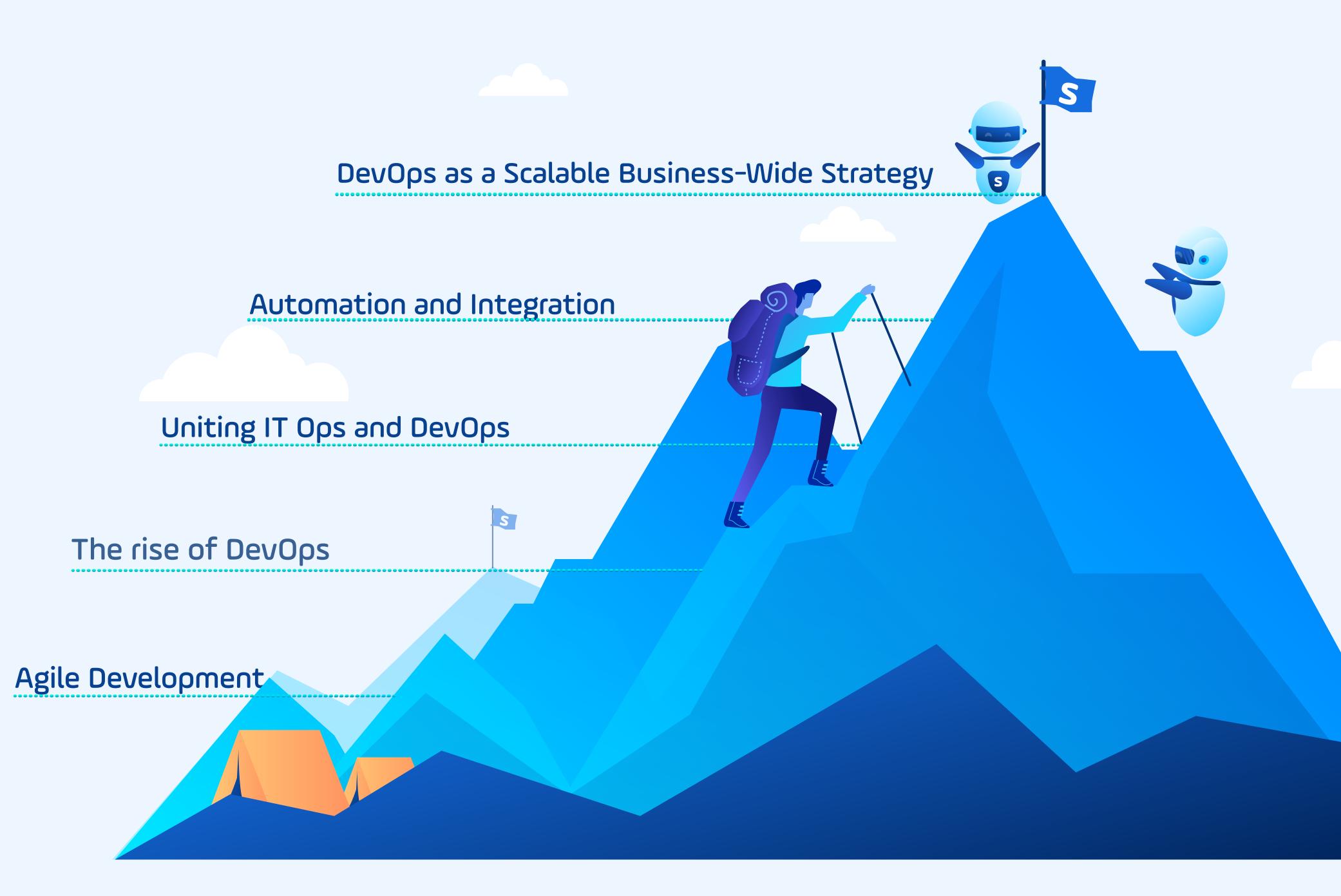
## 5 Stages of the DevOps Journey

How to Advance to What's Next

To determine the DevOps future requires looking at the DevOps past. More than a decade old, DevOps has gone through a significant transformation. While various enterprises might find themselves at any given stage of the DevOps journey, this infographic presents a full roadmap of the DevOps evolution.



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Agile Manifesto introduced agile development:

Focus on working smarter and



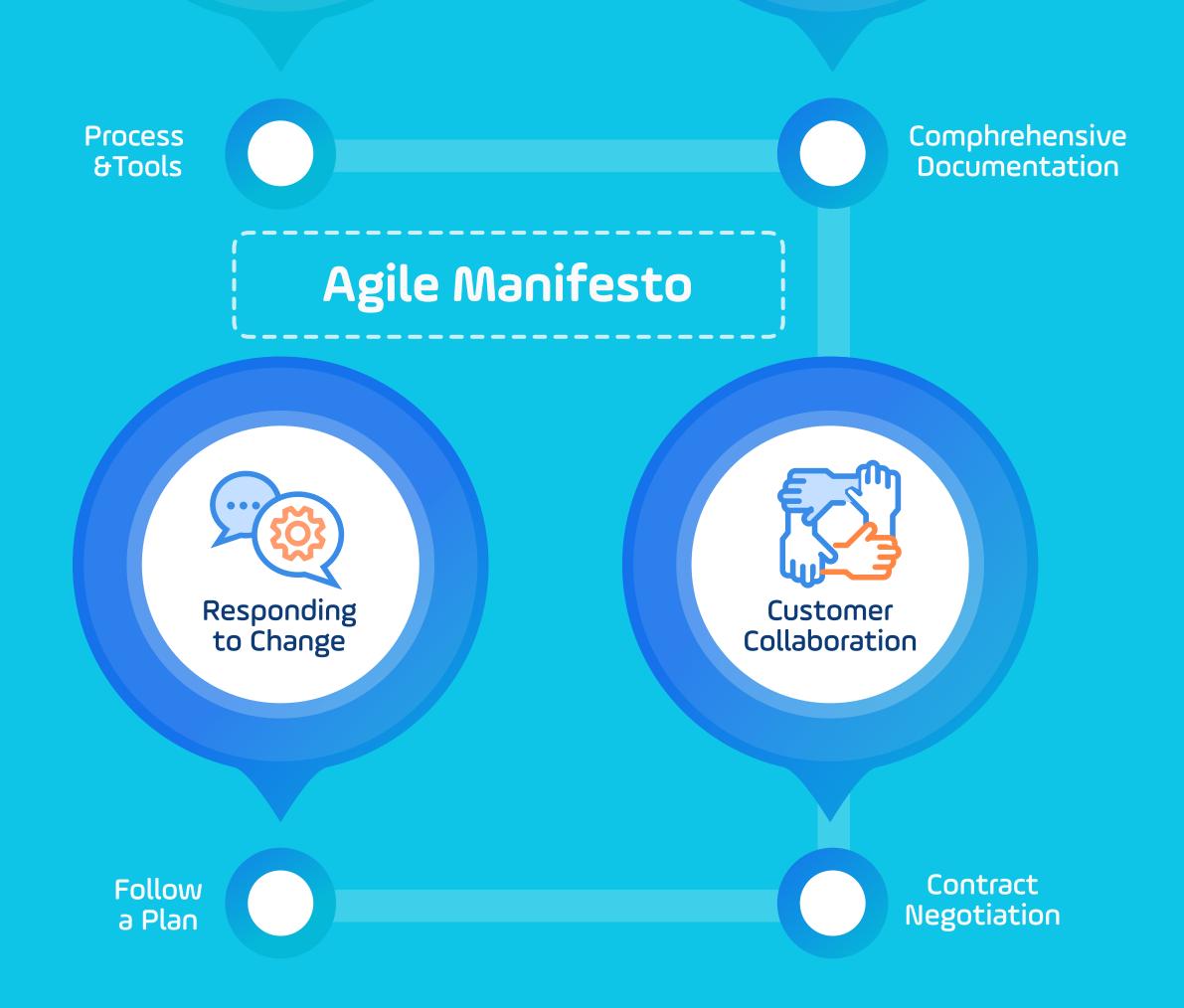
Low Devops

S

- more efficiently
- Development process is broken
   into smaller chunks "user stories"

#### **Outcomes:**

- Improved code production forefront
- Didn't help much with the still functionally-siloed TEST, DEPLOY and RELEASE processes
- The concept of DevOps was born





## The Rise of DevOps

Departure from traditional homogeneous IT department structure and accelerated adoption of DevOps practices

- Strive towards software
   deployment quality
   improvement
- Industry pressure to release
   code updates faster
- Version control and automated code deployment

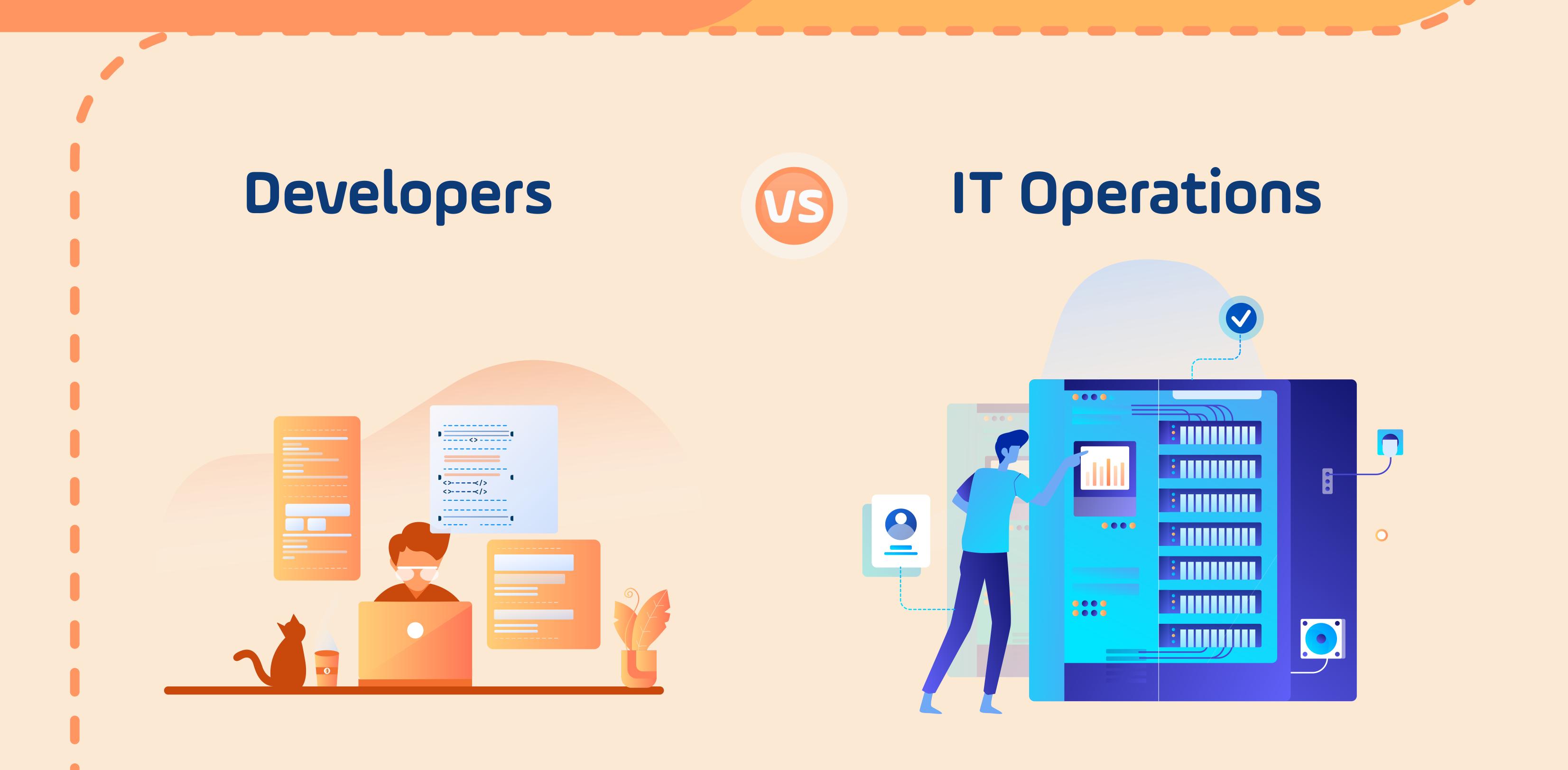
## Uniting Developers & IT Ops

#### Current Challenges

- Conflict within certain IT functions
   such as QA and Development
- Rigid Structure of traditional IT
   departments prevents agility
- Managerial disconnect between Dev and Ops
- Many Decentralized Stand-Alone
   DevOps Tools
- Lack of organizational support for
   DevOps

#### Developers and IT Ops Need Unity

- Achive higher org performance
- Create more cohesive and holistic IT teams
- Improve entire product lifecycle
- Improve org culture
- Enhance employee engagement





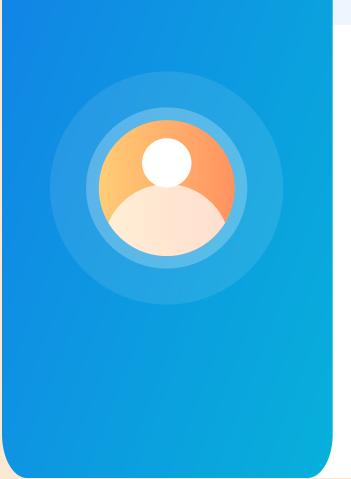
#### Goal: Speed & Agility

#### **Duties:**

- Analyze user needs
- Design and test software
- Regular code roll-outs
  Achieve release targets

Needs: Flexibility and support from Ops

Goal: Stability & Security



#### **Duties:**

- Deploy infrastructure
- Oesign IT automation
- Monitor IT environment
- Maintain system security

Needs: Empower and collaborate with Dev

## The Challenge for Each Team: the Speed of Progress

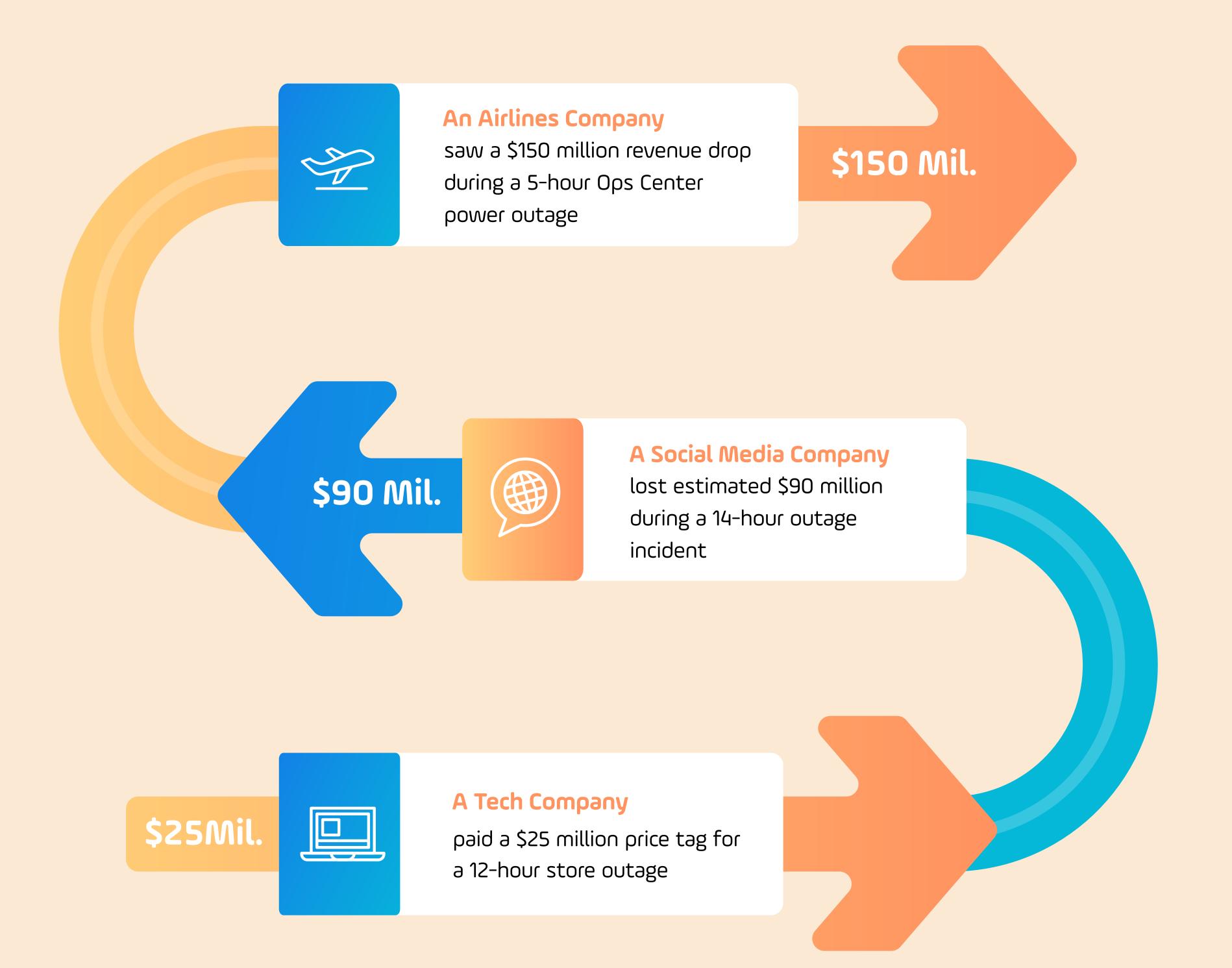
IT Ops is charged with avoiding expensive downtime, empowering users with improved platform infrastructure and reducing support costs



Driven by the speed of Big Tech, the pace of software development is picking Up...



But moving fast is hard without breaking things...

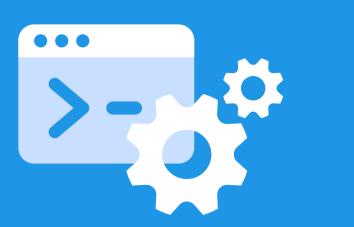


## Average DevOps Evolution

## DevOps Automation and Scaling

#### **Continuosly Envolving Toolchain**

 DevOps toolchain continues to grow with tools constantly shifting in and out of the



#### Coding Skill Gap

Older generations of developers are power coders and can automate individual

#### toolchain

- Toolchain automation solutions require endless integrations capacity to apply automation to new toolchain additions
- Flagship CI/CD tools are facing competition
   from new lighter and more agile entrants

processes as needed. Younger DevOps team members are not strong coders and prefer automation tools to overcome automation challenges

**9** 



Scaling DevOps:

**Biggest Obstacles** 

#### Random Acts of Automation

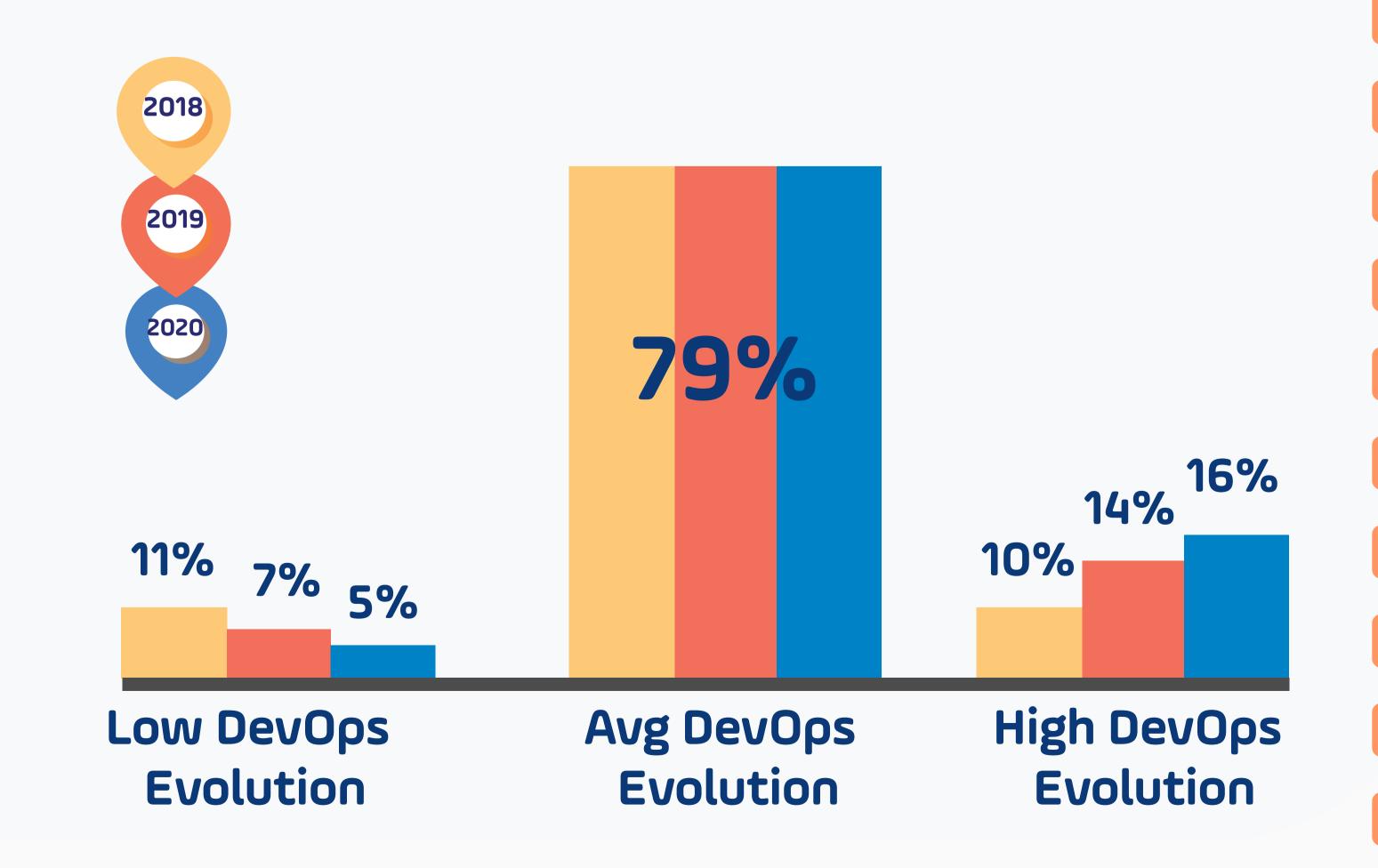
Code-savvy senior developers often automate individual tasks as a means to an end by writing a script or using a point automation to solve an immediate problem and move on. In a short run, their goal is achieved. In a long run, disparate pocklets of automation create automation silos, toolchain interoperability breaks, and security concerns come up.

#### Enterprise-Wide Scaling Challenges

In most organizations, DevOps success is limited to one-off wins and isolated pockets of success. Many enterprises struggle to scale it further. Automation without orchestration achieves limited results and prevents the entire IT eco-system from benefiting fully from it.

% of Organizations in Various Stages of DevOps Evolution in 2018-2020





## The DevOps Dilemma

How to scale and become a part of viable long-term business strategy?

#### The Answer:

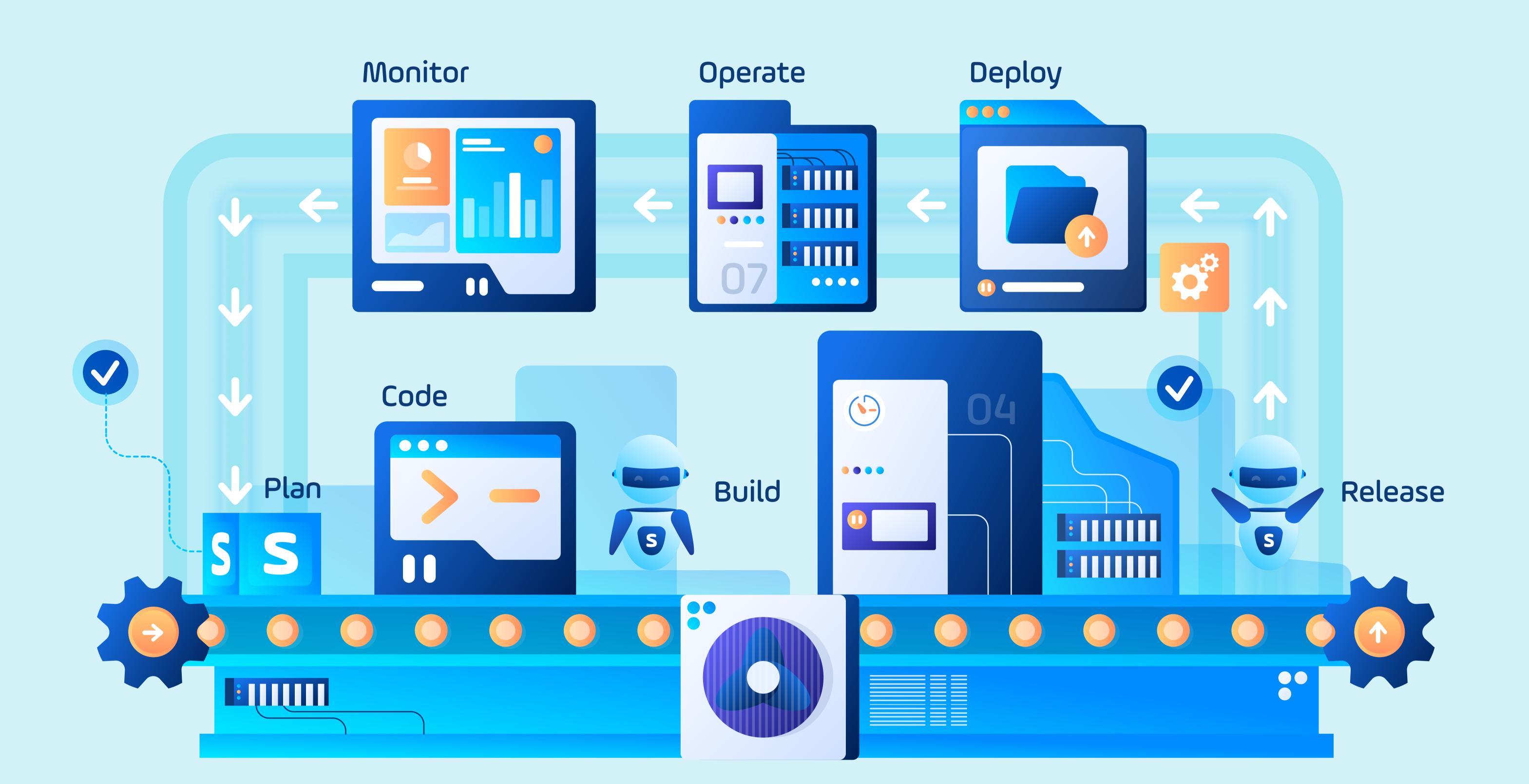
# DevOps Orchestration

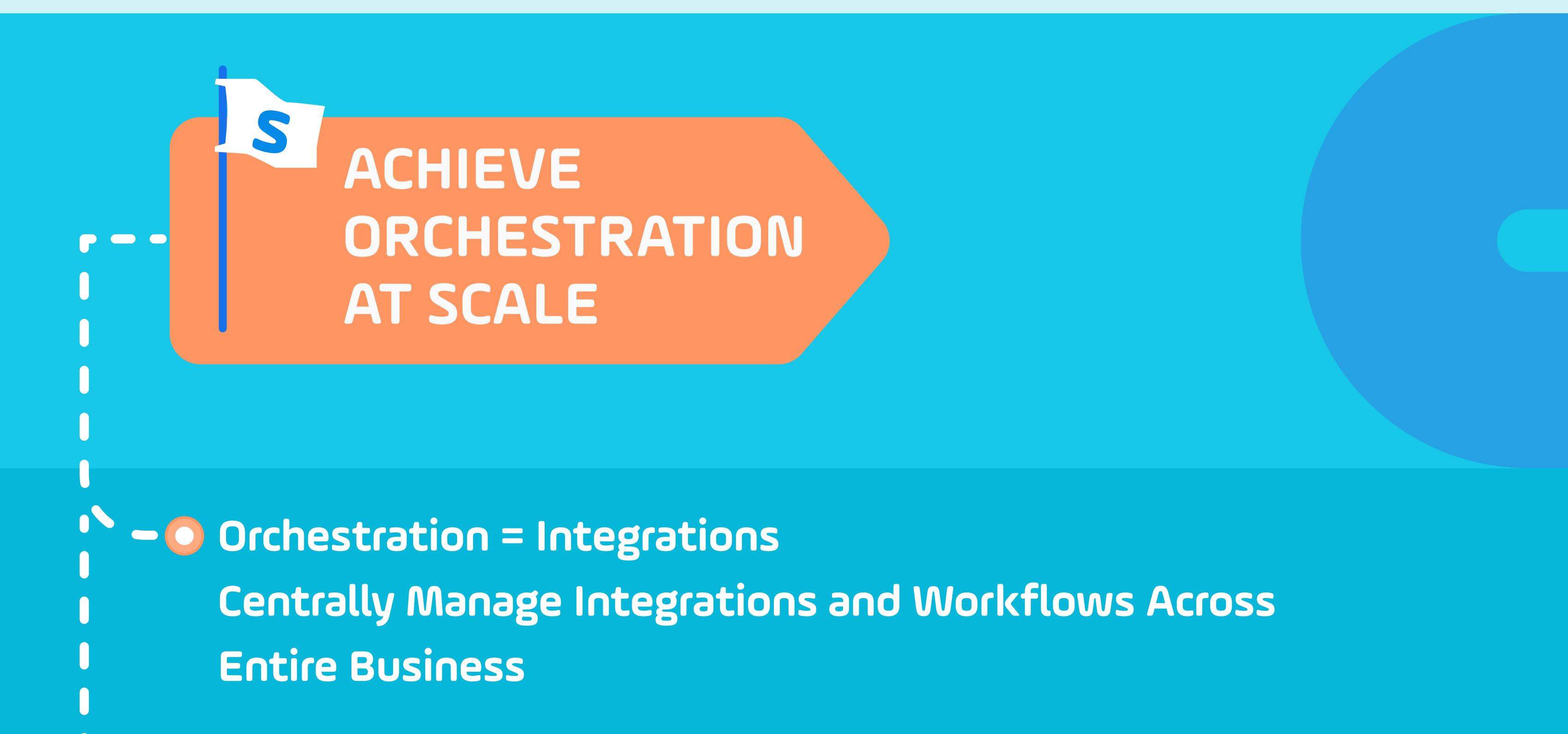
# High DevOps Evolution

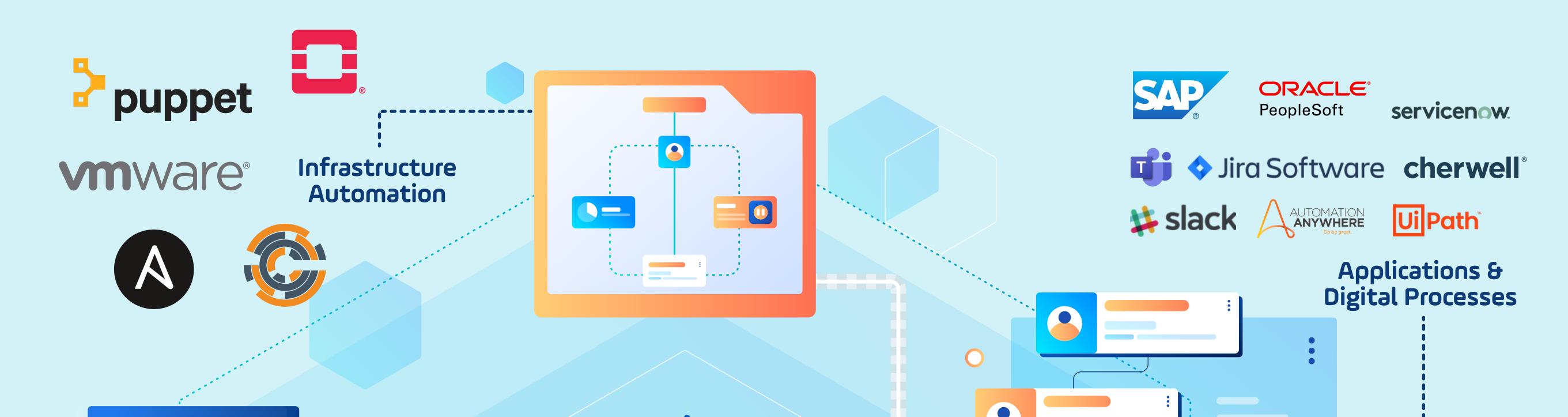
# How do you reach Devops Maturity



- Central Orchestration of DevOps Processes: **NO MORE Random Act of Automation**
- Achieve Synergy across DevOps, IT Ops, Platform Ops, and Data Ops with Self-Service Automation
- Improve Agility and Time to Market with Limitless CI/CD Tools integrations

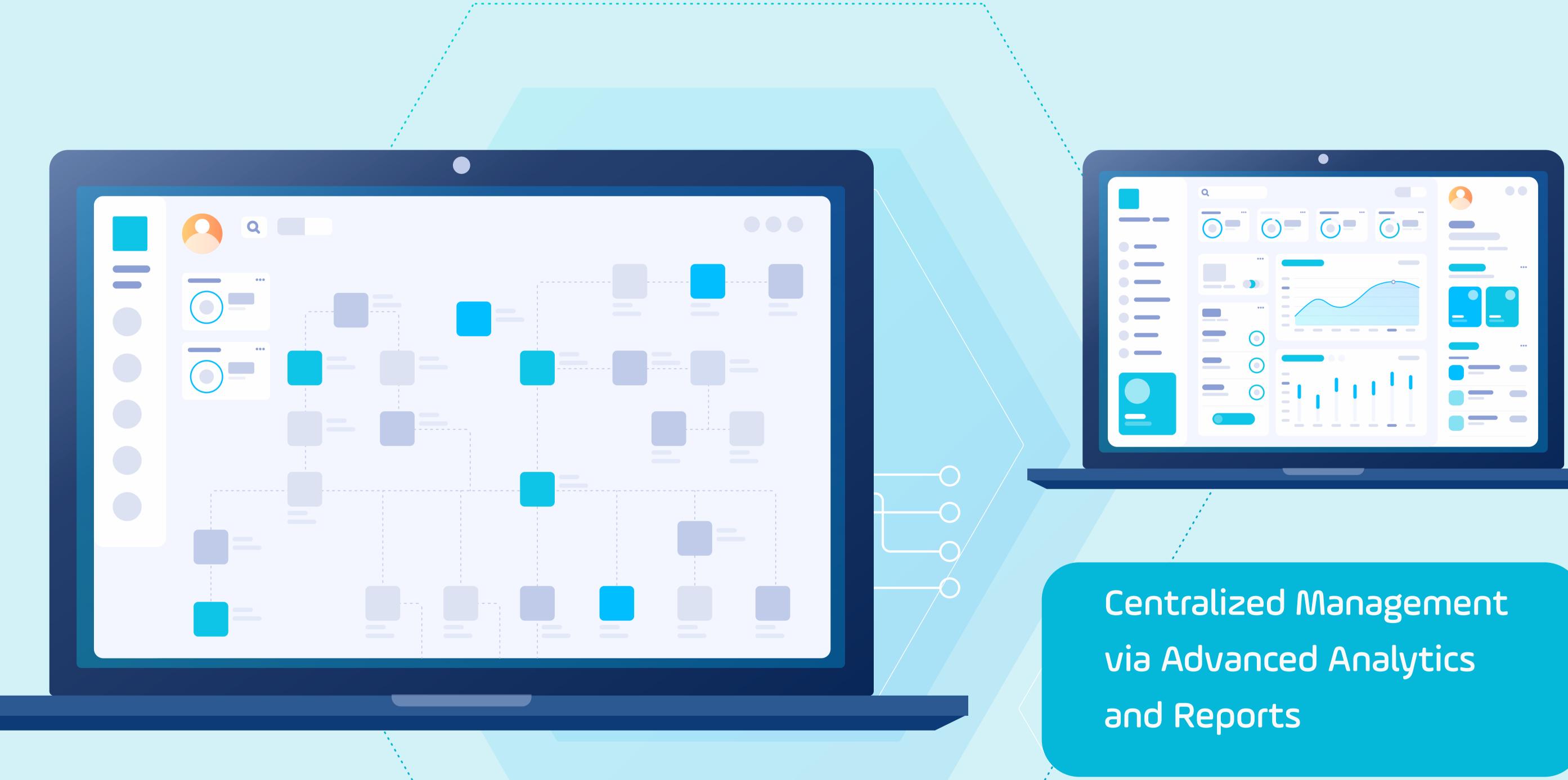








Visual Orchestration of Entire Toolchain Automation for End-to-End Process Visibility and Alerts



## stonebranch



### Empowering DevOps to Reach What's Next

Within the Stonebranch Universal Automation Center (UAC), DevOps orchestration and automation is designed to create synergy between IT Ops, Platform Ops and developers while also improving customer value streams. Enterprises use the UAC to centrally orchestrate the automated processes across the DevOps toolchain. In addition, the UAC platform helps improve the speed and communication required to seamlessly develop, test and promote new apps into production.

#### Learn more about the UAC platform

1. Stonebranch, 2021. The Missing Link for DevOps: How to Scale by Orchestrating What Others Automate. [online] Alpharetta: Stonebranch. Available at: https://www.stonebranch.com/resources/whitepaper-the-missing-link-for-devops