Applied DevOps
How to Build a Winning Pipeline
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Evolution of a winning pipeline

What is DevOps?
Evolution of a winning pipeline

What is DevOps?

We get DevOps.
Evolution of a winning pipeline

What is DevOps?

We get DevOps.

We’re doing DevOps.
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What is DevOps? We get DevOps. We’re doing DevOps. We’ve mastered DevOps.
Evolution of a winning pipeline

What is DevOps?
We get DevOps.
We’re doing DevOps.
We’ve mastered DevOps.
What is DevOps?
“What is DevOps?”
Daddy, what is DevOps?

Ask your mother, sweetheart.
“We get DevOps.”
You know you’re crawling when…

- You’ve **mapped** the value stream
- **Everyone** on the ART knows their role in DevOps
And you’re working the plan

You understand your customers
You know where you need to be
You know where you are
You know what to fix first
Blocker! Shiny Object Syndrome

- You don’t buy DevOps; you earn it
- DevOps is not CI/CD
- Don’t automate broken processes
- Automation reduces process time more than delay
Blocker! The “DevOps Team” anti-pattern

- Don’t create a bottleneck
- DevOps requires collective ownership throughout the value stream

We need more silos!

- Business
- Product Mgmt.
- Hardware
- Software
- Quality
- Testing
- Compliance
- Operations
- Security
“We’re doing DevOps.”
You know you’re walking when…

- You have a continu-ish delivery pipeline
- Teams are seeing astonishing results
Blocker! Invisible work

- If it’s not in the backlog, it doesn’t get done
- Use Enablers
Blocker! “Not My Monkey” Syndrome

- Enablers need owners & sponsors
- Negotiate capacity allocations
- Use WSJF to your advantage
  - (DevOps enablers shrink job size)

There’s no room in the budget.

Customers aren’t asking for this.

Wish we could, but…

Maybe next year.
“We’ve mastered DevOps.”
You know you’re running when…

- You have a **Continuous** Delivery Pipeline
- **Customers** are seeing astonishing results
Cracking the code on culture

“I need to see X.”

“Done. BTW, here’s 10X.”
Blocker! Invisible benefits

- No science projects!
- Solve real business problems
- Deliver “OMG” moments
Blocker! Silos and specialization

- ARTs and teams must be cross-functional and organized for value delivery
- Everyone is focused on flow
- Consider trailblazing System Teams
“What is DevOps?”
You know you’re flying when…

- Your delivery pipeline is a competitive advantage
- You don’t call it DevOps; it’s just what you do
Blocker! Risk aversion

- Culture should support reward risk-taking
- Everything is an experiment
- Failure is expected
- Decentralize decision making
- Always inspect and adapt
Blocker! Culture cloning

- What works for “them” works for them
- Evolve organically
- Allow internal talent to flourish
Follow the process
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