

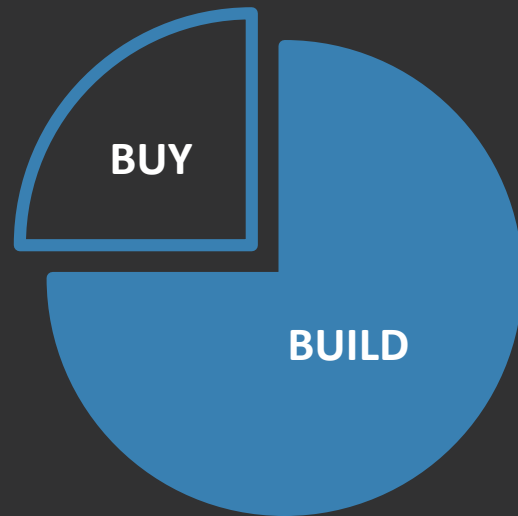


# Workflow Orchestration Embedded in Your DevOps Tool Chain



# Investing in applications more than ever

To drive **business operations...**

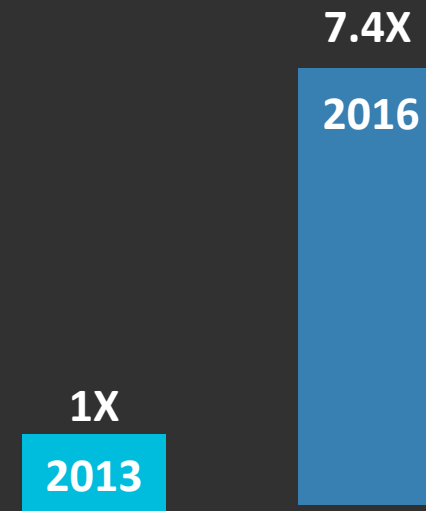


3 in 4 enterprise applications developed in-house, requiring automation to scale



Source: Gartner

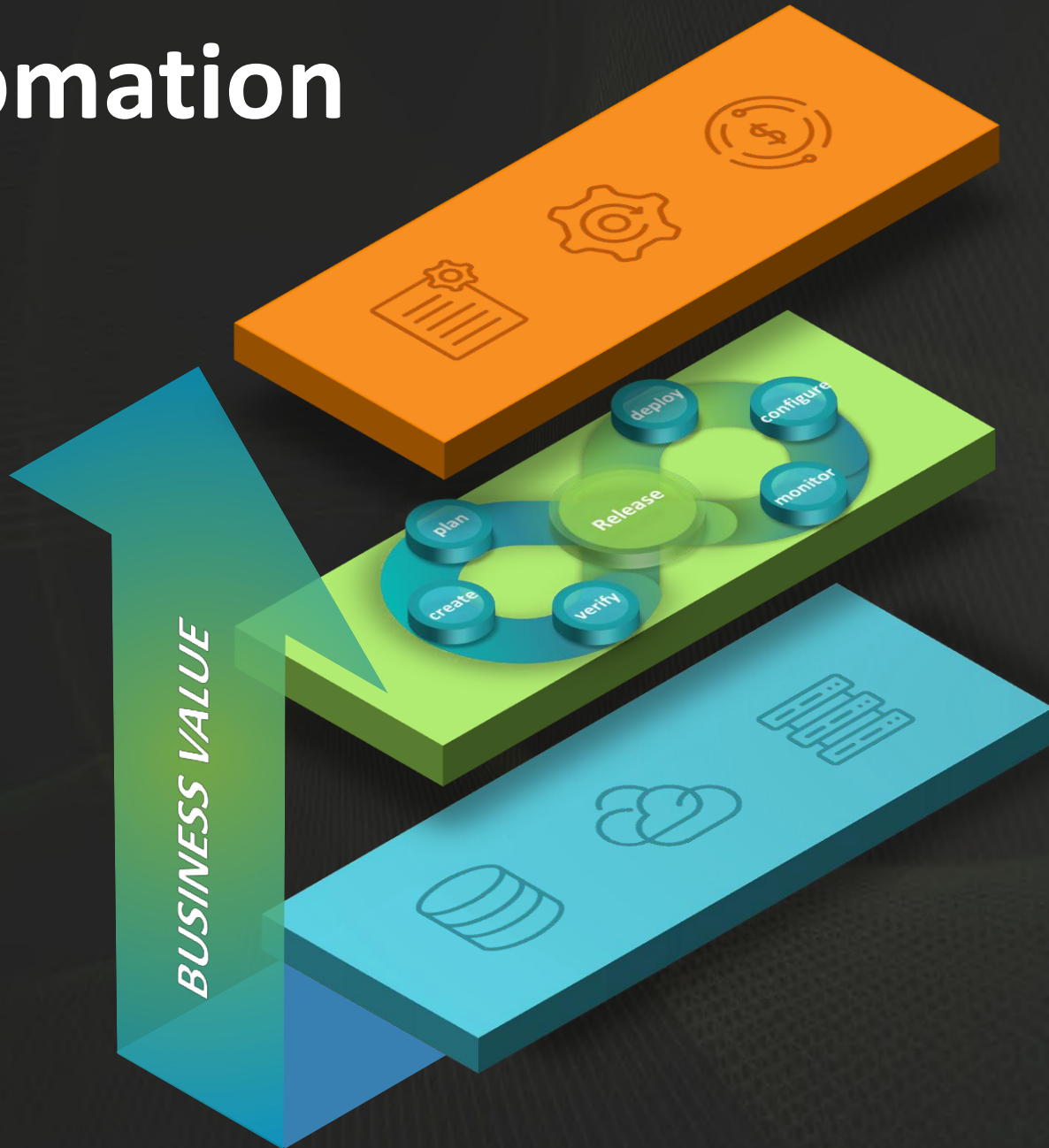
To drive **revenue...**



7.4X more organizations have implemented a mobile app strategy by 2016, compared with 2013

Source: RedHat

# Automation



**Application Workflow  
Orchestration**  
Services-centric

---

**Application  
Build & Release**  
Collaboration-centric

---

**Infrastructure  
Optimization**  
Technology-centric



# Business Application Workflow Orchestration Challenge



# Business Application Workflow Orchestration





# Workflow Orchestration that meets Operational Standards

- End to end workflow connectivity
  - SLA management with intelligent predictive analytics
  - Auditing for compliance and governance
  - Logs and outputs capture and management
  - Scalability and stability
- 
- A group of five business professionals in a meeting room, leaning over a table and reviewing documents. The scene is dimly lit with a blue and grey color palette, suggesting a professional and collaborative environment.

# Pressure to deliver faster with higher quality

*DevOps adoption helps to realize these benefits*



200x

More Frequent  
Deployments



24x

Faster Recovery  
From Failures



3x

Lower Change  
Failure Rate

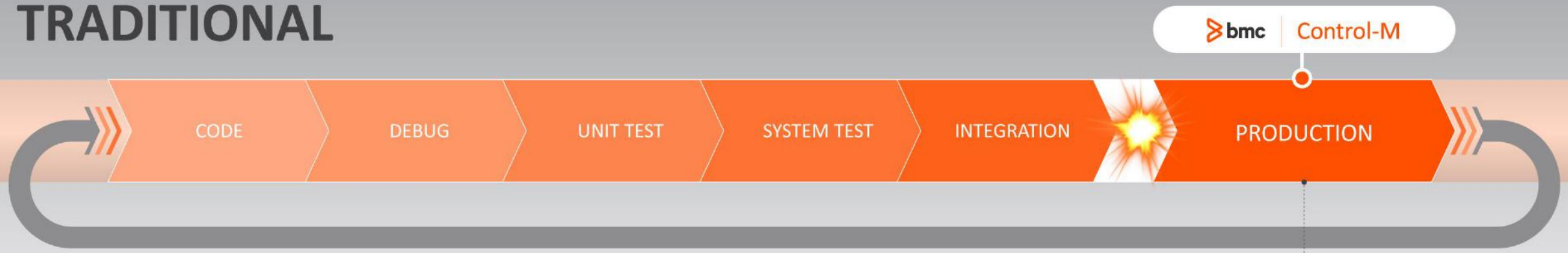


22%

Less Unplanned  
Rework

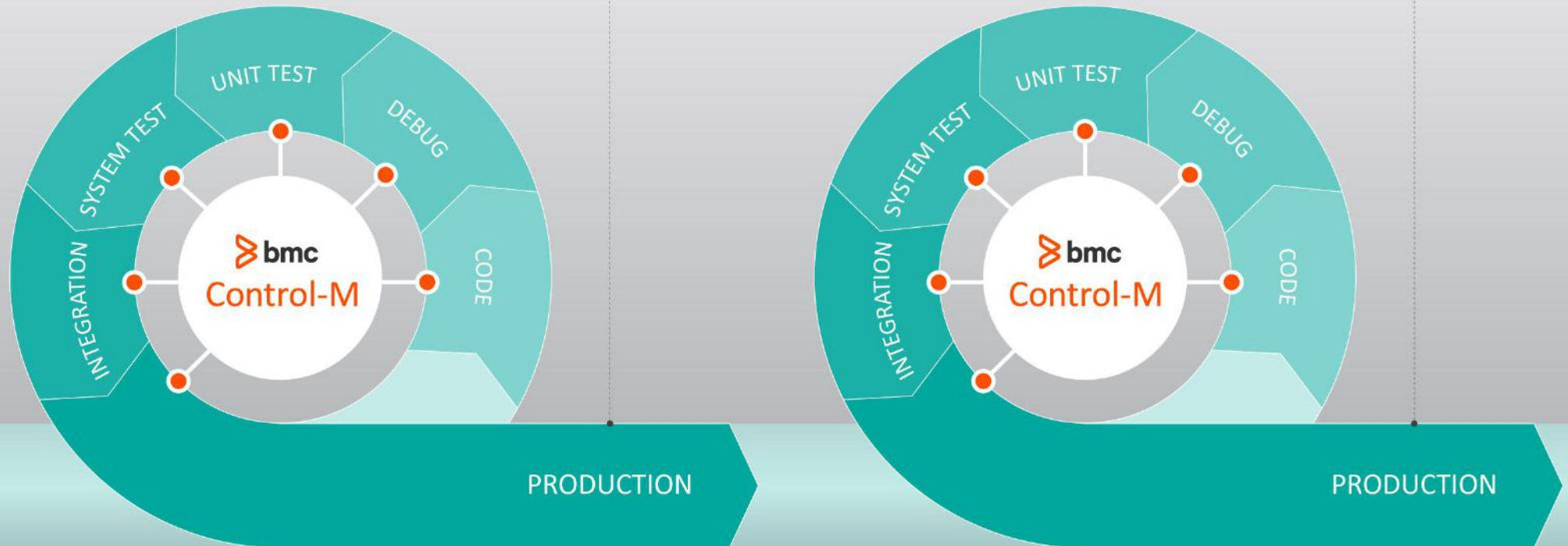


# TRADITIONAL



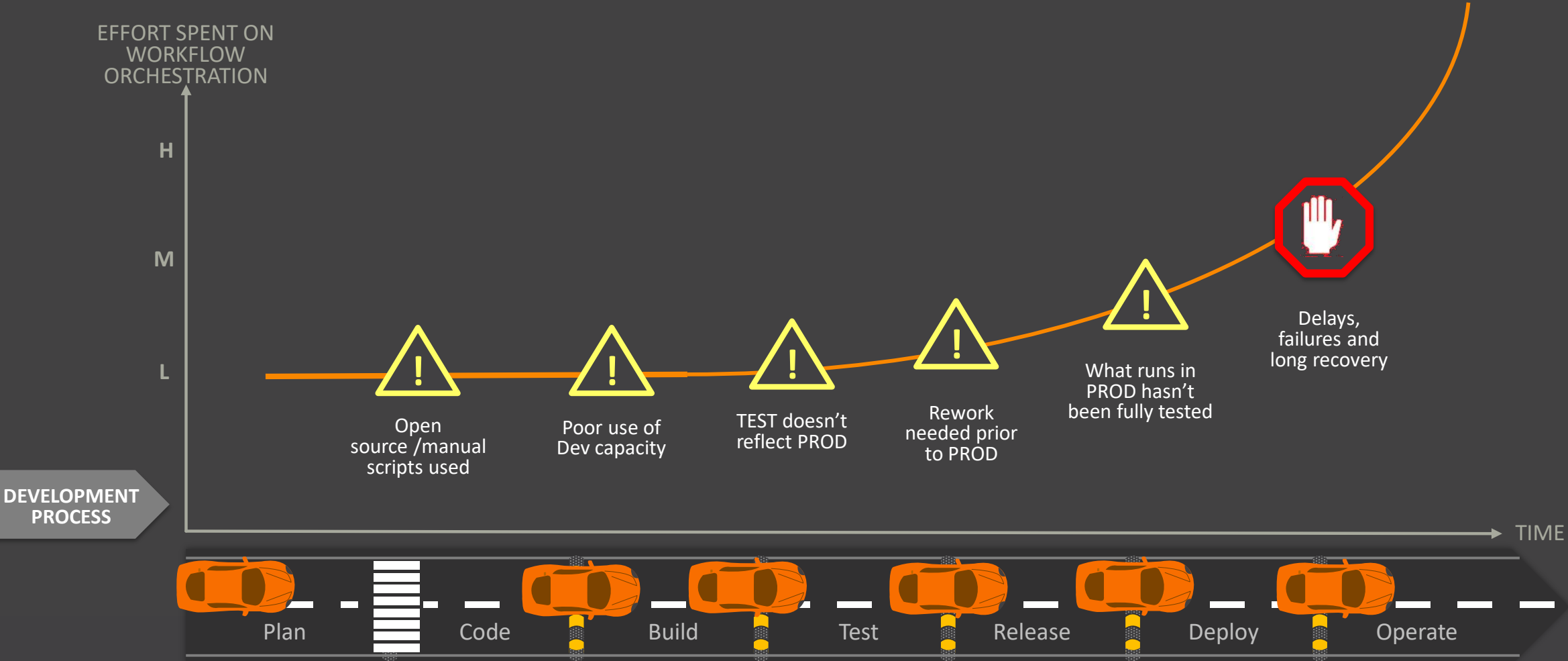
TIME TO PRODUCTION

# DIGITAL

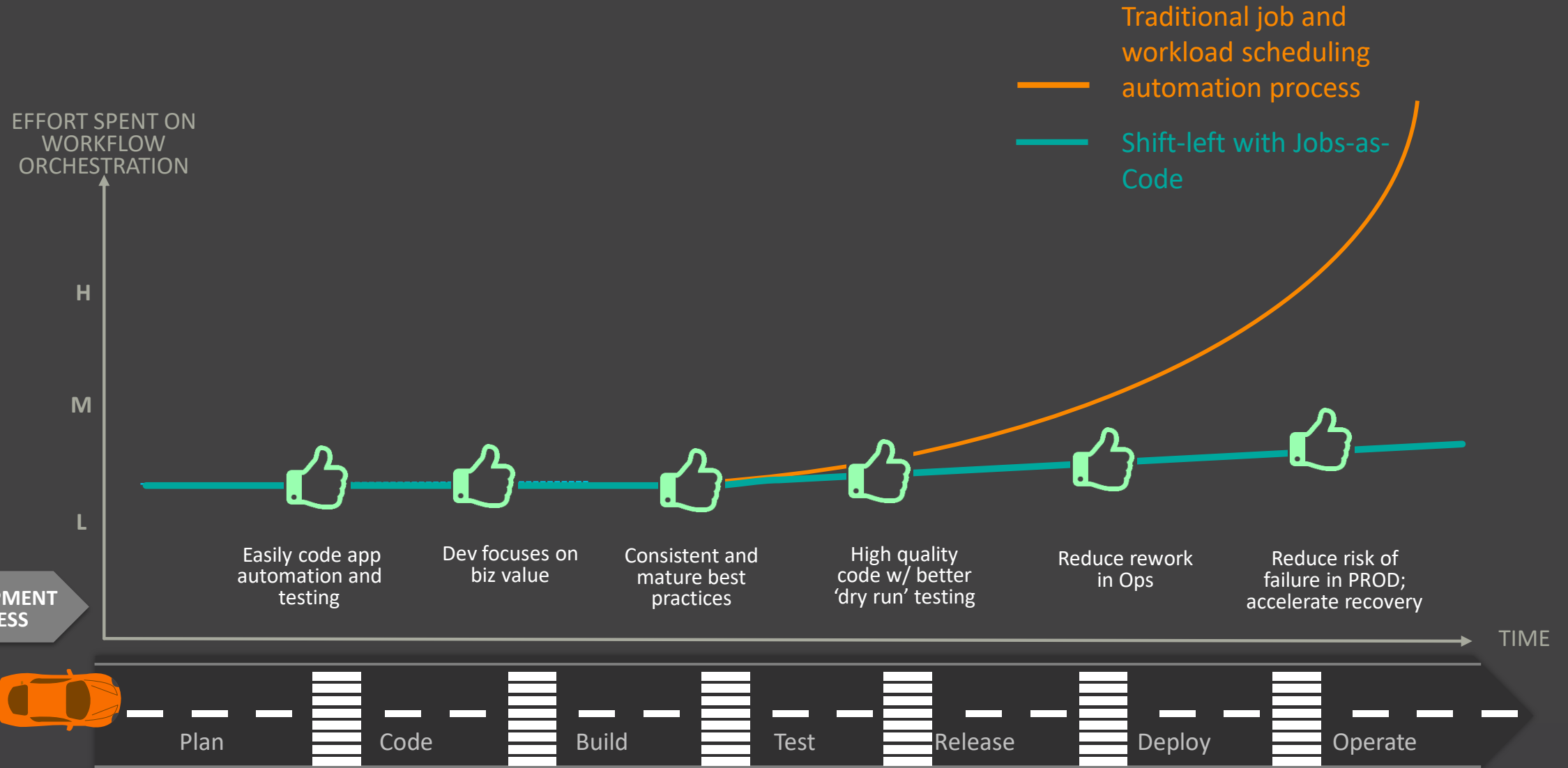




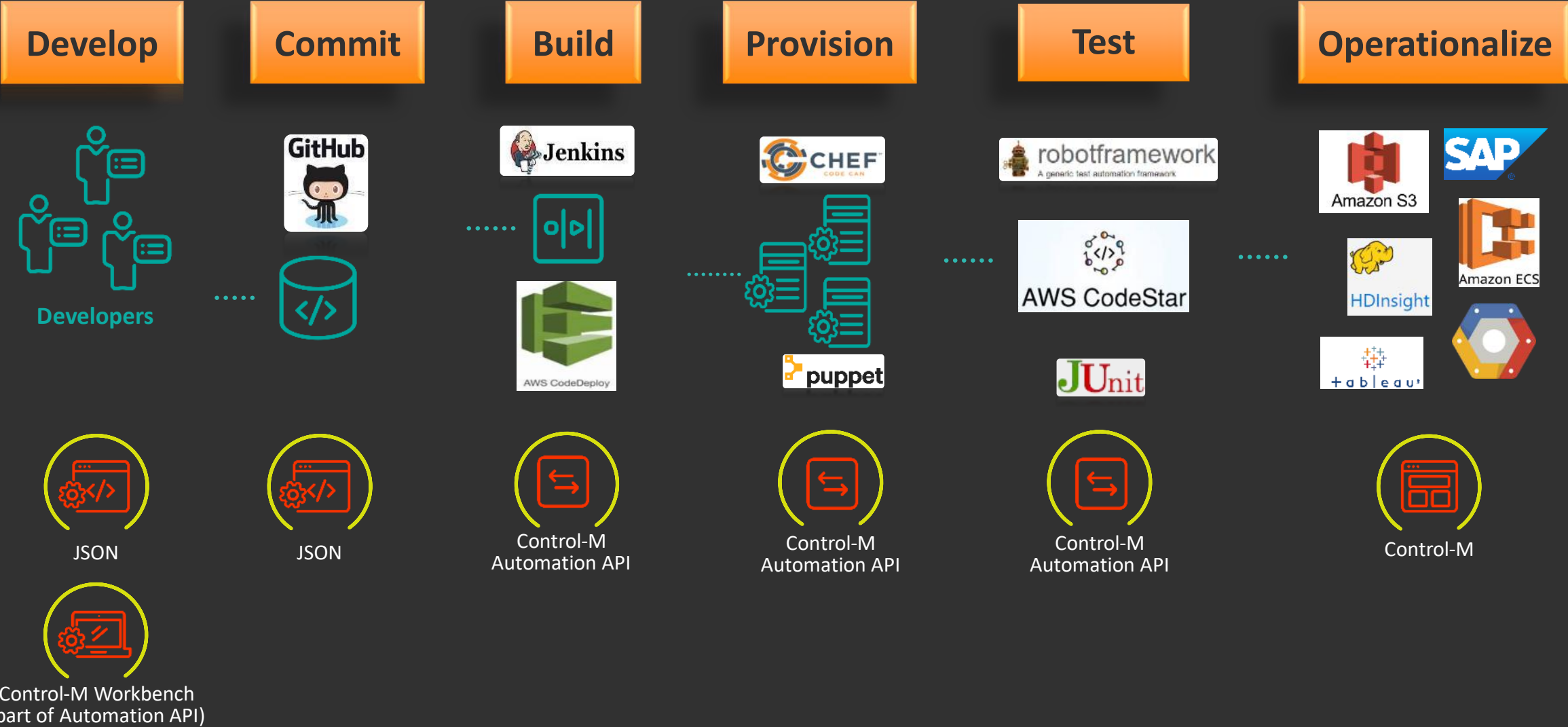
# Traditional job definitions and workflow orchestration process



# Shift jobs left with Jobs-as-Code



# Jobs-as-Code in the SDLC





# Control-M Automation API

## Self-service, code-based, integrates with CI/CD tools

The image displays a composite screenshot illustrating the integration of Control-M Automation API with Eclipse IDE and Jenkins. Three callout boxes highlight key features:

- Job definition in JSON format:** Points to the `BMC_joe_Spark.json` file in the Eclipse Package Explorer.
- Commit changes to GIT:** Points to the `Commit Changes to Git Repository` dialog box in Eclipse.
- Application build with Jenkins:** Points to the Jenkins configuration page for `MyFirstJob`, showing build history and source code management options.

The Jenkins configuration page includes the following details:

- Project name:** MyFirstJob
- Description:** Control-M test Drive registration is performed with several scripts.
- Build History:**

Build Number	Timestamp
#226	Apr 20, 2016 7:50 AM
#225	Apr 19, 2016 7:50 AM
#224	Apr 18, 2016 7:50 AM
#223	Apr 17, 2016 7:50 AM
#222	Apr 16, 2016 7:50 AM
#221	Apr 15, 2016 7:50 AM
#215	Apr 9, 2016 7:50 AM
#214	Apr 8, 2016 7:50 AM
#213	Apr 7, 2016 7:50 AM
#212	Apr 6, 2016 7:50 AM
#211	Apr 5, 2016 7:50 AM
#210	Apr 4, 2016 7:50 AM
- Source Code Management:** None (selected), CVS, CVS Projectset, Git, Subversion.
- Build Triggers:** Build periodically (checked).

# Remove the speed bumps with Jobs-as-Code

**Inherent Scalability**



**Enabled Innovation**



**Dev-to-Ops Harmony**



**Future-Proofed**



# amadeus

*“The goal of our new platform is to be able to make it run everywhere. We discovered the only way to have DevOps working is to use cloud technology.”*

Damien Profeta | Expert Software Development  
Amadeus IT Group SA

*“Control-M is a huge part of our business... From a development point of view you want to treat jobs like all other software, to build, run, test, then have a continuous integration and continuous delivery of of your jobs. “*

Alice Albano | Software Engineer  
Amadeus IT Group SA

## Impact of Control-M

20%

Less time to deploy applications

5,500

IT changes per month

540

Applications loads per month

99.99%

Availability and least cost transaction model



# STREAMLINE DEVELOPMENT PROCESS WITH JOBS-AS-CODE

- Easily consumed by Dev, Ops and LOB alike
  - Save time
  - Conserve Resources
  - Reduce errors
  - ensure Consistency
  - Scalability and stability
- 
- A group of five business professionals (three men and two women) are gathered around a table in a modern office setting, looking at documents and discussing them. The background shows a large, open-plan office with a grid of structural beams and a blue-tinted lighting scheme.

A group of five business professionals in a modern office setting, leaning over a table and reviewing documents. The scene is dimly lit with a blue tint, and the background shows a complex ceiling structure with beams and lights. The text is overlaid in a bold, yellow, sans-serif font.

# USING THE RIGHT TOOL IS IMPORTANT

**Matthew Simons**



[JOBSASCODE.IO](https://jobsascode.io)





**THANK  
YOU**