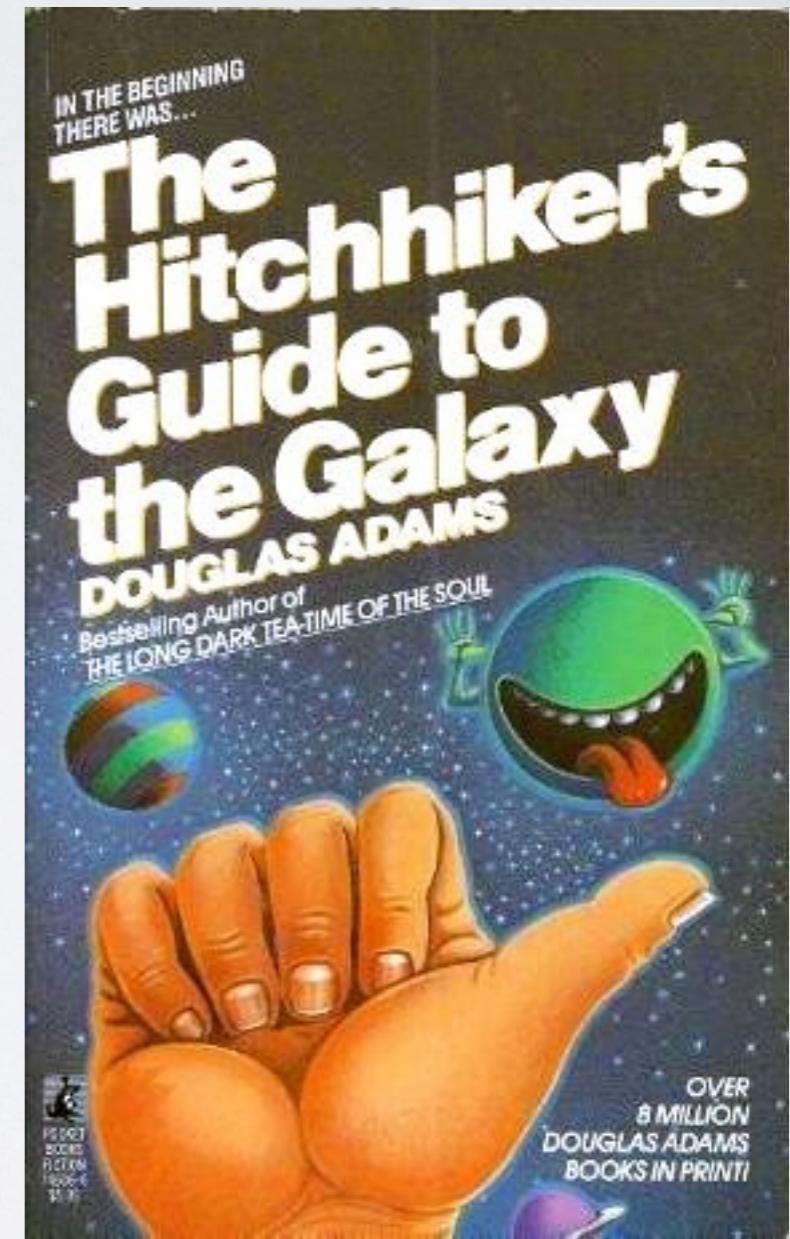
STRONG WOMEN

Encourage women in
our field and get them
speaking at our events

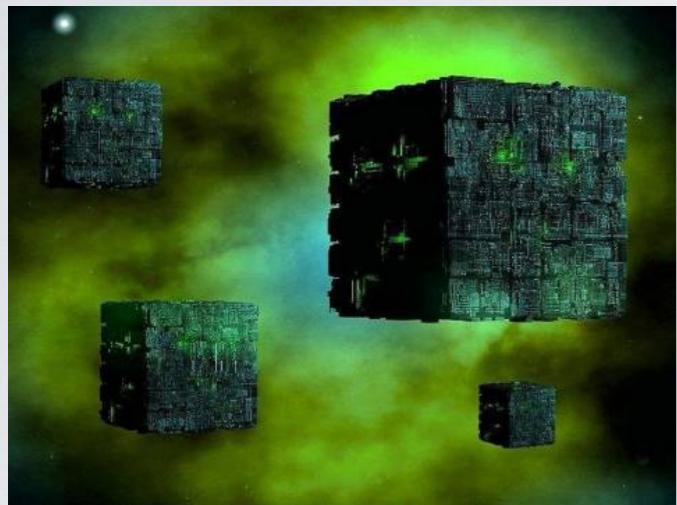


DON'T PANIC

Things will go wrong
keep things in perspective
calmly recover



THANK YOU



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