Vintage Computer Committee

dmsvintagecomputers.com

LEARN
MAKE
INSPIRE

www.dallasmakerspace.org

- 501(c)(3) non-profit, shared community workshop and laboratory

- an organized group of local artists, engineers, technologist, makers, and thinkers

- Collaboratively work to provide tools and learning resources to the public

- VCC Computer Committee provide project based learning programs from hardware, software, networking for improving skills with technology.
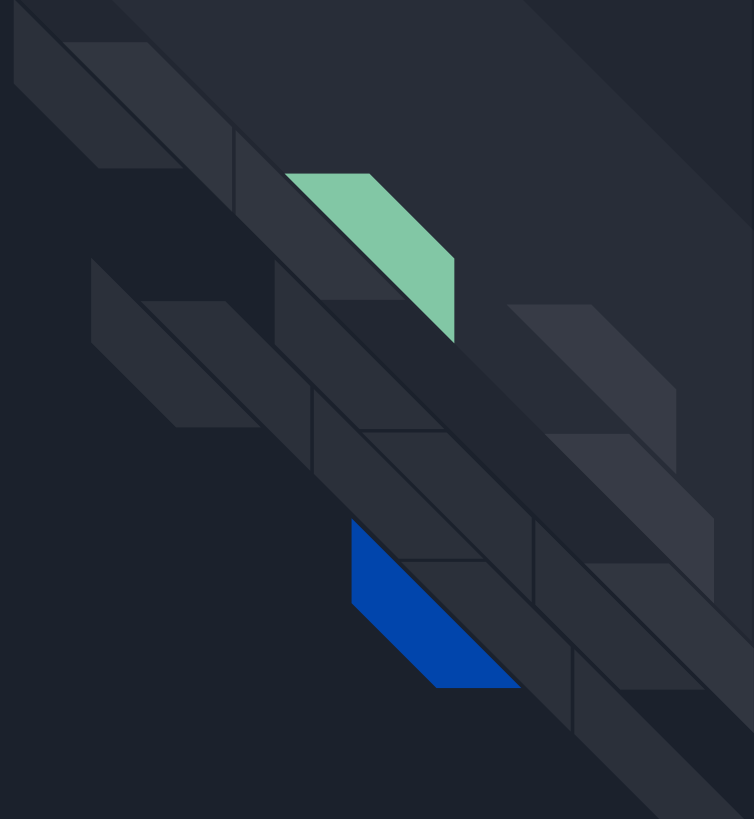
Defining DevOps for Software Developers
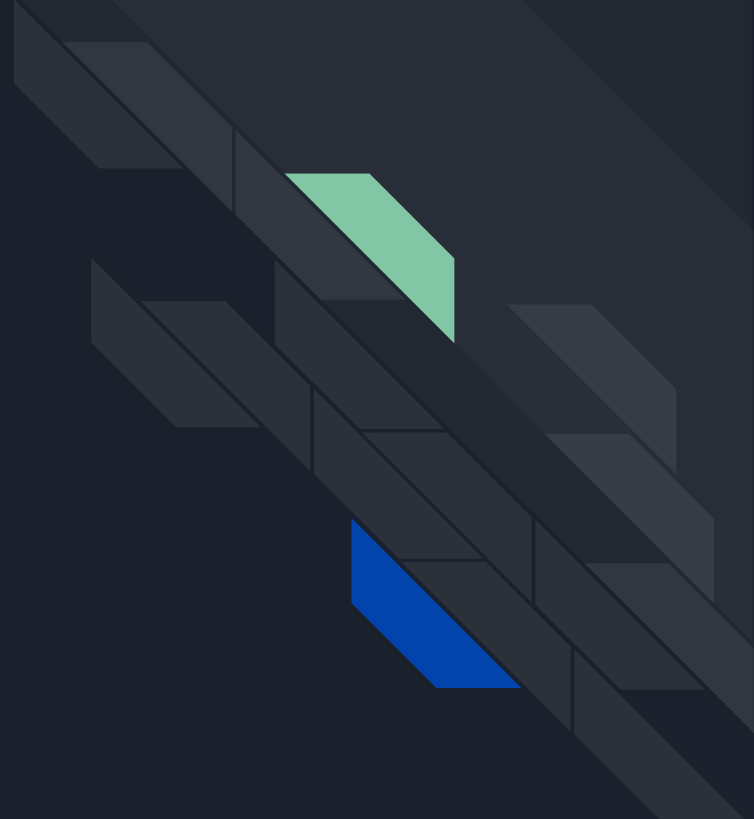
What is DevOps

"

DevOps is the practice of operations and development engineers participating together in the entire service lifecycle, from design through the development process to production support.

What is DevOps

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DevOps is also characterized by operations staff making use many of the same techniques as developers for their systems work.
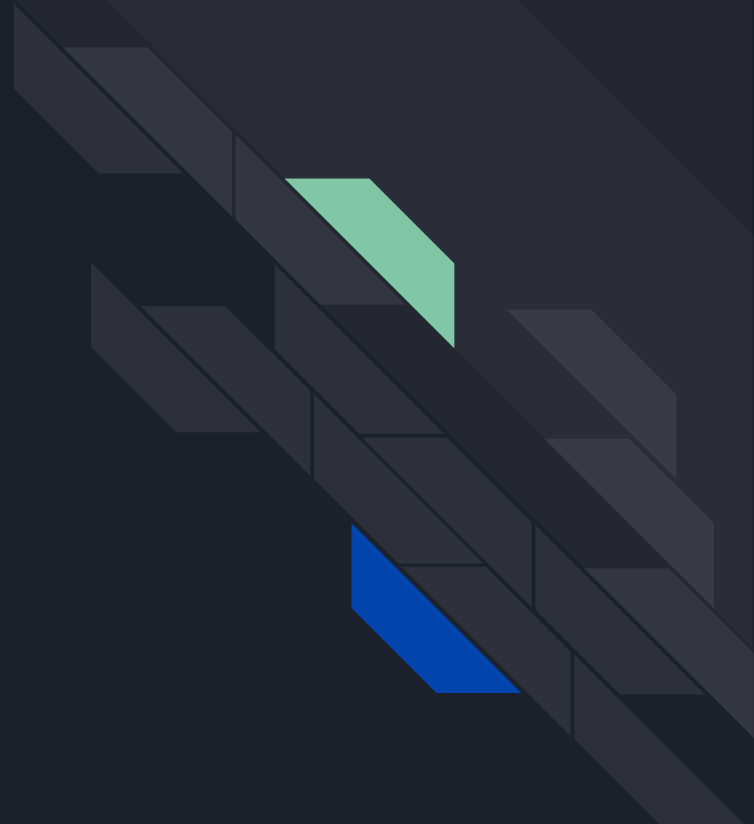
Is not a..

- Product or service
- Role or Title
- Compliance Standard
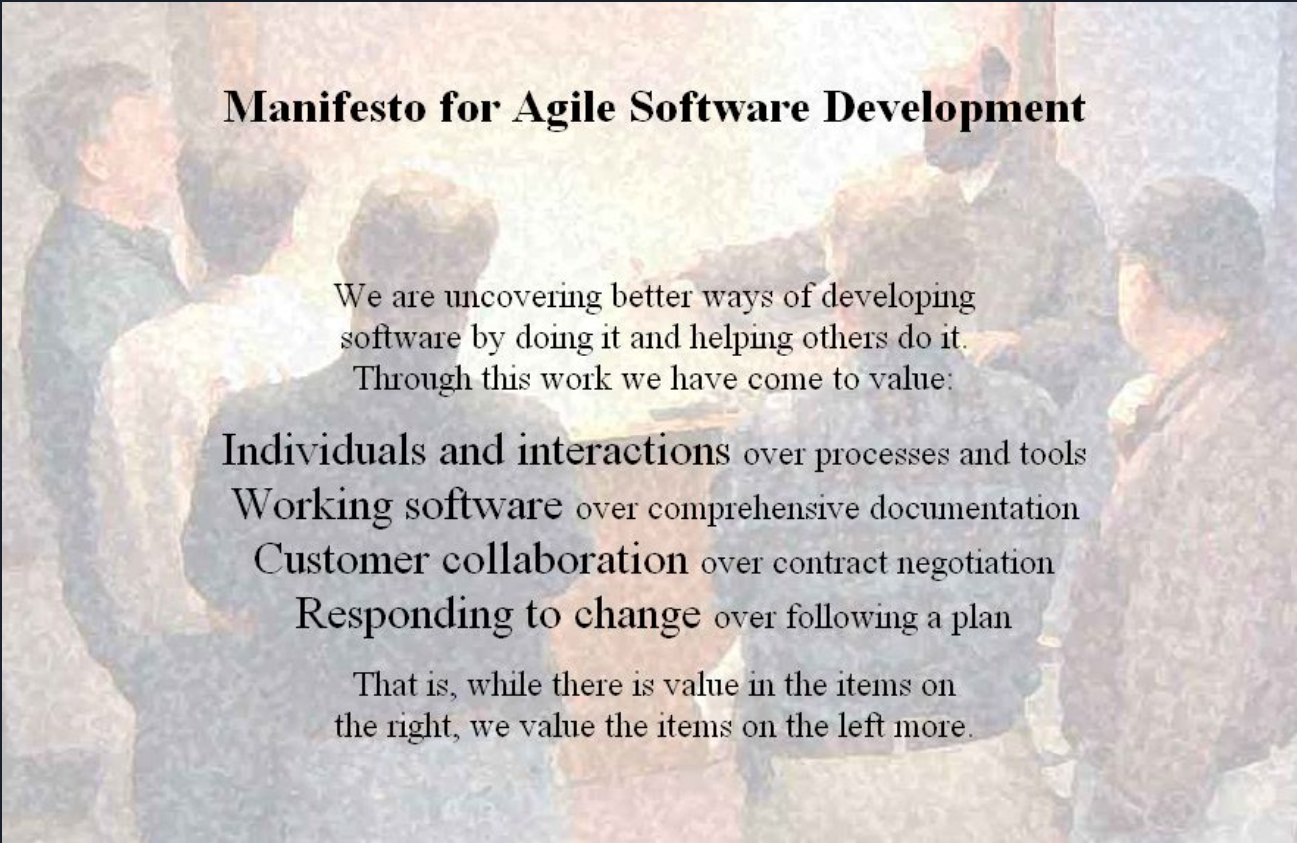- Operators doing Development
- Tools
- Magical Unicorn

DevOps is not..

How do I DevOps

Be Agile

Agile Operations

- The birthing idea that became DevOps
- SCRUM doesn't work for Operations
- The ideas are sound, but incomplete for Ops and can reinforce silos

Why do we have SCRUM fail?

There are 4 types of work:

• Business Projects (New Services)

• Internal Projects (Implement Change Management)

• Planned Changes (Issue Tickets)

• Unplanned Changes (Break-fix, Interrupts, Outages)

Mindset that SCRUM fails thinks

- A system is a whole that cannot be divided into independent parts
- The essential properties of a system are those which none of its parts have
- A system is not the sum of the behavior of its parts, but its the product of their interactions

The Challenge

- How would you do things differently?
- How can you think that you'll
  know what to do with constraints?
- When would you get ahead of always putting out fires?
- What would you do to prevent the all the forest fires?

Concepts to Success

LEAN Methodology

1. Kaizen: Continuous Improvement and Delivery
2. Kanban: Just in Time pull system for delivery items
3. Jidoka: Fail fast and often
4. Logos: Know the why things fail with Root cause analysis
5. Jitsu: Sorting, Simplifying, Sweeping, Standardizing, Sustaining (the 5S)
6. Zen: Removal of all non-value action

Theory of Constraints

1. Identify the system or process constraints
2. Decide how to Exploit the constraint
3. Subordinate everything else to above decision
4. Elevate the constraint(s
5. If, as a result of these steps, the constraint has moved, return to Step 1.
6. Don't let INERTIA become the constraint

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And Makers like you.

Thanks.