DevOps for Defense

95% Communication

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https://devopsfordefense.org
https://www.meetup.com/DevOps-for-Defense/
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Sponsored by: TEKsystems *Own change*

DevOps for Defense Meetup: Code of Conduct

➤ UNCLASSIFIED ONLY!!!!
➤ Treat each other with respect and professionalism.
➤ Do not talk about private, sensitive, or proprietary work.
➤ Do talk about your experiences, needs, desires to improve work in our domain.
➤ Do share your thoughts.
➤ Do learn from others.
➤ If you're attending virtually, do mute yourself while others are speaking!
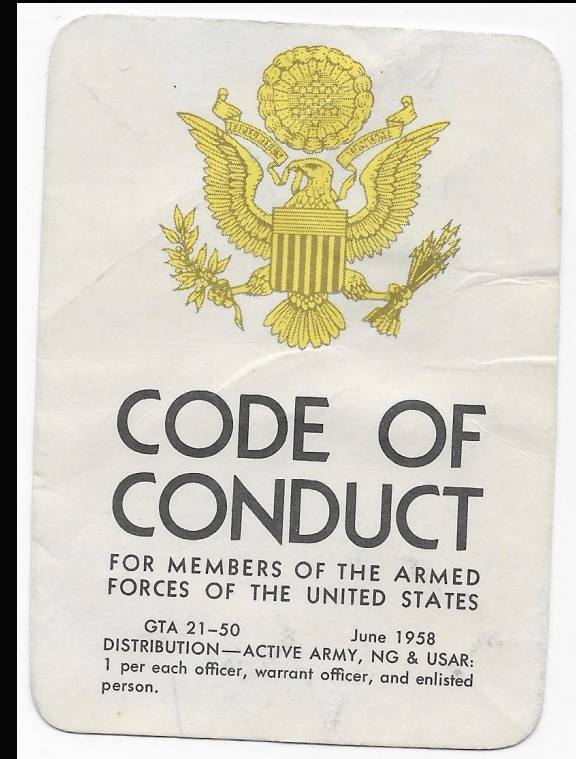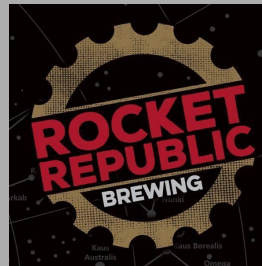
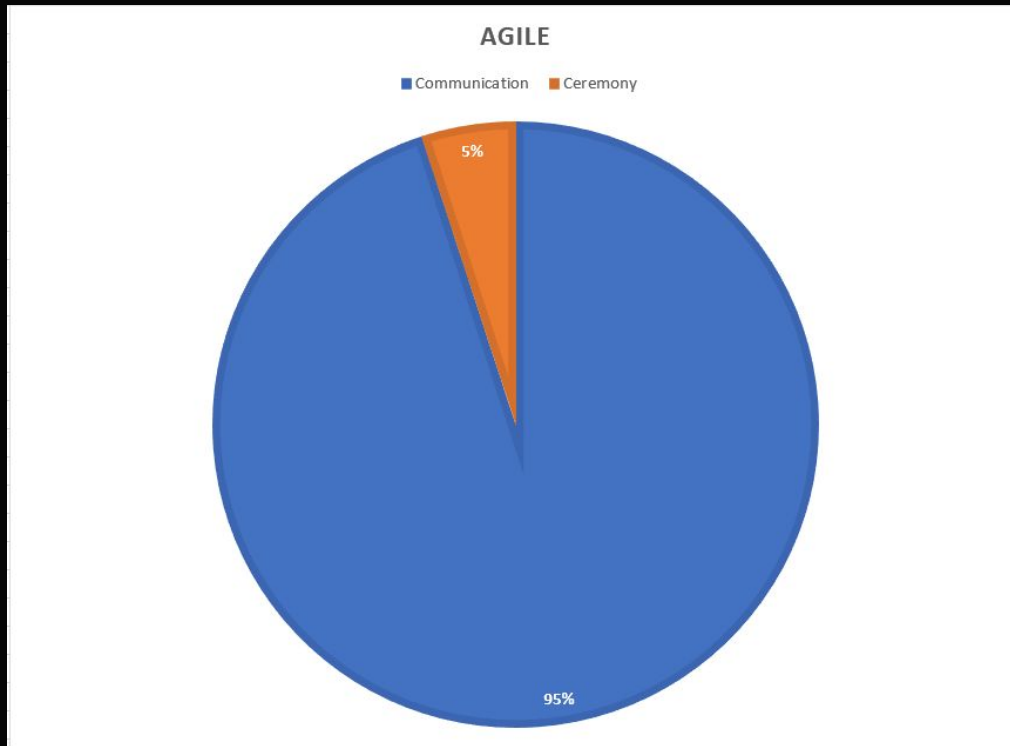# Hybrid Meetup: Not As Easy As I Thought

Last Month:
- No Usable Network
- No Presentation Recording
- Late setup -> Audio Issues
- Great Networking

This Month:
- Early Setup and Testing for New Microphones
- Hoping Network is Fixed
- More Lean-Coffee

FACE-TO-FACE + VIRTUAL

Don't Forget...

AGILE
- Communication
- Ceremony

5%

95%

Refinement
- Team discusses how to define success for upcoming work
- Results in written stories w/ estimates

Planning
- Team discusses how to perform defined work
- Results in assigned stories and subtasks

Stand Up
- Daily team discussion on progress, discovery, and help needed

Demonstration
- Team presents their completed work
- Ensures everyone learns and succeeds together as a team

Retrospective
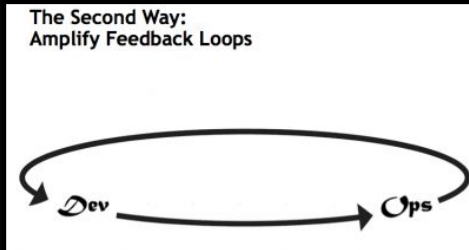- Team discusses potential improvements

Agile is 95% Communication And 5% Ceremony
(Ceremonies Only Exist to Drive Team Communication)

Communication is the Foundation of DevOps

The 1st Way: Systems Thinking & Flow

The First Way:
Systems Thinking

(Business)   (Customer)

Dev → Ops
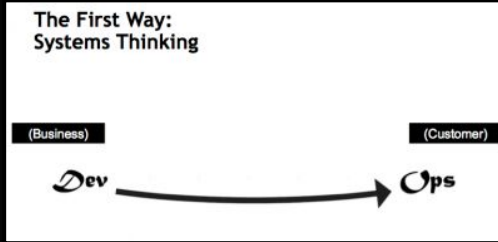
Teams discuss and resolve obstacles and bottlenecks to achieve continuous delivery of value.

Transform Your SDLC with better team communication!

COP 3331   Exam 1

2   Short Answer Questions

11. [10 points] Name and describe the five key phases of software development.

1. denial
2. bargaining
3. Anger
4. depression
5. acceptance

The 2nd Way: Feedback


The Second Way:
Amplify Feedback Loops

Dev → Ops

Teams seek out or create sources of feedback to drive quality and validate intended outcomes.

The 3rd Way: Experimentation & Learning

The Third Way:
Culture Of Continual Experimentation And Learning

Dev → Ops
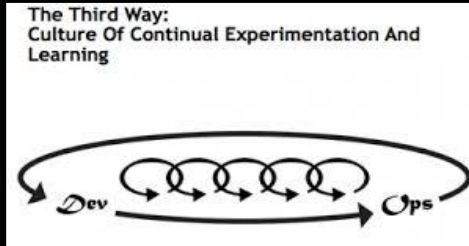
Teams learn and share together, experimenting with new ideas to improve their products and their ways of working.
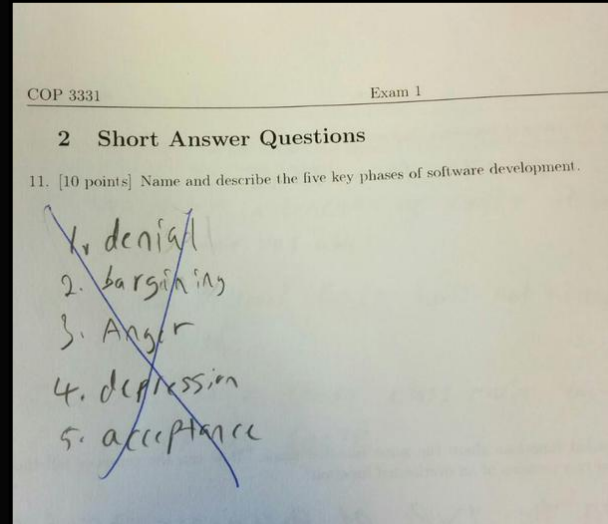
Write it Down!

IF IT ISN'T DOCUMENTED

WON'T

IT ~~DIDN'T~~ HAPPEN

memegenerator.net

Your team's backlog is your most valuable tool!

- Drive out Uncertainty
- Maintain Structure
- Clearly Describe Success (what, not how)
- Make Work Visible
- Capture Feedback
- Document Disruption

Life Pro Tip: If it isn't in the backlog, don't do it! Your e-mail inbox isn't a backlog!

Also, if it needs to be done but isn't in the backlog...add it and talk to the team!
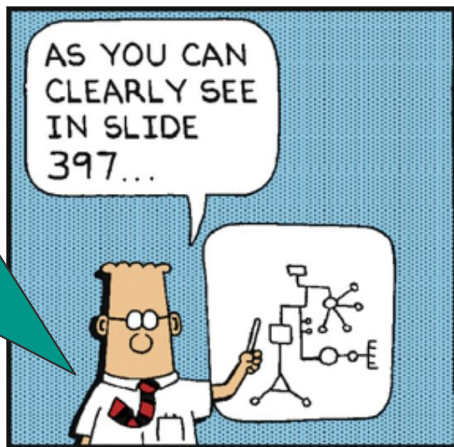
Caution: Bad Communication is Real!
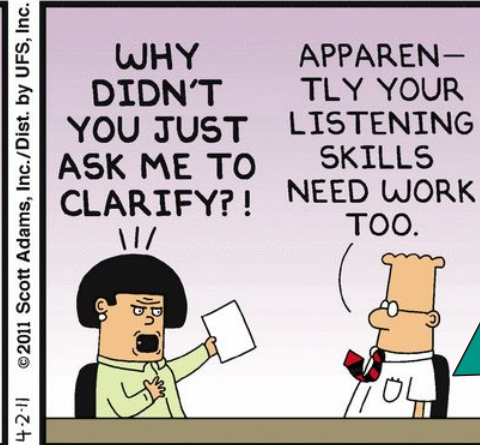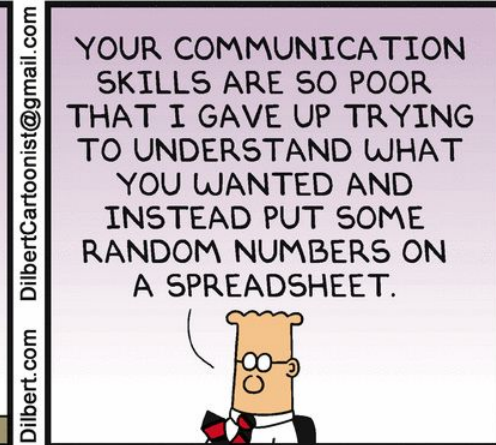
Writing good stories is really hard. Writing bad, stories wastes everyone's time. Refinement is a powerful team tool!

Take the time to do it right - invest in your team's success.

Beware: MS Office can become an "unproductivity suite" and cannot be configuration managed. Only use it when required or for transient work.

Actively Invest in Team Learning

HOW TO ACCELERATE LEARNING
on your team

Insights by: Elizabeth Doty

SHORTEN THE LOOP — idea → experiment → analyze → reflect — LEARNING STALLS WHEN WE DON'T CLOSE THIS LOOP QUICKLY ENOUGH

THINK LIKE AN ARCHITECT — Design feedback system that channels useful info to those most able to act on it

LOOK UPSTREAM — HAVE REAL TIME DATA ON HOW WELL PEOPLE DO AT CRITICAL MOMENTS OF TRUTH IN CUSTOMER JOURNEY

GATHER FEEDBACK ON SYSTEM PERFORMANCE — organizations miss important insights when they rate people in isolation

CREATE FORUMS FOR TEAM LEARNING — CONCRETE PROCESSES FOR COLLABORATIVE LEARNING

EVOLVE YOUR SYSTEM — over a period of time → CHIP AWAY ISSUES GRADUALLY

Sketchnote by: Tanmay Vora | QAspire.com | @tnvora

Add Learning Activities to your Backlog

1. SME speaker on a Relevant Topic w/ Q&A Session
2. Movie Hour - Watch a YouTube video / conference presentation and discuss
3. Lean Coffee - Elicit and share knowledge / experience that exists within the team
4. Spikes - Stories focused on learning, experimenting, or reducing uncertainty that create a demonstration and new stories for the team

Good Communication ↔ Transformational Leadership!

THE 5 CS FOR TRANSFORMATIONAL LEADERSHIP

CLARITY
- Vision
- Values
- Realistic Optimism
- Research, Knowledge
- Transparency

CONNECTION
- Inclusion
- Congruence
- Alignment
- Empathy
- Compassion

CREATIVITY
- Innovation
- Lateral Thinking
- Systems Thinking
- Diversity of Thought
- Risk Taking
- Continuous Improvement

CONFIDENCE
- Faith in Self
- Faith in Team
- Faith in Partners
- Capabilities
- Skills
- Wisdom
- Trust

COMMITMENT
- Purpose
- People
- Principles
- Performance

The greatest gifts you can give your team: clarity, communication, and pulling people together around a shared mission.

Anne Sweeney

Facing a hard decision or challenge?

Rely on Your Team! Ask them for Help!

Group Exercise: Lean Coffee

1. The facilitator has a short introduction.
2. Everyone makes cards with questions or topics for discussion on the subject.

3. Everyone votes on each question or topic by clicking the thumbs up button on the corner of the card. 5 votes per person.
4. Cards with most votes goes first. Set a timer for 5 minutes and discuss.
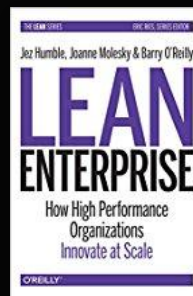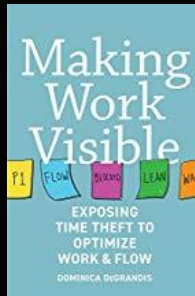5. After 5 minutes, either vote (thumbs up/down in your Zoom window) to keep going or move on to the next card.

Suggested Topic: "How Does Culture Impact Communication in your Org?"

DevOps Resources

https://devopsfordefense.org/resources/

Books / Publications:
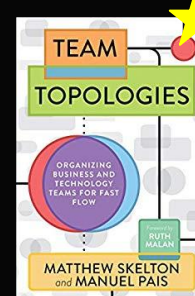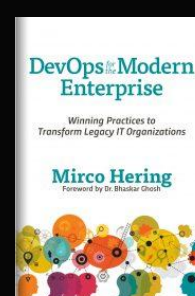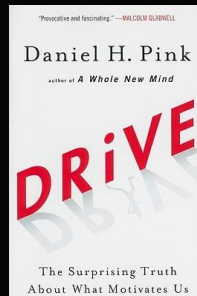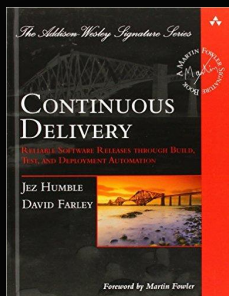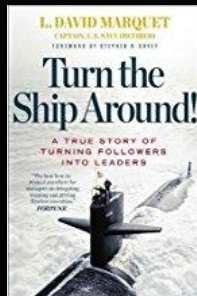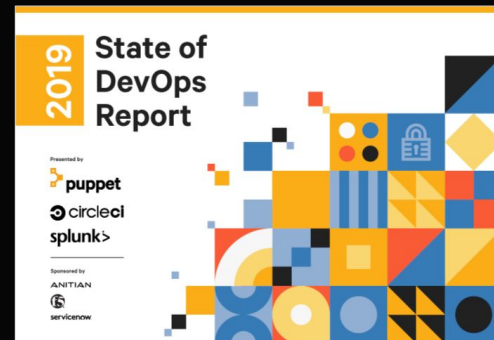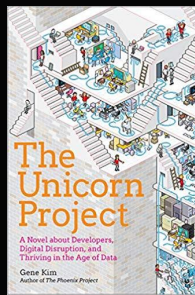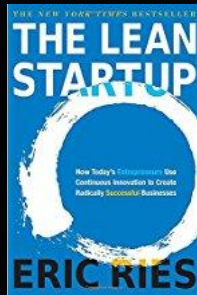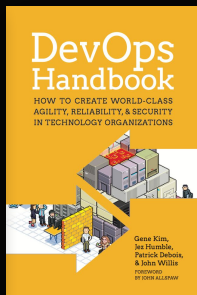
Conference Presentations (YouTube):
- DevOps Enterprise Summit (DOES)
- IT Revolution
- Velocity
- GoTo