

Development, Security and IT

Strategies for A Successful Union

July 28, 2020



Panel of Experts

Moderator



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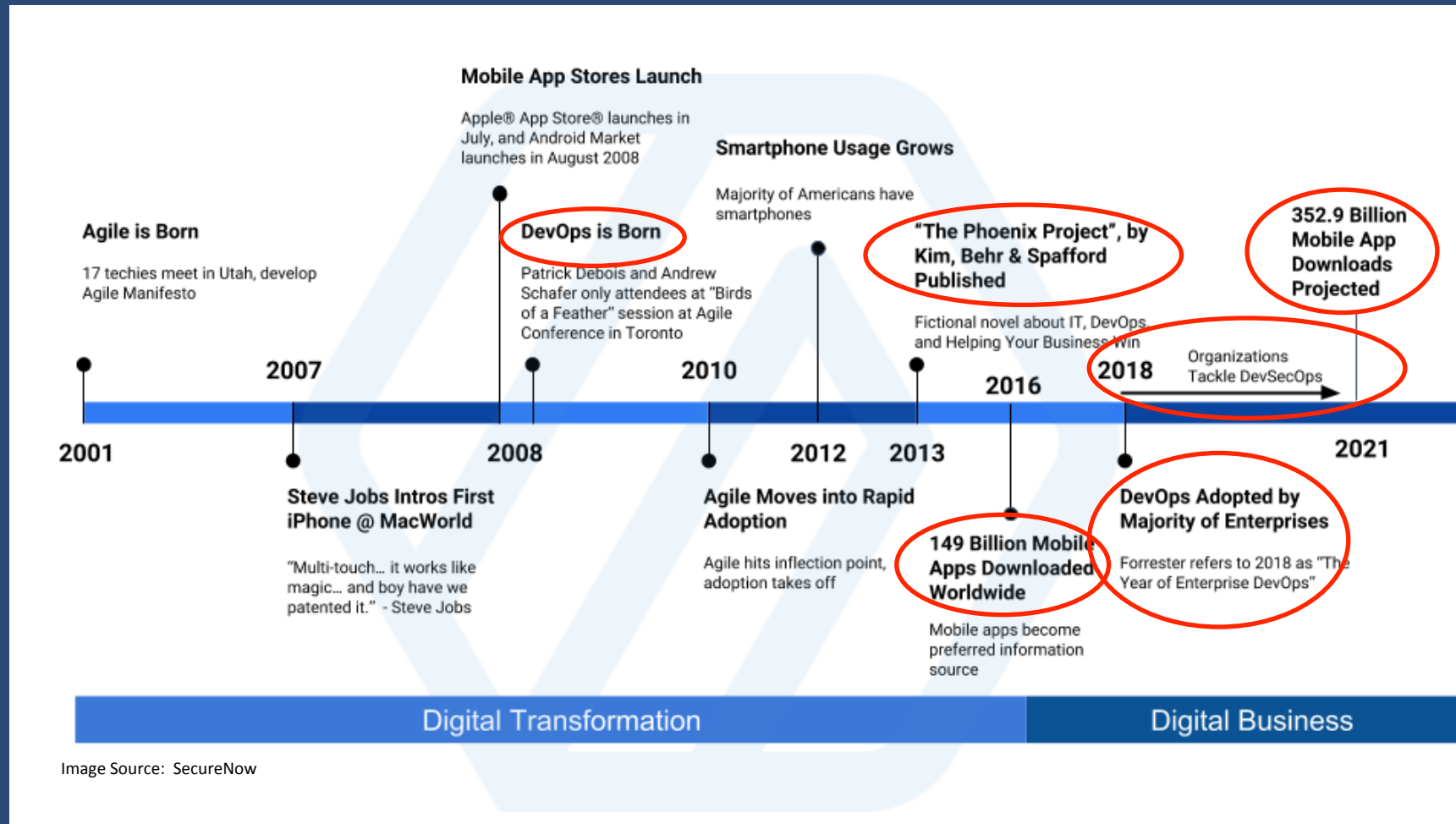


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Agenda

- ◆ *Introduction*
- ◆ *Discussion Topic #1 - Digital Transformation / Digital Enterprise*
- ◆ *Discussion Topic #2 – Challenges for Digital Transformation*
- ◆ *Discussion Topic #3 – Technology Landscape*
- ◆ *Discussion Topic #4 – DevSecOps*
- ◆ *Discussion Topic #5 – Achieving Digital Transformation*
- ◆ *Audience Q & A*
- ◆ *Closing Remarks / Key Takeaways*

What is Digital Transformation & the Digital Enterprise?

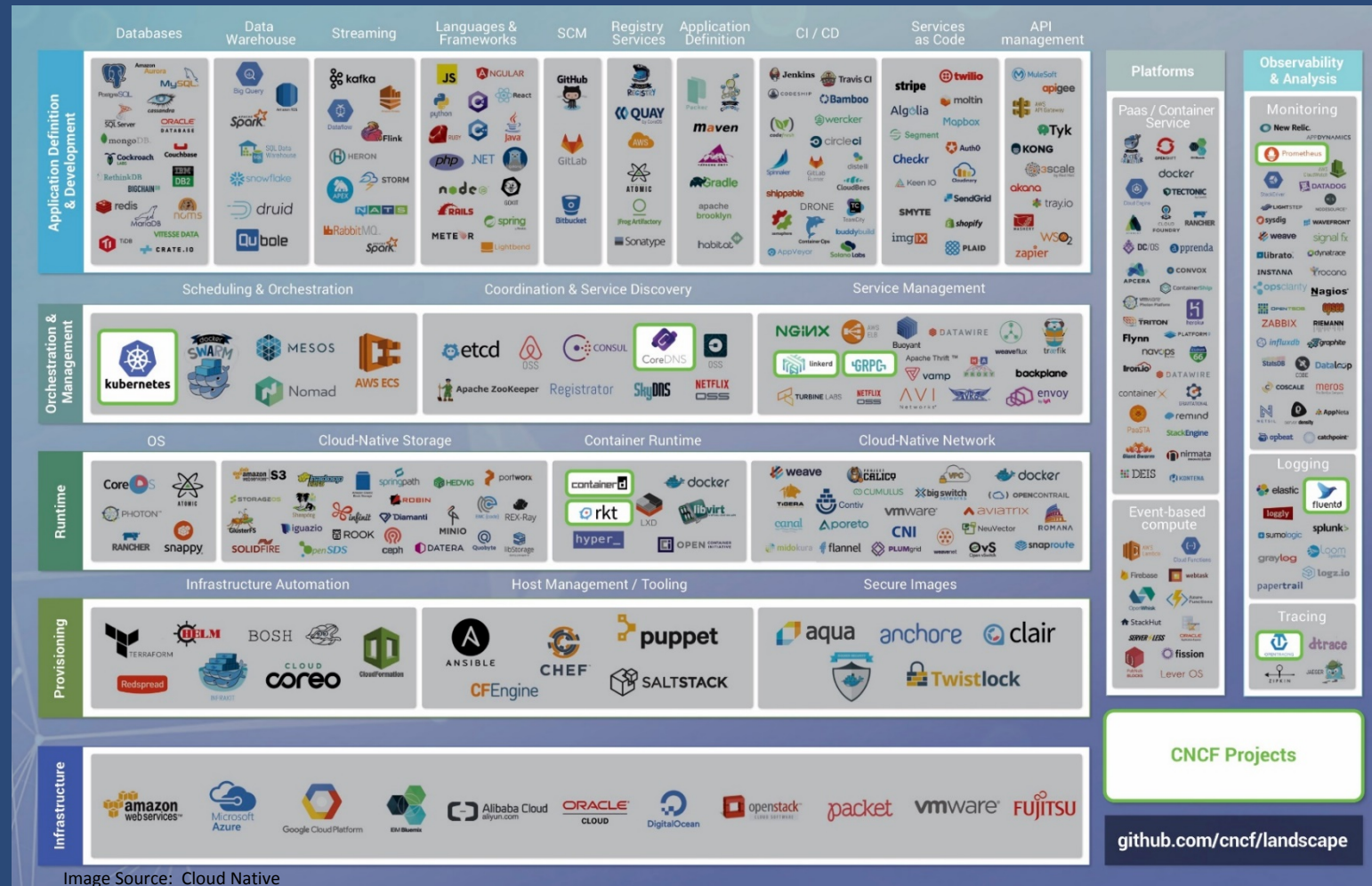


Challenges for Digital Transformation – DevOps, Security or DevSecOps?



Source: Acqua Security Solutions

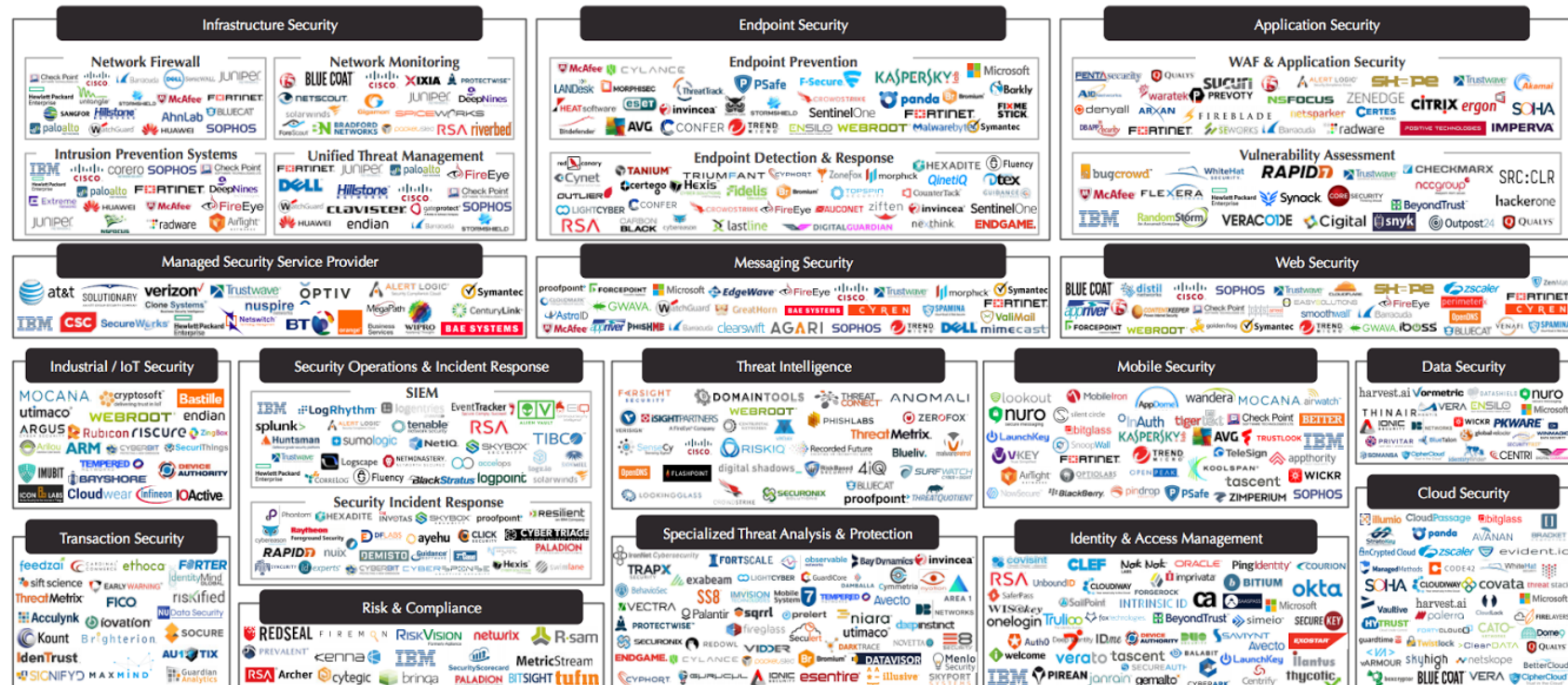
Technology Landscape



Technology Landscape

CYBERscape: The Cybersecurity Landscape

The Security Sector Is Dynamic And Vast. We Are Ceaseless & Vigilant In Our Coverage.



Source: Momentum Partners.

DevSecOps



Image Source: Konducto

- ◆ *ITSM Framework (ITIL) or DevOps?*
- ◆ *Does DevSecOps answer this question?*
- ◆ *“Fast or Secure” versus “Fast and Secure”*

Overview

2020 DevSecOps Survey top findings

CD is real

Nearly **60%** deploy multiple times a day, once a day, or once every few days. That's up from **45%** last year.

Coming of age

Over **25%** of companies are in the DevOps "sweet spot" of three to five years of practice. And another **37%** are well on their way, with between one and three years under their belts.

Want better code quality?

Want better code quality? It's DevOps FTW. The majority of respondents said code quality was the biggest benefit of choosing DevOps.

Still works in progress

The majority of respondents aren't using K8s and microservices yet, but they are investigating them.

Test is still hard

Today **47%** of companies say testing is the number one reason for delays. That's down slightly from last year's survey but still frustrating to hear.

Job satisfaction

Job satisfaction: **66%** or more of respondents say their organization's processes and tools allow them to succeed and innovate.

Source: *GitLab Mapping the DevSecOps Landscape, 2020 Survey Results*



Developers

Development top findings

DevOps = faster releases

If you're a developer, DevSecOps just works. Nearly 83% of them report they're releasing code more quickly.

Investing in the future

The top three areas for investment this year: CI, SCM, and test automation.

More testing STAT

Devs are nearly unanimous in the need for their organizations to do more testing. Apparently, you can't have too much testing.

A new job description

Devs report responsibilities (creating/monitoring/maintaining infrastructures) that look a lot like what Ops used to do.

Who owns security?

It depends on who you ask. But, more than a quarter of devs feel **solely responsible** for security, indicating that shifting security left has begun in earnest.



Security

Security top findings

DevSecOps = changing roles

Security can be found on cross-functional teams and working closely in collaboration with developers, both of which represent significant change from the past.

You call that a shift left?

Sec pros report their orgs are shifting security left but they really aren't doing the scans to support that claim.

Why can't we be friends?

Just like in last year's survey, security pros think devs don't find enough of the bugs at the earliest stages and are slow to prioritize fixing them.

Cutting edge is left out

Most sec teams don't have security processes in place for microservices/containers/APIs/cloud native or serverless.

Who owns it?

Almost **33%** of security respondents said they were responsible for security. But nearly as many, **29%**, said **everyone** was responsible for security. Clarity is needed.



Operations

Operations top findings

DevSecOps = changing roles

Over **60%** report new and different responsibilities because of DevOps.

In the cloud

Over half of Ops pros say their primary focus today is managing the organization's cloud services.

Automation is on the move

Almost **40%** of operations team members said their development lifecycle is “mostly” automated.

Blending in with dev

Almost **70%** of ops pros report that devs can provision their own environments, a sure sign of shifting responsibilities brought on by new processes and changing technologies.

Staying secure

Over **21%** of Ops pros say they feel solely responsible for security in their organizations.



Discussion Topic # 1

What is Digital Transformation & the “Digital Enterprise”?

Discussion Topic # 2

What are the biggest challenges in achieving Digital Transformation?

Discussion Topic # 3

**Does more technology speed
up or slow down Digital
Transformation?**

Discussion Topic # 4

**What is DevSecOps and how
is it related to Digital
Transformation?**

Discussion Topic # 5

How do I Achieve Digital Transformation?

Audience Poll

Has your Organization adopted DevOps or DevSecOps?

- A. Yes, DevOps but not DevSecOps
- B. Yes, DevSecOps
- C. No, Neither DevOps or DevSecOps
- D. Considering DevOps in next 12 months
- E. Considering DevSecOps in next 12 months

Audience Q & A

Key Takeaways

- ◆ *DevSecOps is Cultural – it's a Way of Thinking and Doing*
- ◆ *Automation and Orchestration are Required to Make this Work!*
- ◆ *Tool Sprawl (and Fatigue) is Real and will get Worse before it gets Better*
- ◆ *Value Stream Mapping shifts thinking from "I'm done - I did my job" to "I'm done - value has been realized"*
- ◆ *In today's business climate, you must have "fast AND secure ... AND inexpensive"*
- ◆ *One Size Does Not Fit All!*

ONEteam = **TOTAL SOLUTION**

Program + Technology + Operations



Special offer for attendees...

One-hour consultation to help with your DevSecOps journey or to determine if it's right for you.

Contact ASMgi to setup your call!
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