Devops - What is it, and Why Should I care?
Yak Shaving

This slide is its own yak shaving. META!

In that before I can explain Devops I have to explain yak shaving.

*Note: jokes aren’t funny if you have to explain them.
Devops \_(ツ)_/\n
- A portmanteau of Development and Operations.
- Dev and Ops. Dev some Ops. Maybe op some devs just to be sure. Seems simple.
Tools!

These are the fun parts to play with!
Developers doing Sysadmin work
Collaboration between Development and Operations Teams

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3 Ways
Look at the whole system

Emphasize the performance of the system
Never pass defects downstream
Always seek to increase the flow of the process
Increase feedback loops

Embed expertise where needed
Shorten feedback times
Constantly make corrections
Continual Experimentation

Continual experimentation
Allow and embrace failure as a learning opportunity
Repetition and practice are a pre-requisite to mastery
All the yaks have been shaved - let me sum up

- Tools - configuration management, source control, version control.
- Cross job training and learning. Operations learning developers jobs.
- Tight collaboration between teams. Removal of barriers of communication.
- Understanding a process from start to finish, whether it’s an individual workflow or a institution spanning workflow.
- A small repeatable process that can be iterated on.
- A culture of experimentation with permission to learn from failures.
- Change is happening in your organization.
- People.
Links of importance


✦ Patrick DeBois’ 2010 post outlining the problem DevOps is trying to solve. - http://www.jedi.be/blog/2010/02/12/what-is-this-devops-thing-anyway/

✦ Ops it’s everyone’s job now - https://opensource.com/article/17/7/state-systems-administration

✦ DevOps Transformation using Theory of Constraints - https://blog.devopspro.co.uk/devops-theory-of-constraints-cf1477f9bd1a


✦ A CIO’s guide to Devops - https://puppet.com/resources/ebook/cio-guide-to-devops

✦ The Phoenix Project - Gene Kim