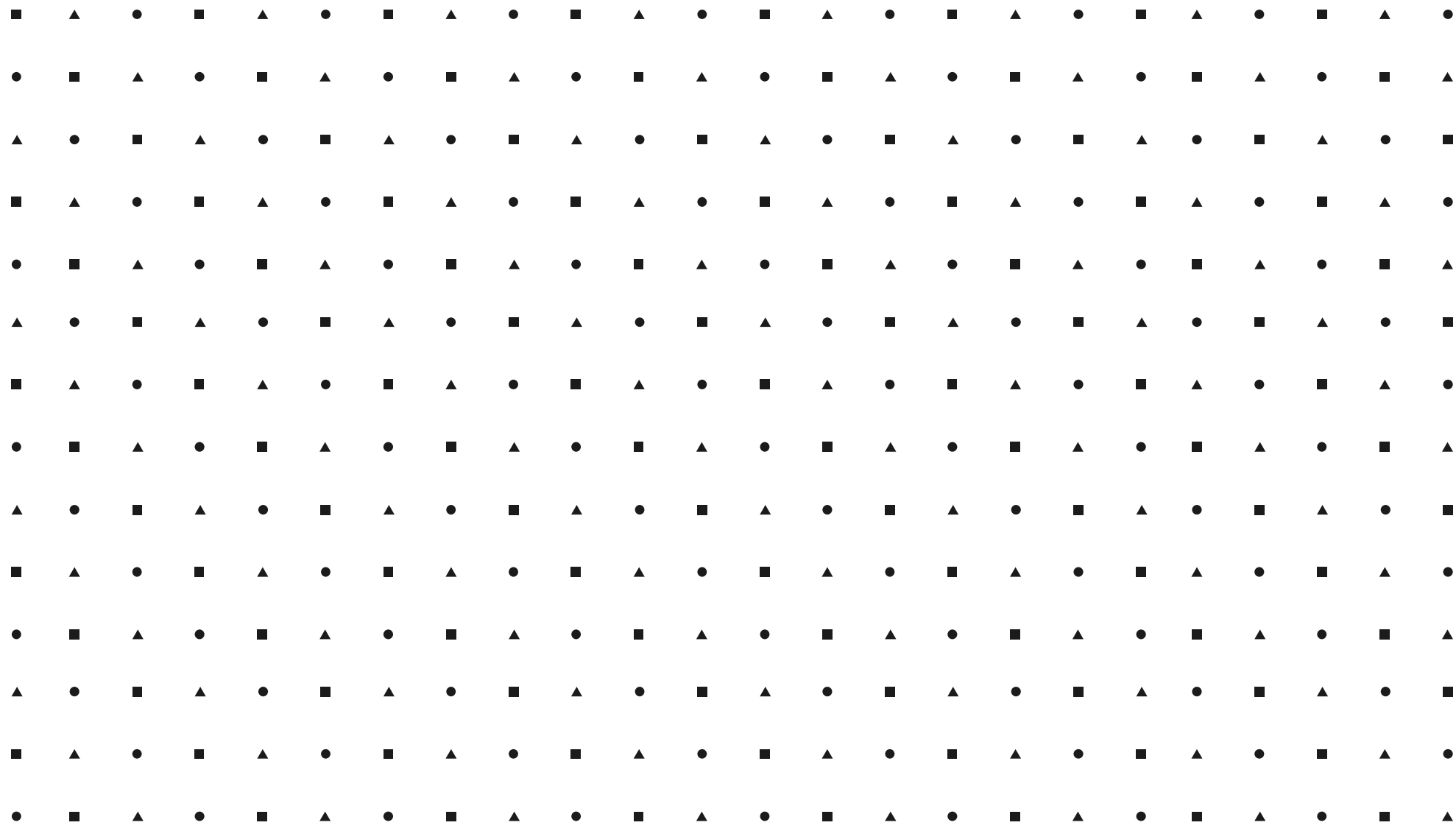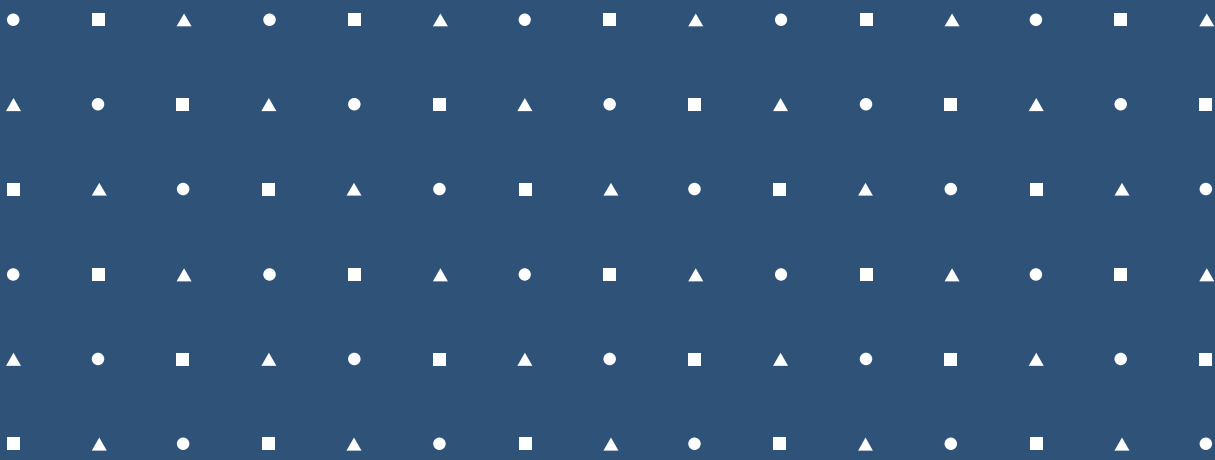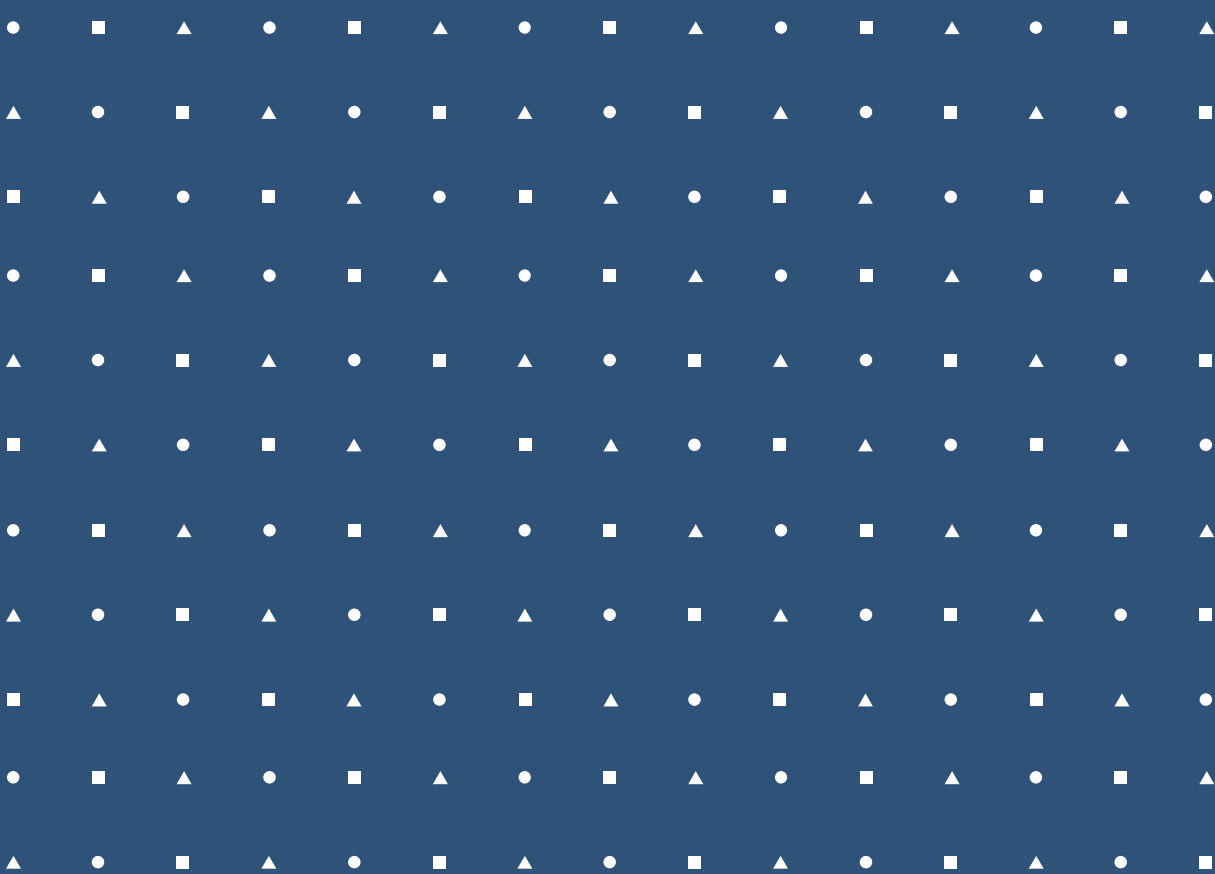# What is DevOps?

What is DevOps?

DevOps is the union of people, process, and products to enable continuous delivery of value to our end users.

The contraction of "Dev" and "Ops" refers to replacing siloed Development and Operations to create multidisciplinary teams that now work together with shared and efficient practices and tools.

- *Culture*
- *Automation*
- *Lean*
- *Measurement*
- *Sharing*

DevOps
INSTITUTE

What is DevOps & What is not DevOps?

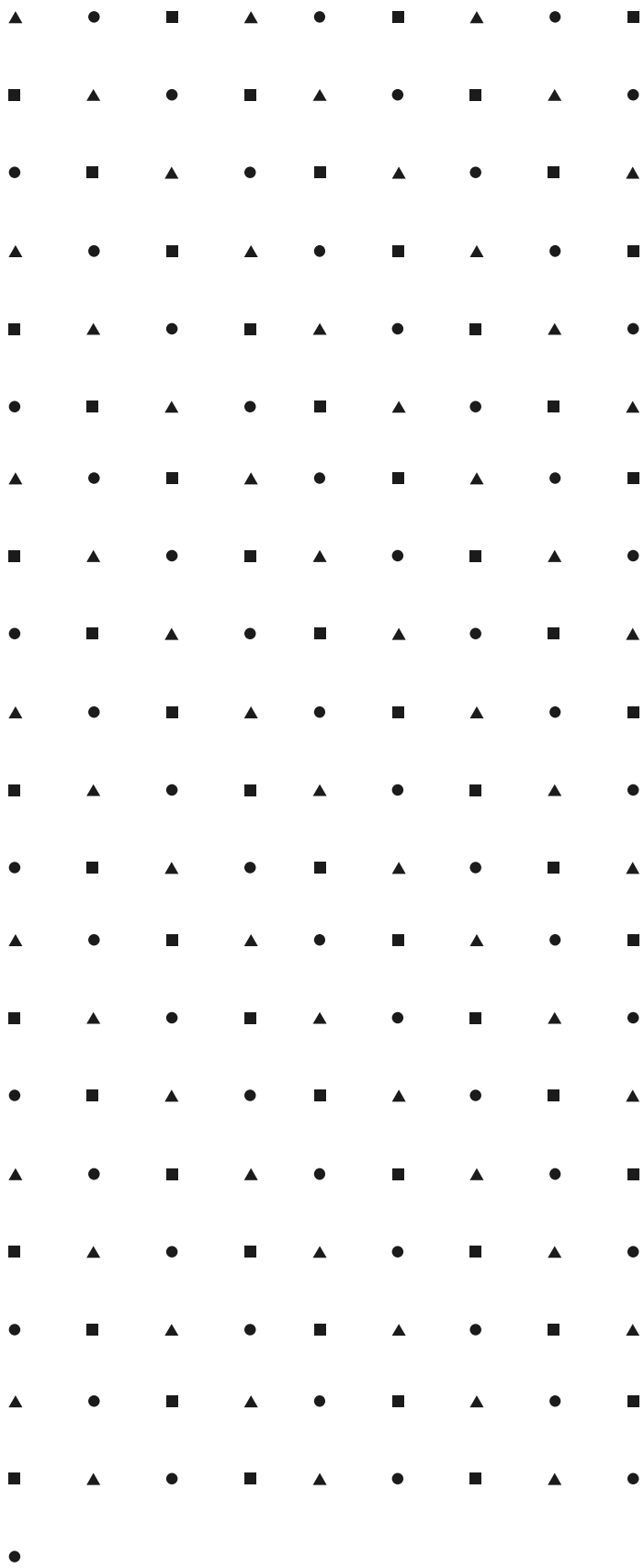| What DevOps is?	What DevOps is not?
• A practice	• A permanent team
• A culture & mindset	• A profession
• Collaboration	• Just software tool
• Agile operations	• Just code infrastructure
• Software approach for operations	• A system engineer
• Fast IT service delivery	• Standard IT service management

What is DevOps

DevOps Institute
DevOps Journey SKILbook

Principles:
DevOps Principles are Essential Foundations for Success
Core Values and Practices that Underpin DevOps Success

"Imagine a world where product owners, Development, QA, IT Operations and InfoSec work together, not only to help each other, but also to ensure that the overall organization succeeds.

By working towards a common goal, they enable the fast flow of planned work into production, while achieving world-class stability, reliability, availability and security."
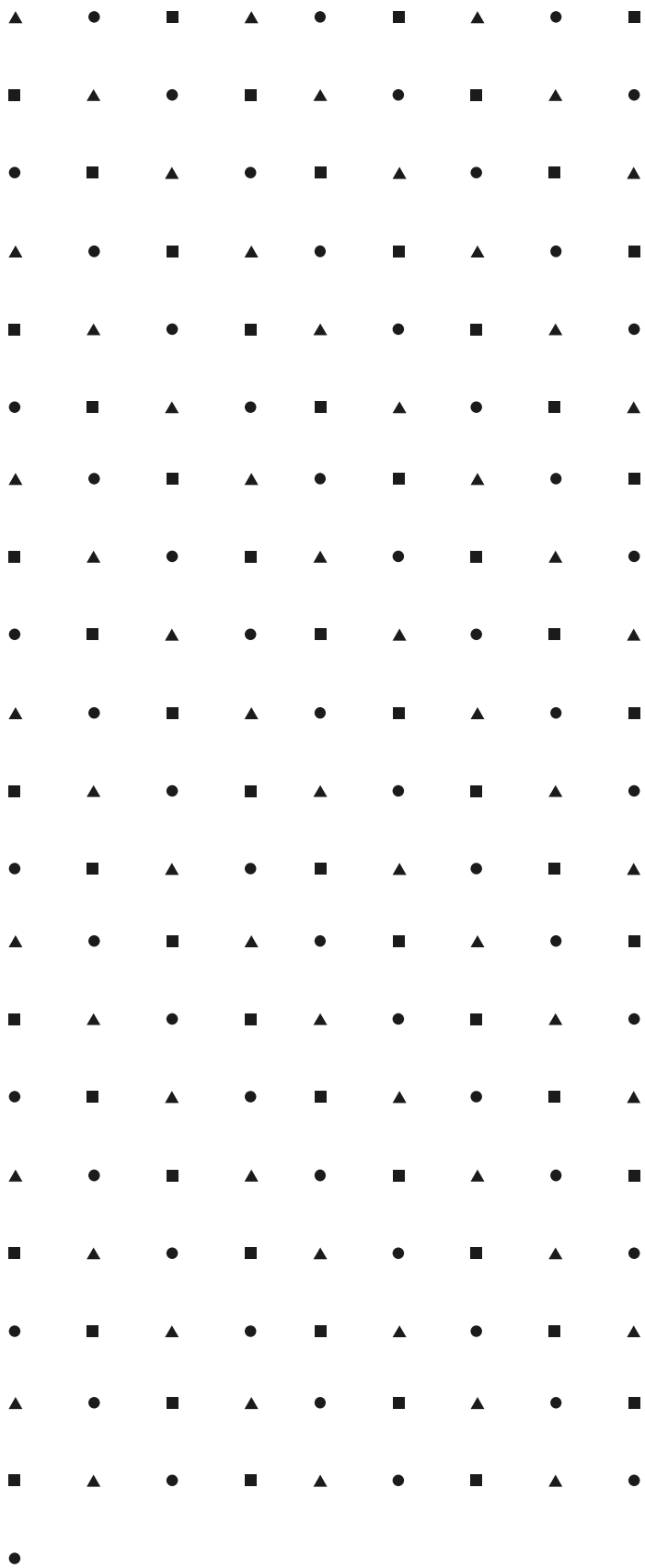
Why DevOps matter?
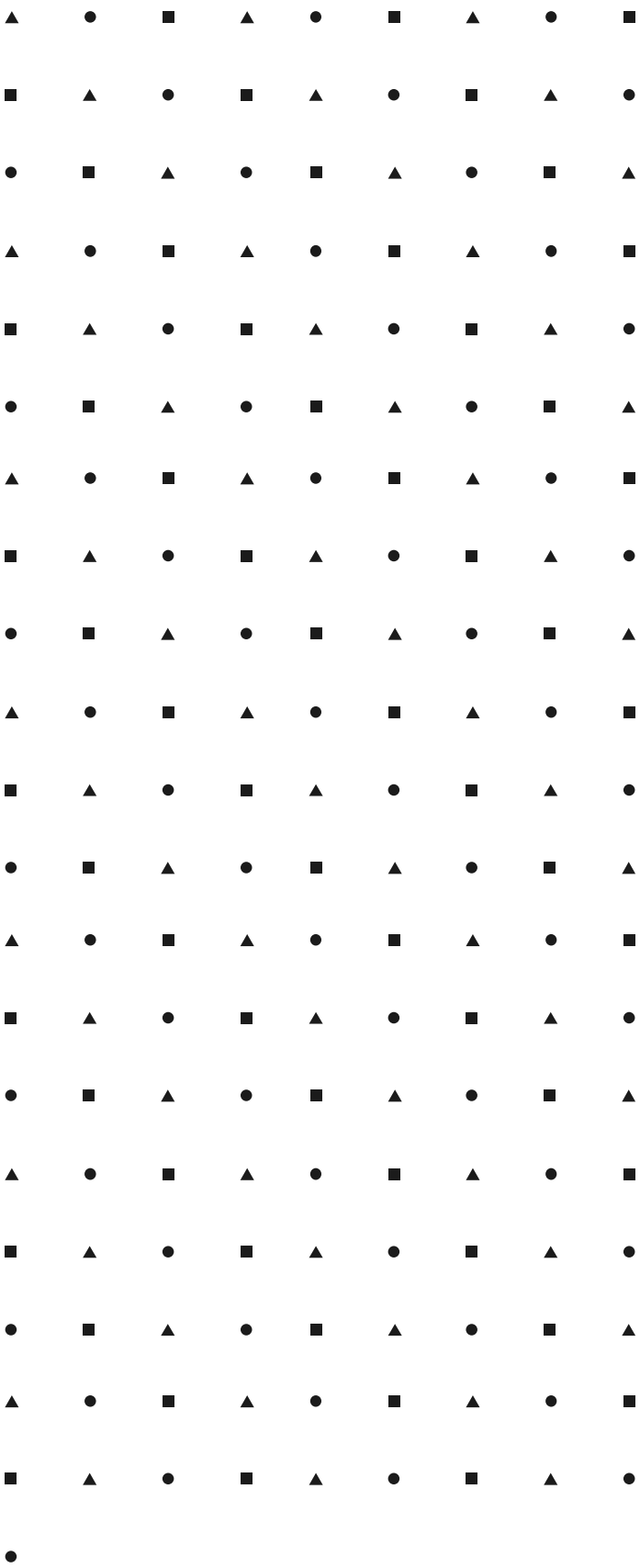
DevOps accelerates Digital Transformation

Digital is the main reason just over half of the companies on the Fortune 500 have disappeared since the year 2000

Pierre Nanterme
CEO of Accenture

Quote from former CEO of Accenture at World Economic Forum

All Companies are now sharing their DevOps Stories

Web Pioneers

- Amazon
- Netflix
- Etsy
- Facebook
- Salesforce
- Google

Financial Services

- Capital One
- Bank of America
- Barclays
- Wells Fargo
- ING Bank
- UBS
- American Express

Entertainment & Media

- Disney
- Sony Pictures
- Hearst
- Verizon

Insurance
- Nationwide
- Travelers
- Kaiser Permanente
- Hiscox

Manufacturing

- Apple
- LEGO
- Unilever
- Jaguar Land Rover
- Adidas
- Nike

Retail

- Target
- Nordstrom
- Sherwin Williams
- Macy's
- Walmart
- Starbucks

Business Benefits of DevOps

Higher-quality

More reliable

Faster pace

Resulting in
Accelerated time to market

Improved experience for customers
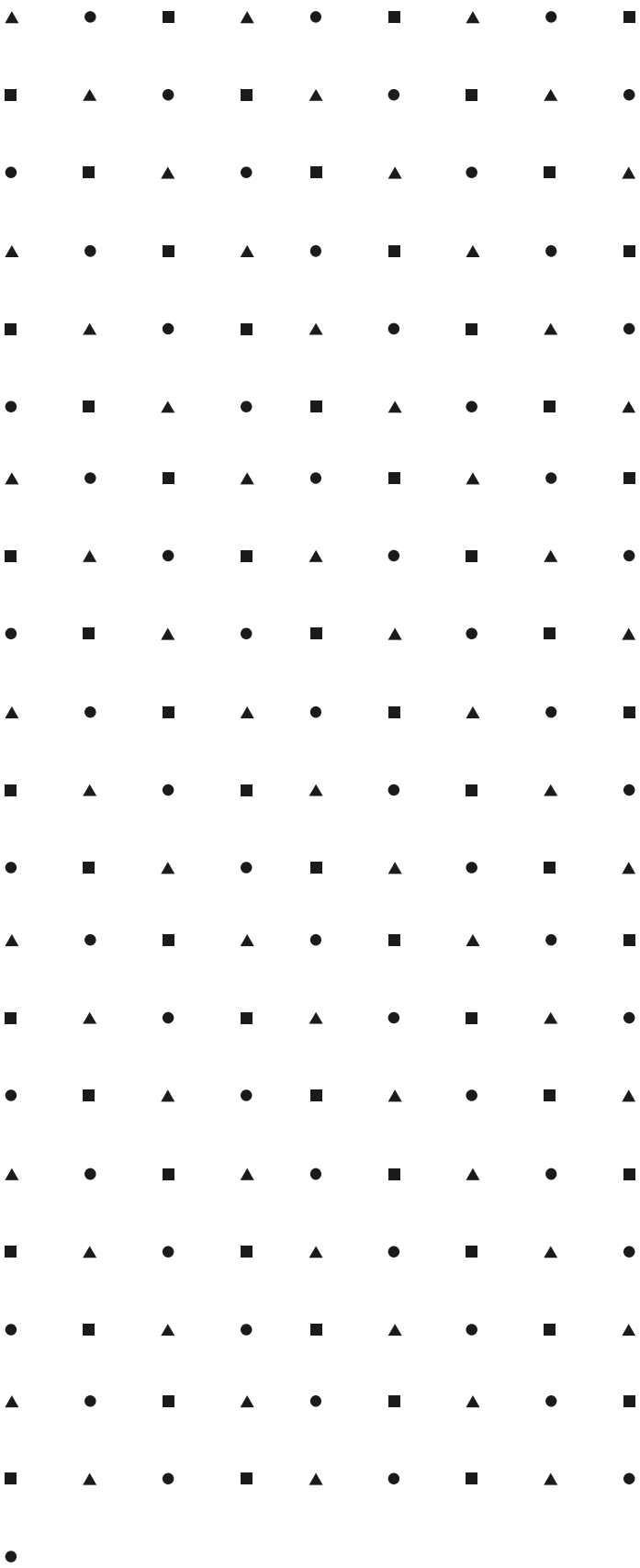
Increased revenue

Enhanced collaboration and communication,

Faster development and delivery processes

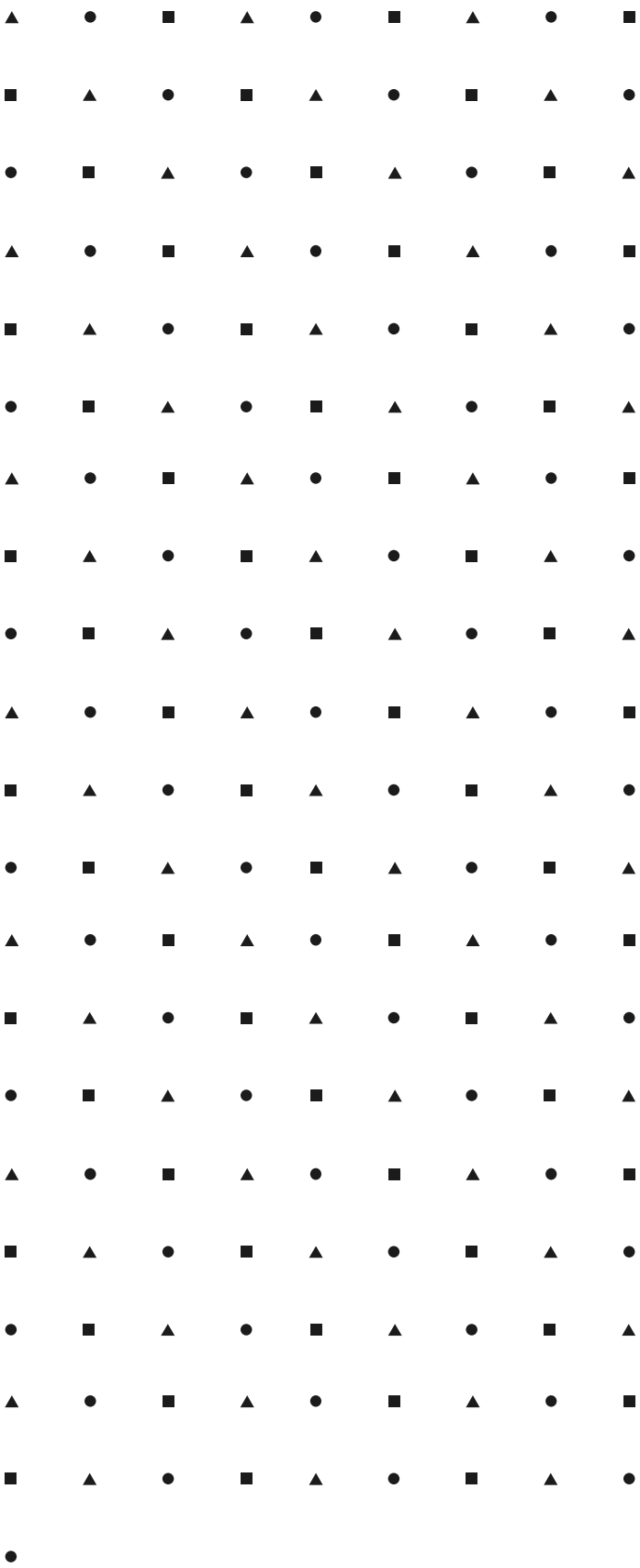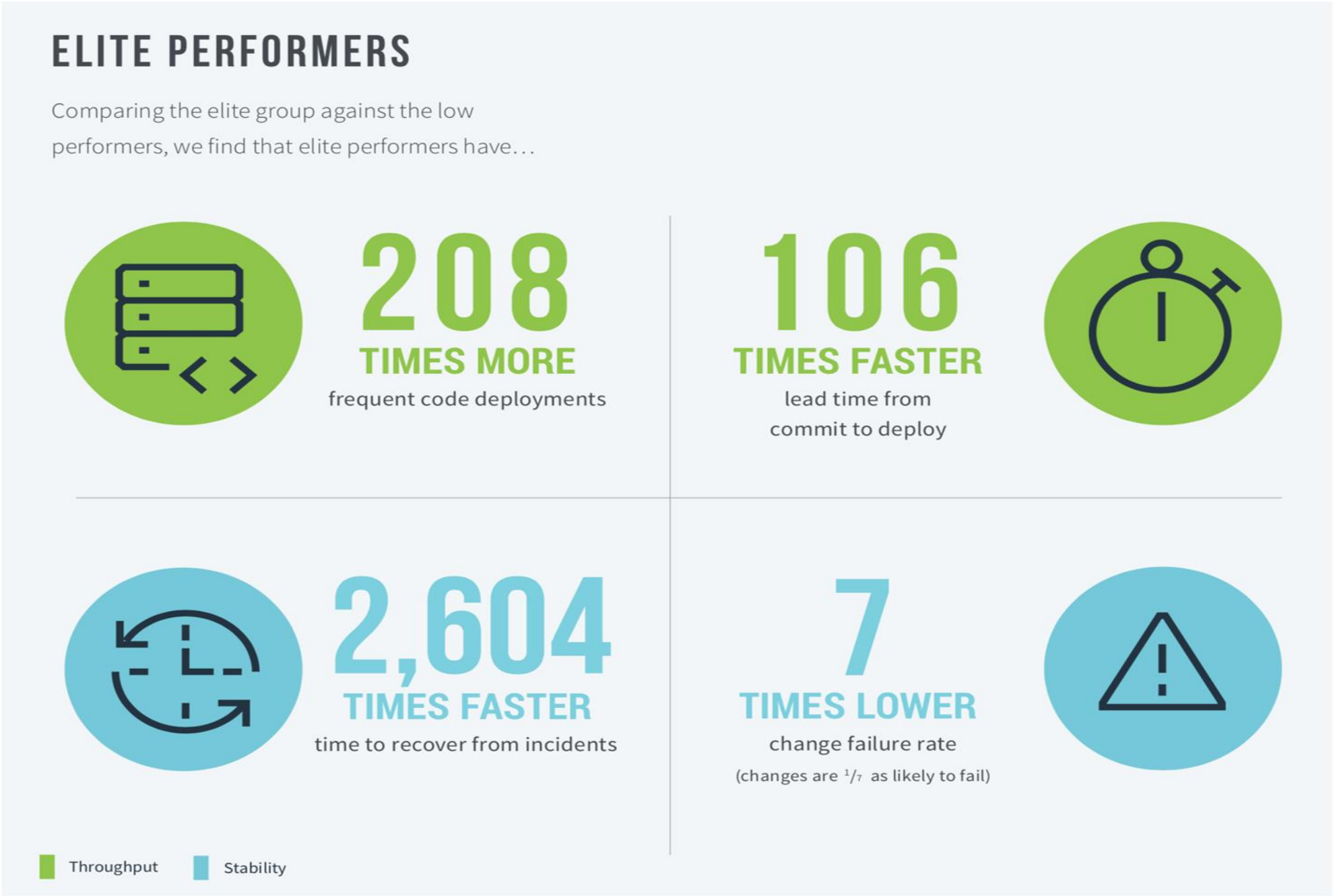While delivering features, fixes and updates.

Bridges the communications gap between developer teams and IT operations

Quickly deliver solutions that best match the needs of both the customer and the business.
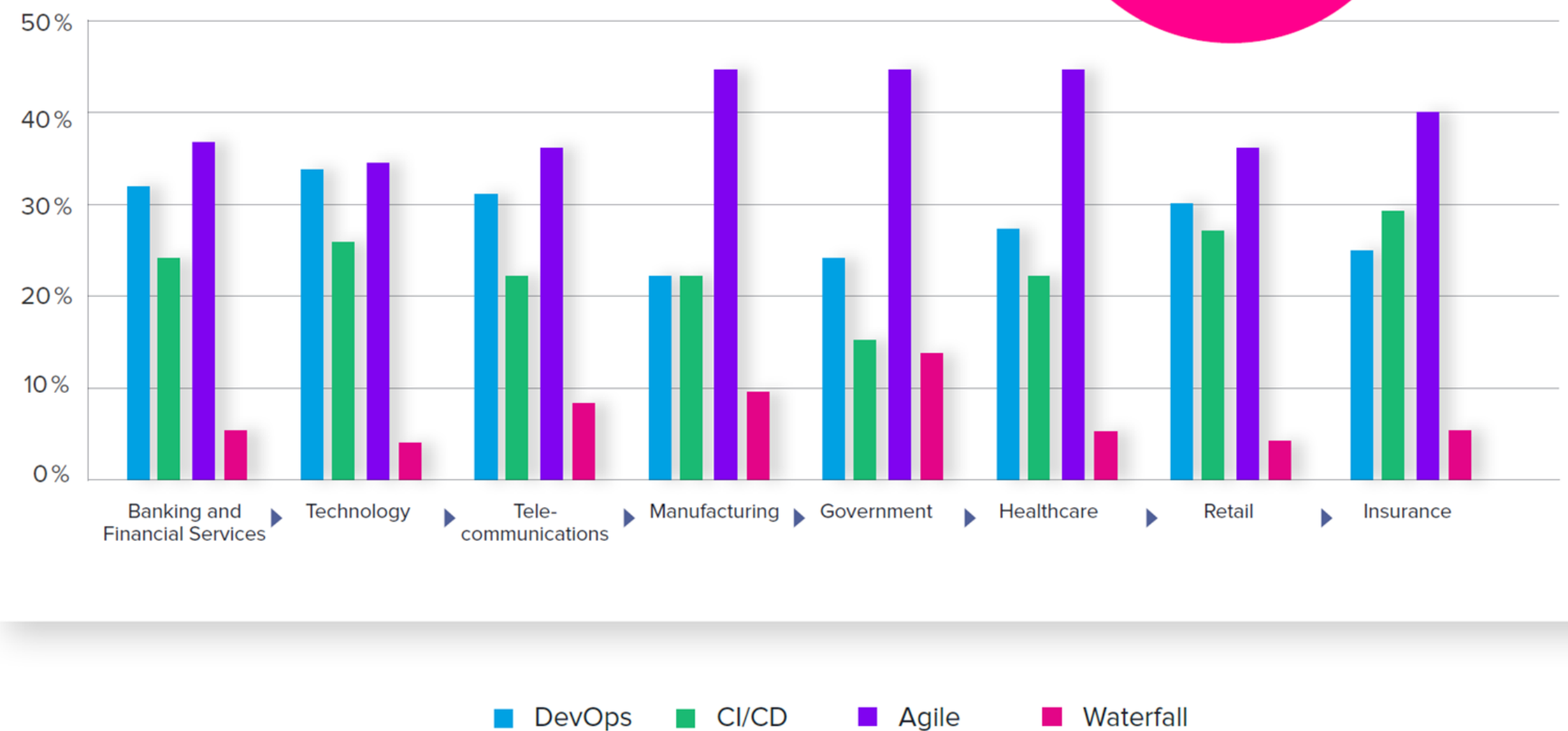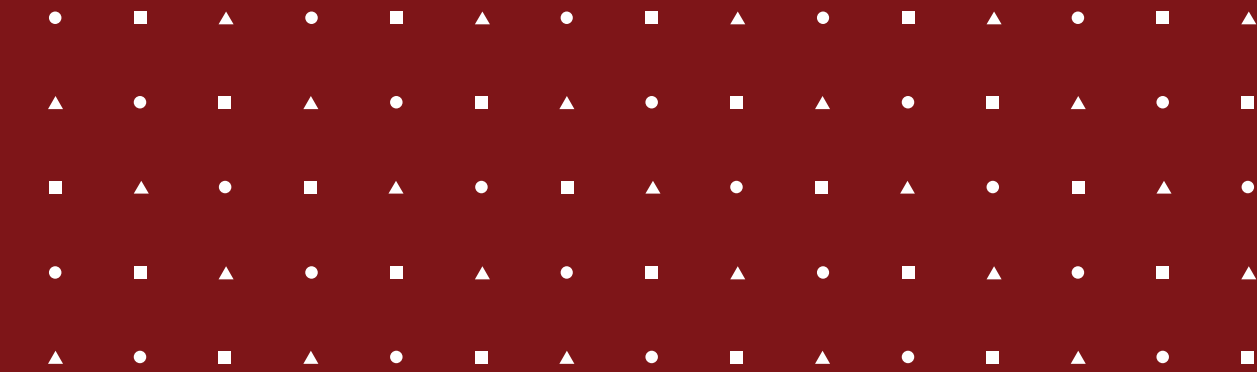
Business Benefits of DevOps

DevOps Adoption Across Sectors

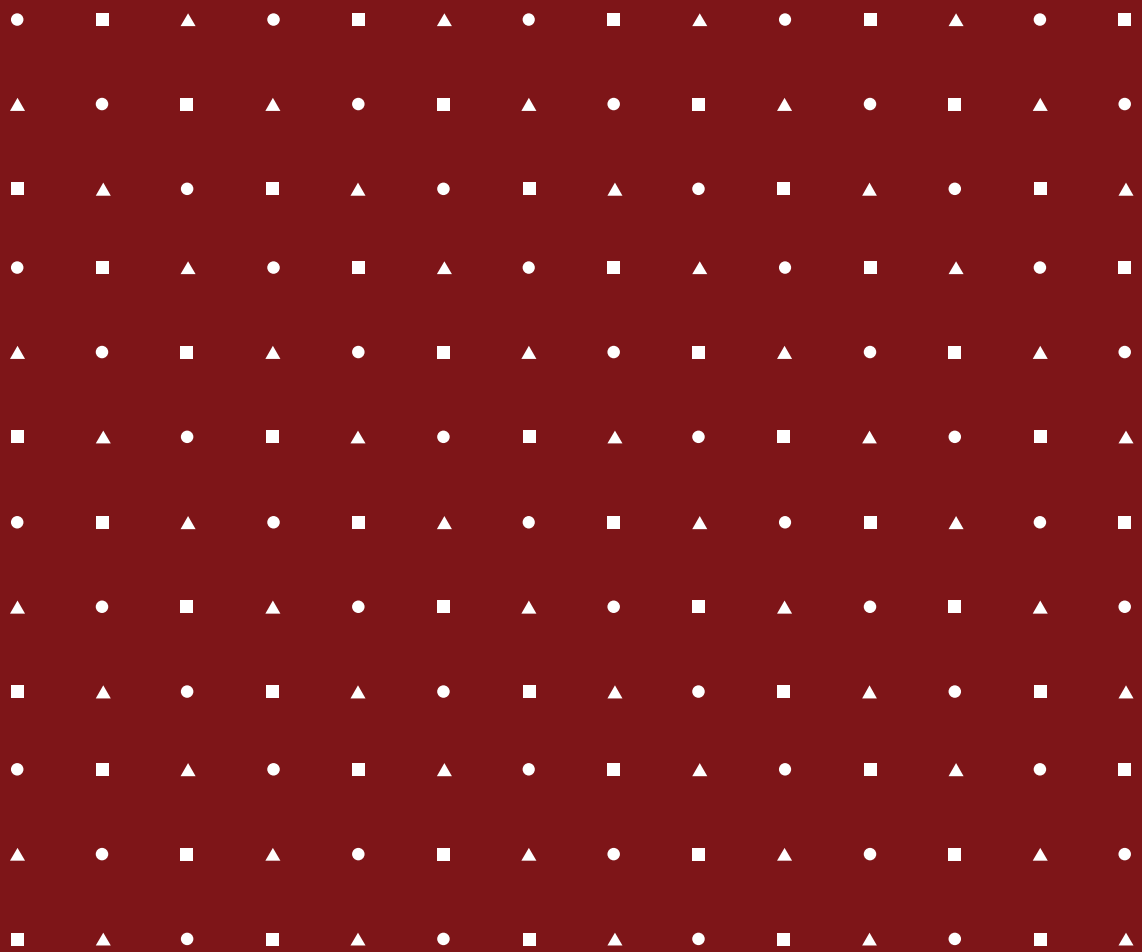**What type of development/deployment practices are used in your company?**

DevOps shows strength in Banking, Communications and Retail.

Legend: DevOps · CI/CD · Agile · Waterfall

DevSecOps Community Survey 2019

Key Challenges for Organizations

Decentralized IT communities

Need to upskill Individuals

Organizations facing talent gap

Need to improve software delivery

Need to align to enterprise goals

You can help by gaining DevOps skills to overcome some of these challenges