Mastering DevOps

Dave Mangot

Section 2

The CAMS Model – DevOps Thinking

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In this Section, we are going to take a look at...

- Culture
- Automation
- Measurement
- Sharing

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In this Video, we are going to take a look at...

- The CAMS Model
- Culture

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Who Developed This Model?

@damonedwards

@botchagalupe

DevOps Cafe

Podcast with John Willis & Damon Edwards

C - Culture
A - Automation
M - Measurement
S - Sharing

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CLAMS?

C – Culture

L - Lean

A - Automation

M - Measurement

S - Sharing

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Why Culture?

"Culture eats strategy for breakfast"

Why Culture?

"Culture eats strategy for breakfast"

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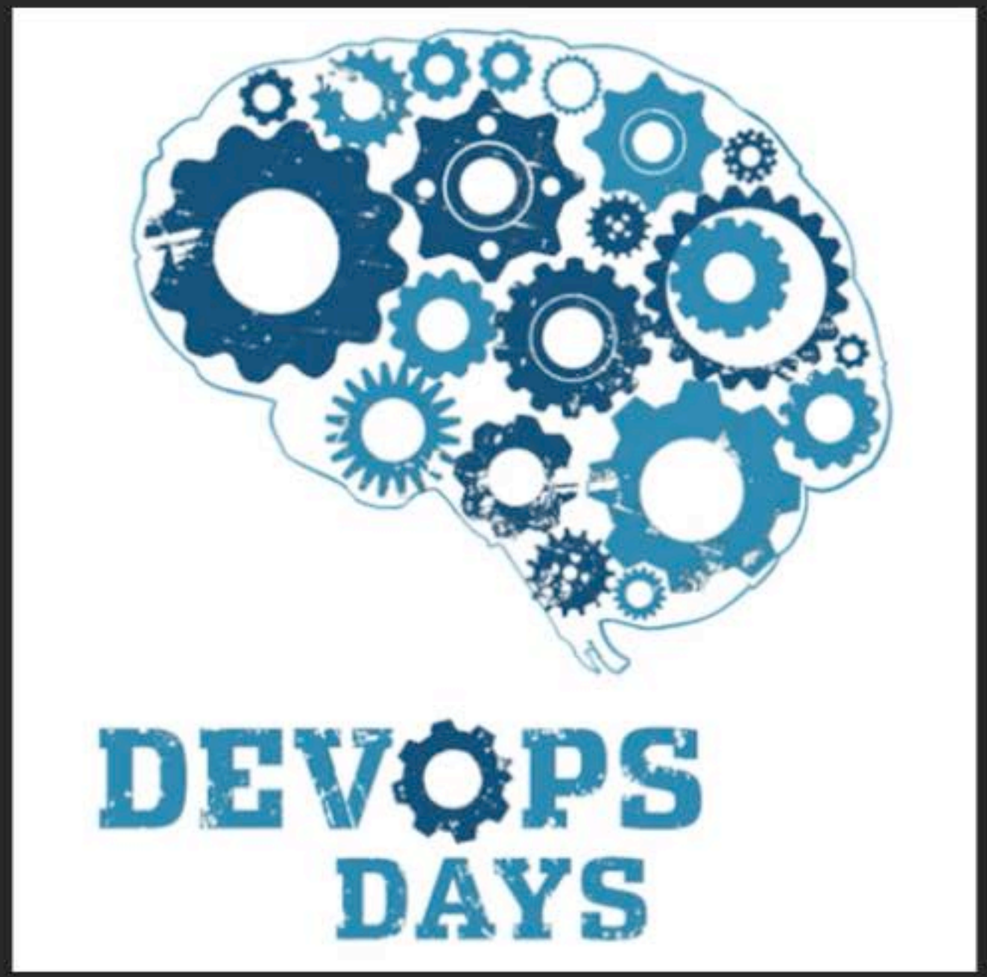
Trouble at DevOpsDays



Trouble at DevOpsDays

@botchagalupe

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What Do We Mean by Culture?

- Service ownership
- Hack events
- Technical debt grooming
- Game days
- Destructive testing
- Cross functional teams
- Agile

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Cargo Culting

Cargo Culting

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CAMS – Automation

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CAMS – Automation

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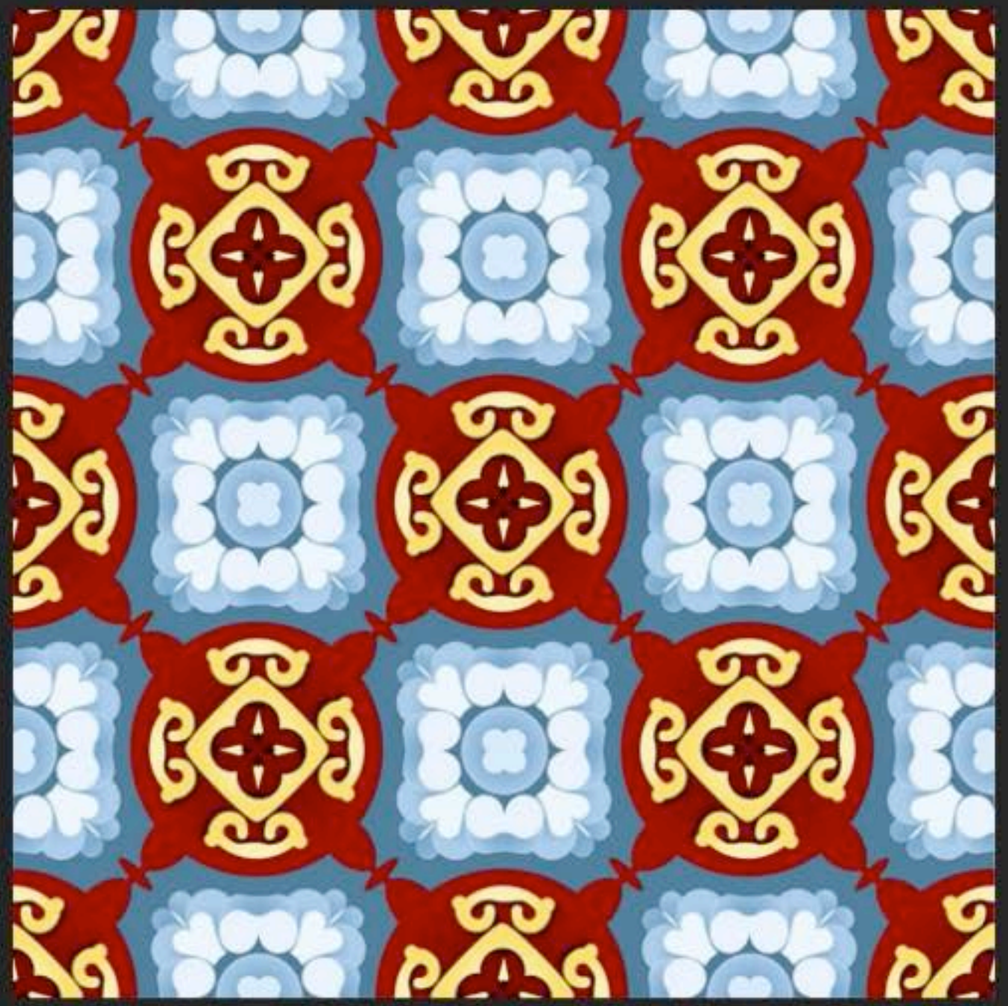
Why Automate?

Why Automate?

- Expensive
- Doesn't scale

Why Automate?

Why Automate?



Examples

- Infrastructure as Code – Configuration management
- Continuous Delivery pipeline
- Simian Army
- Orchestration Engine

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CAMS – Measurement

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CAMS – Measurement

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A Quote

"If we have data, let's look at data. If all we have are opinions, let's go with mine."

– Jim Barksdale

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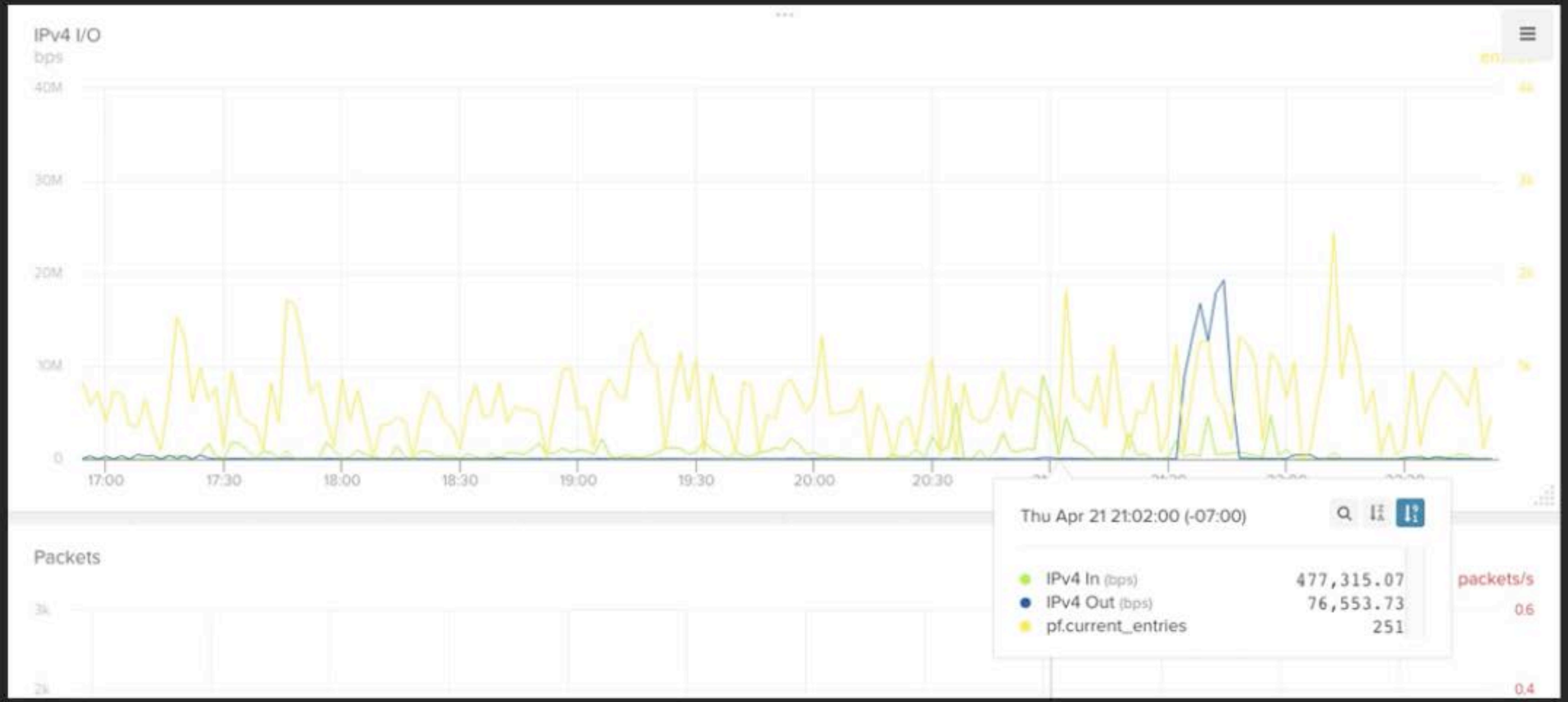
What to Measure?



What to Measure?

- How many people signed up today
- How many who signed up converted to paying customers
- How much revenue did we make today
- What are operating cost
- How many call center tickets are coming in
- How much support room activity is there

Examples

- Instrumentation platform (Graphite, OpenTSDB, and so on)
- Information radiators
- Process measurement (cycle time, MTTR, and so on)

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CAMS – Sharing

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CAMS – Sharing

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In this Video, we are going to take a look at...

- Why is sharing so important
- Examples of sharing
- Summary

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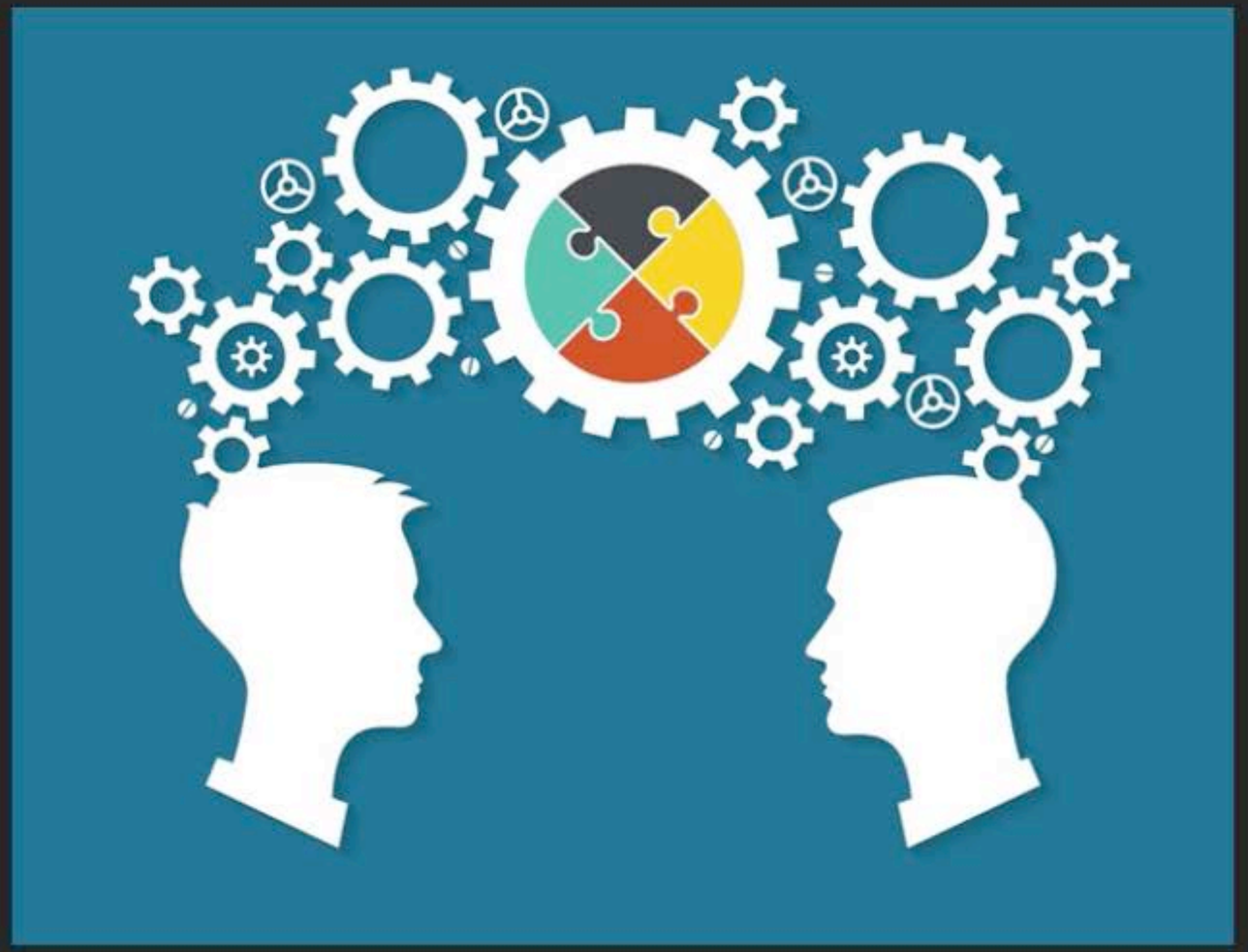
Visibility

Transparency

Knowledge Transfer



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Examples

- Daily standup
- Retrospectives
- Documentation
- Brown Bags/Tech Talks/Internal Conferences

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Examples

- Daily standup
- Retrospectives
- Documentation
- Brown Bags/Tech Talks/Internal Conferences
- ChatOps

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Summary

- Culture
- Automation
- Measurement
- Sharing

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Next Section

Establishing a DevOps Culture

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