Grow Your Business with DevOps

3 Tips for Delivering More Value and Increasing Service Revenue
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Co-Author of SAFe DevOps Course
Small footprint, BIG impact!
SAFe DevOps Course Description

This two-day, interactive course helps people across technical, non-technical, and leadership roles work together to optimize their value stream from end to end.

Attendees learn what DevOps is, why it is important to every role, and design a continuous delivery pipeline that is tailored to their business.
Are You Using SAFe DevOps to:

Train the Engineers?  
Transform the Organization?
Are You Using SAFe DevOps to:

Train the Engineers?

Transform the Organization?

[Checkmark] YES!
Myth #1:
DevOps Is about Tools and Engineers
Automation Is Very Important. However…

- You can’t buy DevOps
- Automation addresses steps in the value stream, not the whole thing
- Automation doesn’t address the core issue
DevOps Addresses a People Problem

- The **Core, Chronic Conflict**: Dev and Ops have conflicting priorities
- This creates **Walls of Confusion** that impede delivery

Dev

Maximize speed

Ops

Maximize stability
But It’s Not Just Dev and Ops

More like BizDevArchTestCompSecOps!
“While DevOps needs particular champions, excellence can be achieved only if the entire organization is on board.”

-2018 State of DevOps Report
Our Customers Need DevOps Skills in **All** of These Areas

Source: DevOps Upskilling Report, DevOps Institute, 2019
Fact: DevOps happens faster when the whole ART is working together

Opportunity: Deliver SAFe DevOps to the entire ART
Myth #2: SAFe DevOps Is High Level; There Isn’t Any Deeper Content
What the Community **Likes Most** About SAFe DevOps

- **Value Stream Mapping**
- **Collaboration Across the Org**
- **Health Radar & CDP**
- **Fun to Teach & Attend**
- **All of It**
What the Community **Likes Least** About SAFe DevOps

- **Nothing**
- **Content is not Technical Enough**
- **Content is Too Technical**
- **Lessons 3-6 are Repetitive**
- **4.5 Radar was Better**
- **Comic / Story Line**
What the Community **Wants Most** Following the Course

- More Detailed Content, Examples, Tools
- More Security Content
- More Exam Prep Guidance
The Continuous Delivery “Trifecta”

Value Stream Mapping
Continuous Delivery Pipeline
Intro to DevOps Practices & Solutions
Actionable Transformation Plan

Behavior Driven Development (BDD)
Test Driven Development (TDD)
XP Practices

For Everyone

SAFe® DevOps

SAFe® Agile Software Engineering

For Agile Teams

SAFe® for Architects

For Agile Architects

Agile Architecture
Microservices
Domain Driven Design
Compliance Automation
Cloud Computing

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Fact: The SAFe curriculum contains introductory and detailed DevOps guidance

Opportunity: Deliver SAFe DevOps, ASE, and S4A as a set
Myth #3: SAFe DevOps Is Only for SAFe Customers
The DevOps Health Radar

- Conceptual model & assessment tool
- Focus is on value flow from concept to cash (clockwise from Hypothesize)
- CE, CI, CD, and RoD are the only SAFe-specific terms
- Designed and tested with non-SAFe audiences
- Course has no prerequisites
Outcome: Objective Analysis & Concrete Plan of Action

DevOps Transformation Canvas

<table>
<thead>
<tr>
<th>Business Context</th>
<th>Desired Delivery Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current-State Delivery Process</td>
<td>Immediate Next Steps</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Value Stream</th>
<th>Trigger</th>
<th>Future State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robotics value stream</td>
<td>Idea from Business Owners</td>
<td>Design, Code, Test</td>
</tr>
<tr>
<td></td>
<td>First Step</td>
<td>PM accepts, Deploy to staging</td>
</tr>
<tr>
<td>Demand Rate</td>
<td>Last Step</td>
<td>Smoke test, QA + UAT</td>
</tr>
<tr>
<td>20 per month</td>
<td>Released to production</td>
<td>Production signoff</td>
</tr>
</tbody>
</table>

Current State

- Feature definition
- Design
- Code
- Test
- PM accepts
- Deploy to staging
- Smoke test
- QA + UAT
- Production signoff
- Deploy to prod
- Production weekend

Boundaries and Limitations

- No changes to organizational structure

Improvement Items

1. Feature toggles
2. Lean Startup
3. Blue/Green deployment
SAFe DevOps can be a “tipping class.”
Fact: SAFe is not a requirement for SAFe DevOps

Opportunity: Deliver SAFe DevOps to any customer interested in DevOps at scale
“An IT team could be deploying a hundred time per day, but if their work intake is not connected to the business, the results will not materialize.”

-Mik Kersten, Project to Product
Thank you!

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global.safesummit.com/presentations
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