



# DevOps for Defense

November 2023

## DOES '23 Recap

JD Black

<https://devopsfordefense.org>

<https://www.meetup.com/DevOps-for-Defense/>

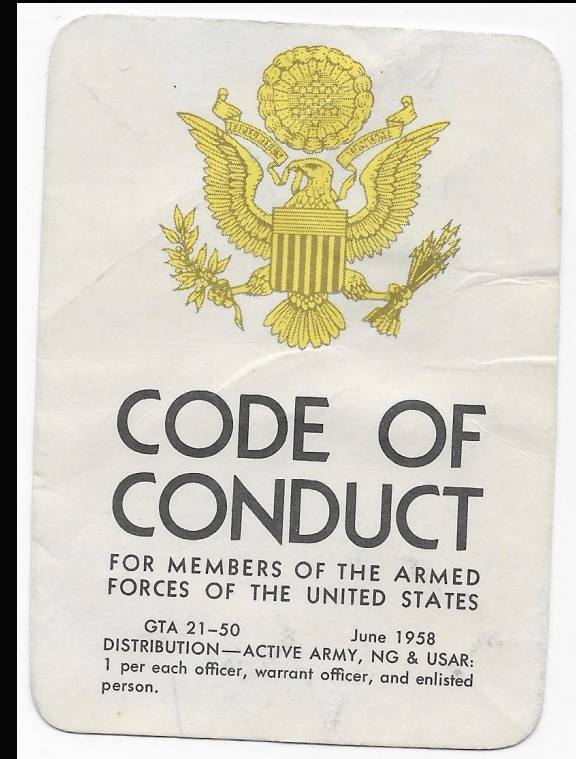
<https://github.com/jondavid-black/DevOpsForDefense>

[devopsfordefense@gmail.com](mailto:devopsfordefense@gmail.com)

<https://twitter.com/devops4defense>

# 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.
- Do respect & tip your bartenders!



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# DevOps Enterprise Summit Las Vegas 2023

The Cosmopolitan | October 3-5

The conference for technology leaders of large, complex organizations.

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Engaging With Speakers In Slack

Post your question in the corresponding #discussion channel and generate the speaker during and after the presentation.

If you have thoughts on something someone else posted, contribute!



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**#DOES23 @ITREVDOES AN IT REVOLUTION EVENT**



# How does DOES go?

## Day 0: Pre-Game



Google DORA

<https://dora.dev>

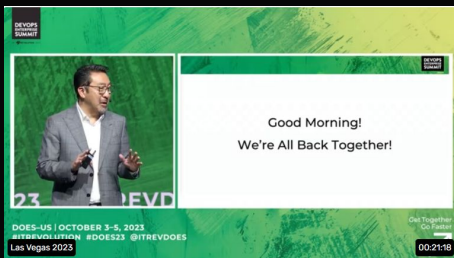
<https://dora.community>

State of DevOps  
Report 2023



Gene & Steve  
Present

## Day 1: Kick-Off



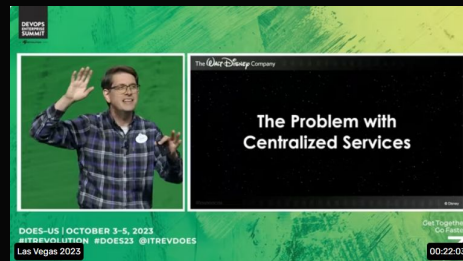
Pre-Release: Wiring the  
Winning Organization



## Day 2: New Books

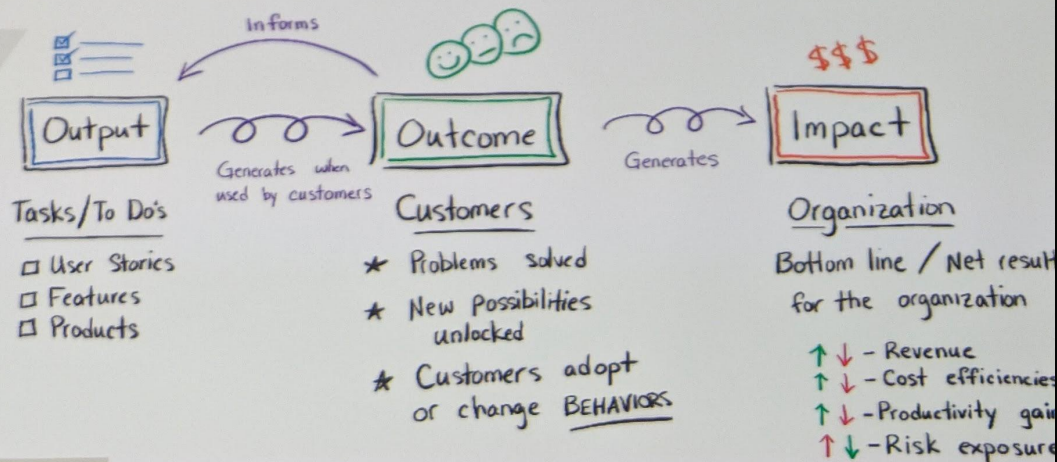


## Day 3: Wrap Up





# Highlights




Don't get so worked up on increasing your output that you overlook outcomes and impact!

- John Deere

# AI Is Taking Over...Everywhere!

For Better Security, Stop Wasting Developer Time

- Stephen Magill



**Retrieval Augmented Generation**

Given the following pieces of information:

<... data X ...>

<... data Y ...>


Can you provide me an answer on the question <human question>

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00:26:49

Bringing GenAI from Promise to Reality:  
Navigating the Journey of Implementation  
- Patrick Debois




**Demand for LLM Libraries Is Growing**


LLM Library Usage Over Time



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**Open Source Software**



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00:23:13

100M+ Developers, Security, and AI - My Journey  
from DevOps to an AI-assisted Future

- Jacob DePriest

# Developer Experience Matters...A Lot!

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**/DIMENSIONS**

- /FLOW STATE** The mental state of being fully immersed; energized focus and enjoyment
- /FEEDBACK LOOPS** The speed and quality of responses to activities performed
- /COGNITIVE LOAD** The amount of mental processing required to complete a task

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00:22:32

DevEx Essentials: Igniting Change, Delivering Results - Dr. Nicole Forsgren



# And Culture Remains At The Heart of It All

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**DevOps Practices Are  
Easy, Changing the  
Culture is the Tricky Part!**

Sascha Schürich | DevOps Enterprise Summit Las Vegas |  
10/05/2023



LIFE IS FOR SHARING



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**00:18:55**

But perhaps the best DOES talk of all time...

# But definitely wasn't...

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**System Engineering 101**




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**Las Vegas 2023**

**Architecture-As-Code: DevOps for System Engineering**

Engineering Rigor, MISE, & Continuous Delivery  
Enabling Full Government Lifecycle Engineering

**NORTHROP GRUMMAN**

JD Black  
Digital Transformation Director  
Northrop Grumman  
www.northropgrumman.com  
The 2023 Summit is a privilege



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**Who Am I?**

**History**


- 24 years engineering, developing, and managing complex government systems
- 18 of those supporting the missile defense mission

**Fun Stories for Between Sessions**

- Centaur system to officially recognize and thought as a religion
- World's largest SAN and transition to CP6 in 1 shift
- Avoided orbital object collisions of a space launch vehicle
- Obtains the first "proper" approval to publish a FODS project

**Experience**

- Program Director, Technical Director, Chief Engineer, Architect, Proposal Leadership, Developer, Algorithms, Modeling & Simulation, Testing, Tester,...
- 24/7/365 Global System Operation
- DevOps for Defense Meetup Organizer



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**ION EVENT**

Architecture-As-Code: DevOps for System Engineering  
- JD Black



# December 2023: 6 Years of DevOps for Defense!

Expect Cake!

And Live Music from Dad Bod!

And 2 Special Guests!



**Gene Kim**

Author, Researcher,  
Conference Organizer,  
Former CTO



**Jason Cox**

Walt Disney Director of  
Global Site Reliability  
Engineering (SRE)

# DevOps Resources

<https://devopsfordefense.org/resources/>

<https://www.meetup.com/DevOps-for-Defense/>  
<https://github.com/jondavid-black/DevOpsForDefense>  
[devopsfordefense@gmail.com](mailto:devopsfordefense@gmail.com)

## Books / Publications:

## Conference Presentations (YouTube):

- DevOps Enterprise Summit (DOES)
- IT Revolution
- Velocity
- GoTo

