



DIGITAL TRANSFORMATION WITH RED HAT

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Vice President & General Manager, Middleware

 @mpiech

THE CHANGING ROLE OF I.T. IN THE ENTERPRISE

“IT doesn’t matter.”

Nicolas G. Carr

Harvard Business Review, May 2003

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“Every organization - whether services, manufacturing or healthcare – is becoming a technology company.”

Joe McKendrick

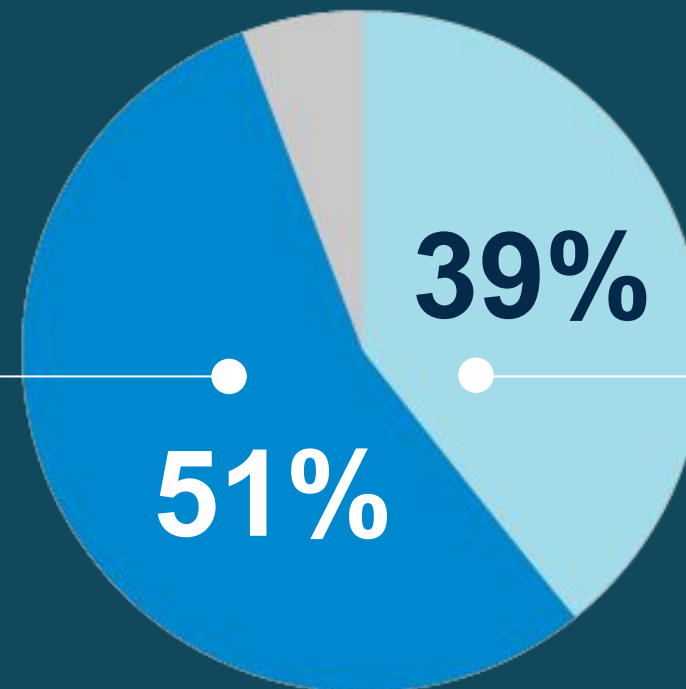
Forbes.com, April, 2015

90% OF CEOS ARE CHANGING HOW THEY USE TECHNOLOGY

QUESTION

Are you changing how you use technology to assess and deliver on wider stakeholder expectations?

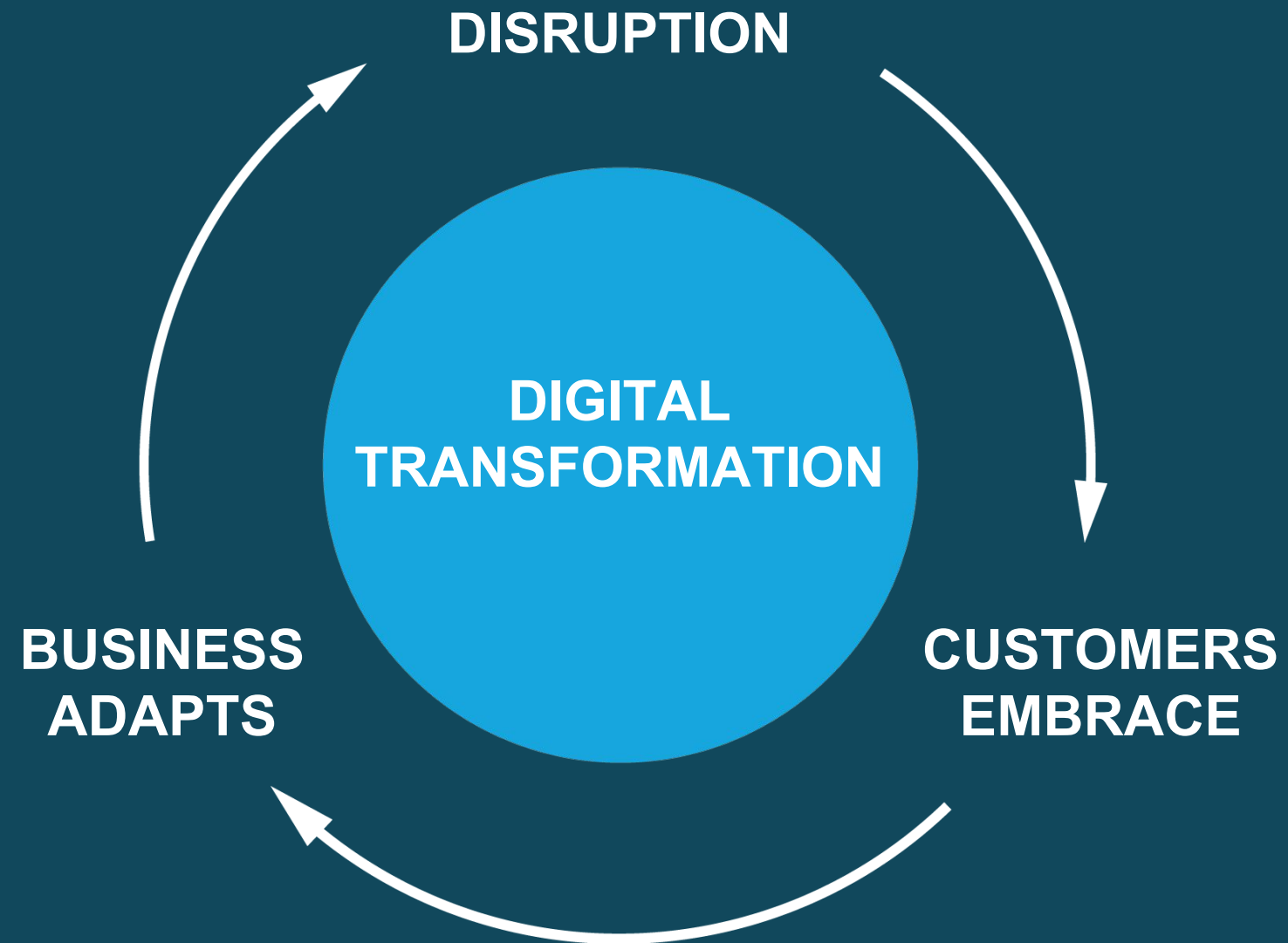
Yes,
significantly.



Yes, making
some change.

Source: Survey of 1,409 CEOs in 83 countries by PricewaterhouseCooper, [19th Annual Global CEO Survey](http://www.pwc.com/gx/en/ceo-survey/2016/landing-page/pwc-19th-annual-global-ceo-survey.pdf), January 2016.
<http://www.pwc.com/gx/en/ceo-survey/2016/landing-page/pwc-19th-annual-global-ceo-survey.pdf>

DIGITAL TRANSFORMATION



DIGITAL TRANSFORMATION

Changing enterprises and entire industries in fundamental ways



**New ways of developing,
delivering, and integrating
applications**



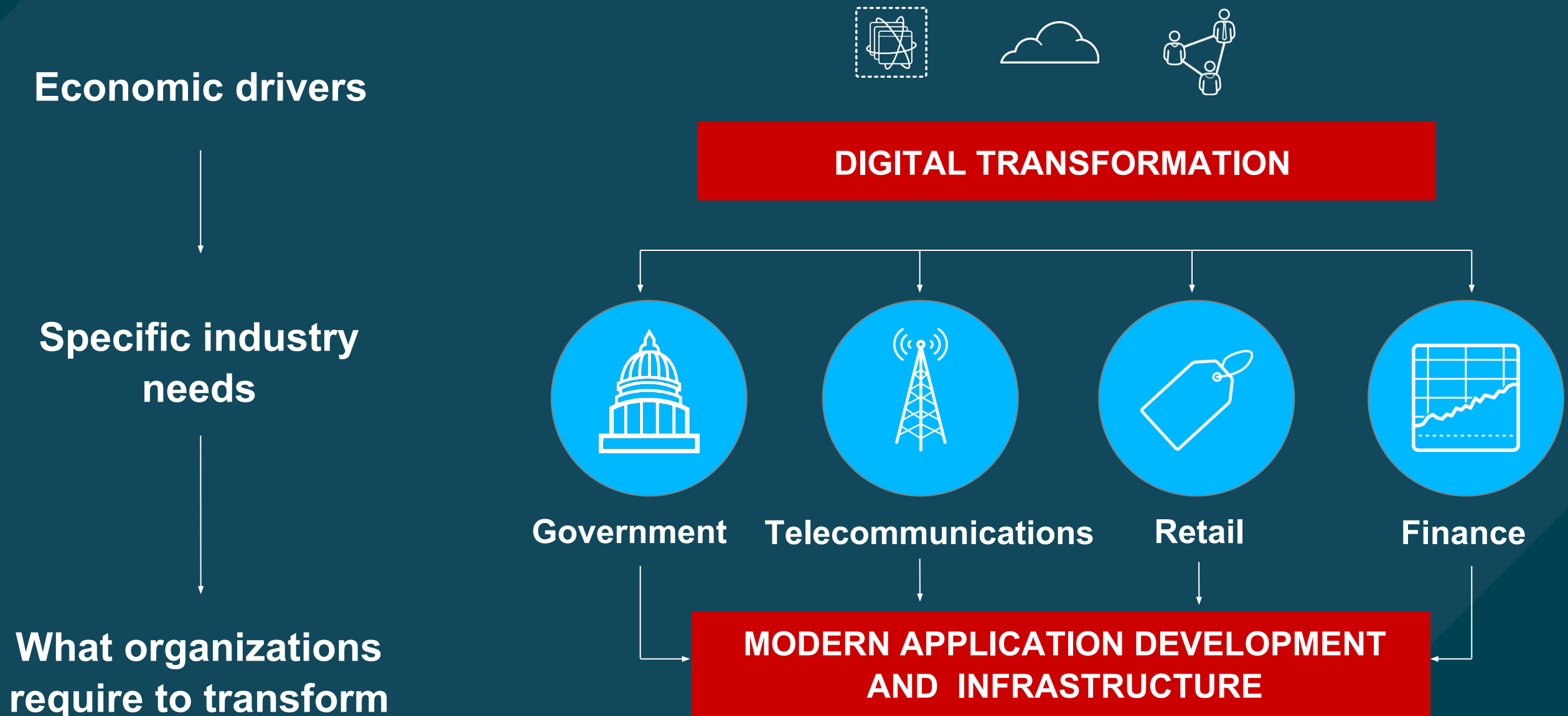
**More agile process
across both IT and
the business**



**Modernize existing and
build new cloud-based
infrastructure**

**By 2018, 67% of Global 2000 CEOs will have Digital Transformation at
the center of their corporate strategy – *IDC, 2016***

DIFFERENT DRIVERS, SAME JOURNEY



AND AFTER ALL, THE APP IS KING!



Government



Telecommunications

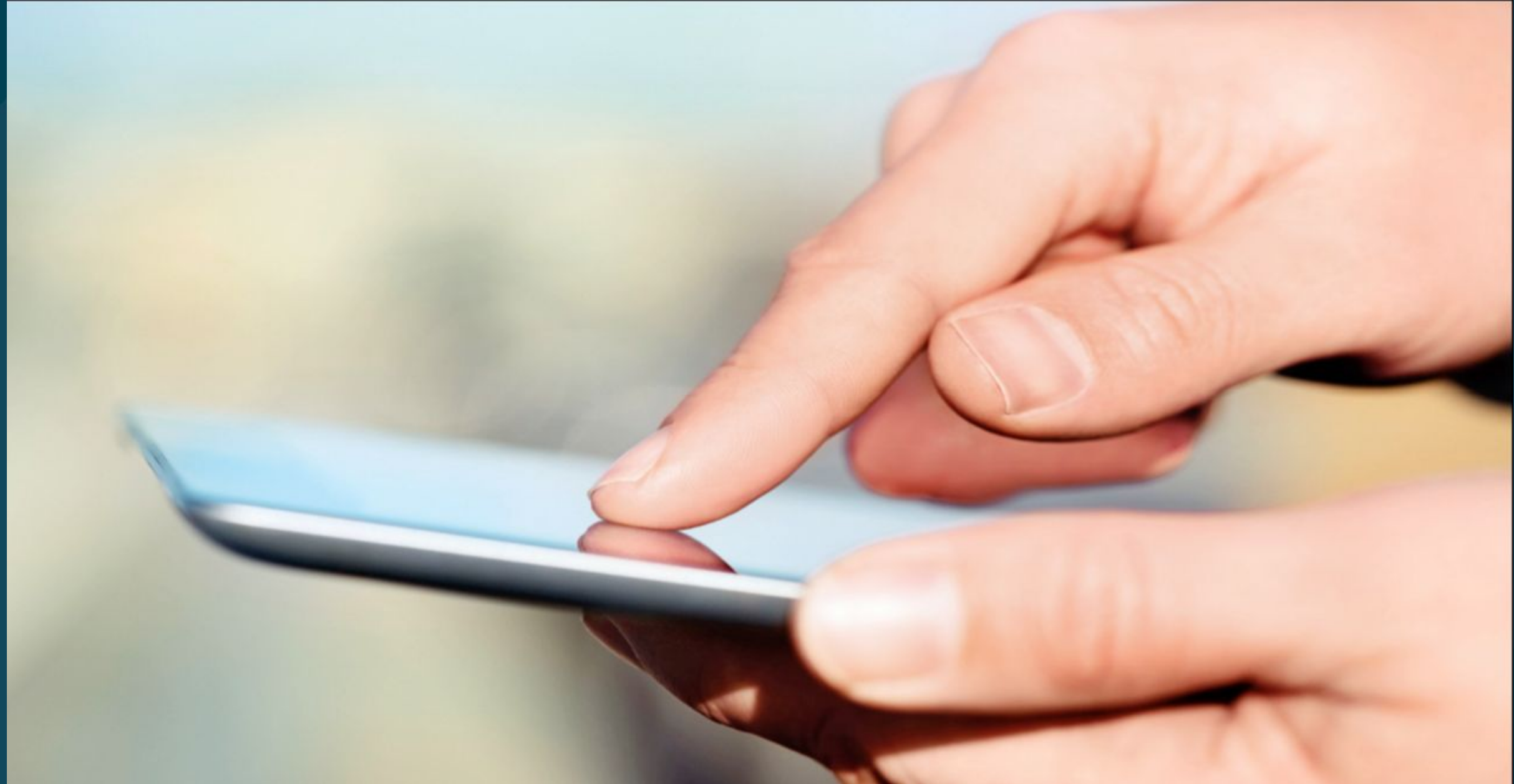


Retail



Finance

...AND THE APPS ARE DIFFERENT NOW



I.T. MUST EVOLVE...



MINDSET



CULTURE



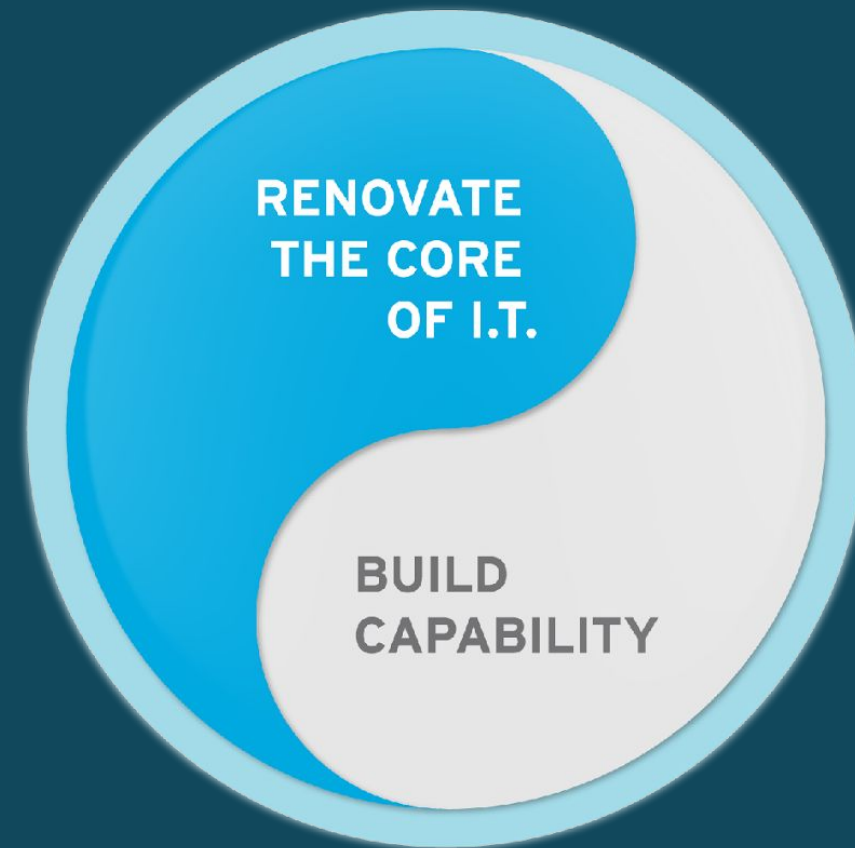
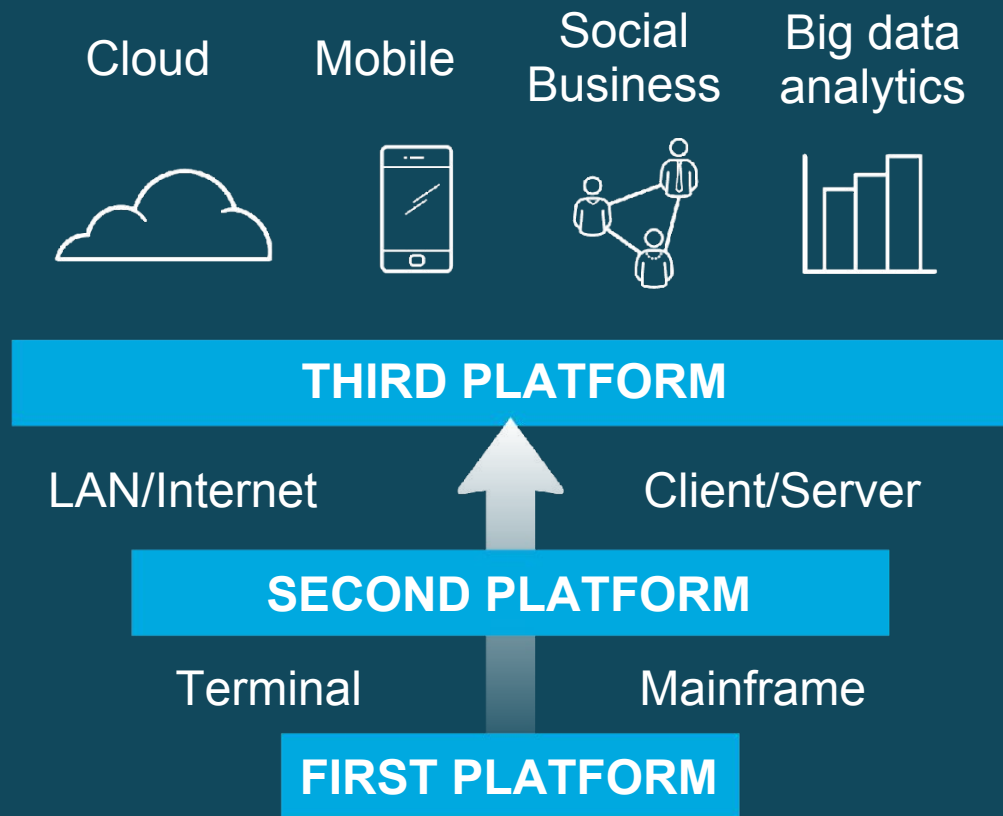
PROCESS



TECHNOLOGY

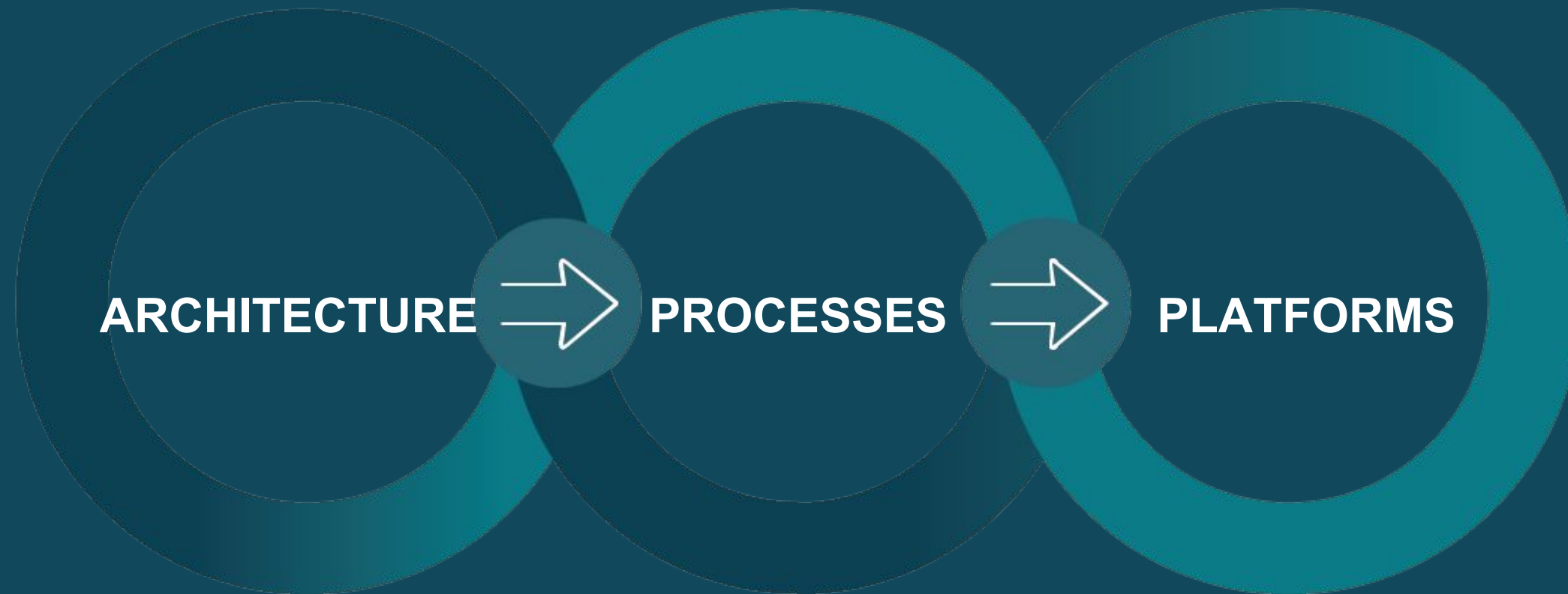
...BUT EVOLVE SENSIBLY

THIRD PLATFORM OF I.T. INNOVATION & GROWTH



Gartner®

FUNDAMENTALLY DIFFERENT

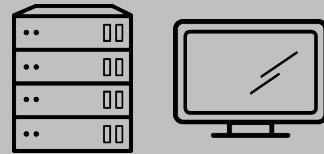


TRADITIONAL VS. EMERGING

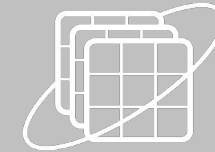
TRADITIONAL

EMERGING

ARCHITECTURE (WHAT)

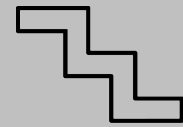


Monolithic



Microservices and APIs

PROCESS (HOW)

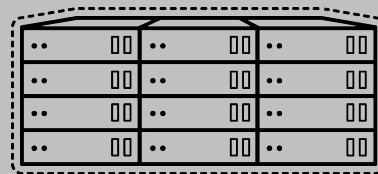


Waterfall



Agile and DevOps

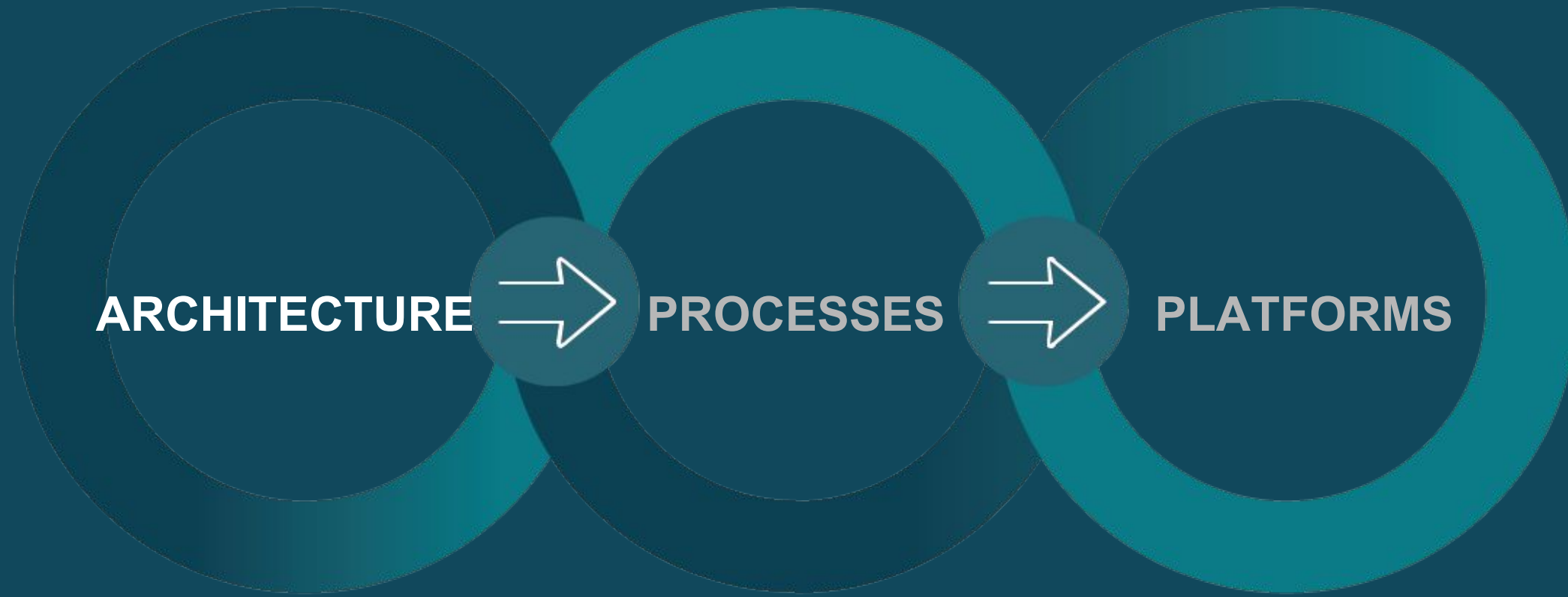
PLATFORM (WHERE)



Datacenter



**Containers, Cloud,
and Mobile**



DIGITAL BUSINESS: CHANGE IN SMALLER STEPS



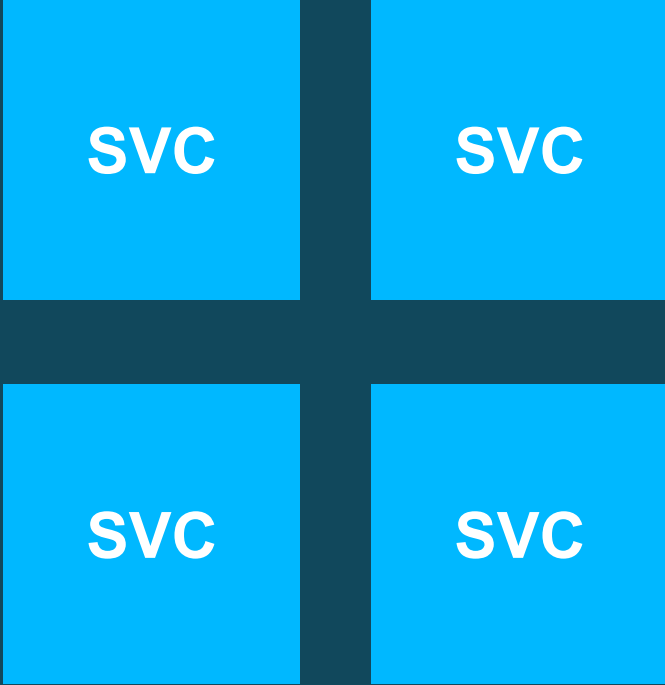
**INFLEXIBLE
PLANNING**

**AGILE
EXPERIMENTATION**

SMALL CHANGES NEED THE RIGHT ARCHITECTURE



PRE-SOA

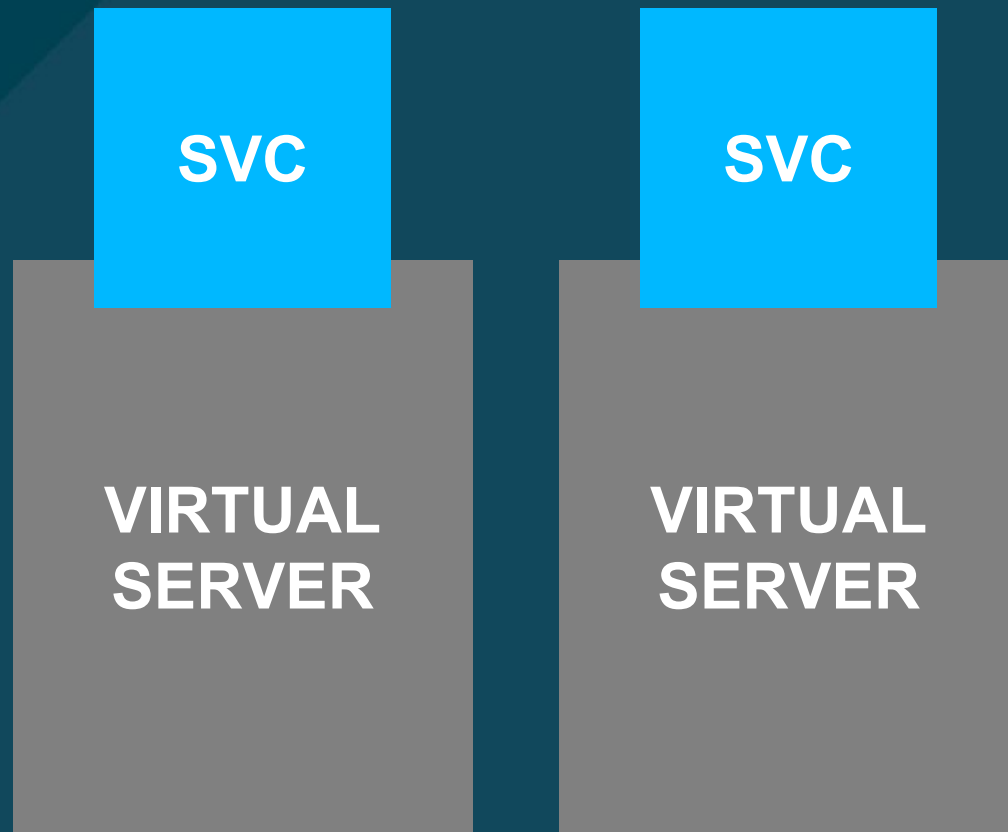


SOA

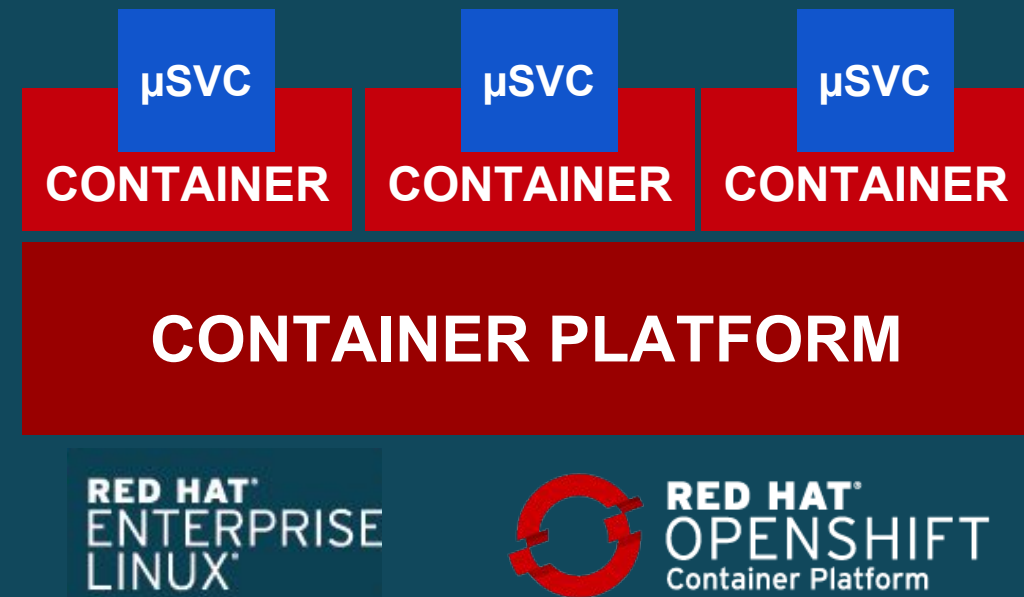


MICROSERVICES

MICROSERVICES NEED CONTAINERS



**TRADITIONAL
VIRTUALIZATION**



**MICROSERVICES IN CONTAINERS:
LIGHTWEIGHT, FLEXIBLE**

ARCHITECTURE



PROCESSES



PLATFORMS

(Biz)DevOps



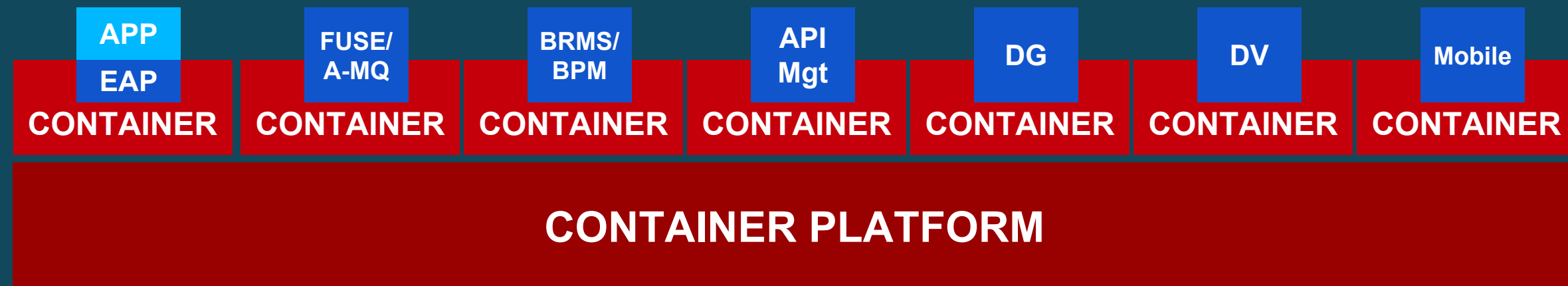
BUSINESS

APP DEVELOPMENT

OPERATIONS

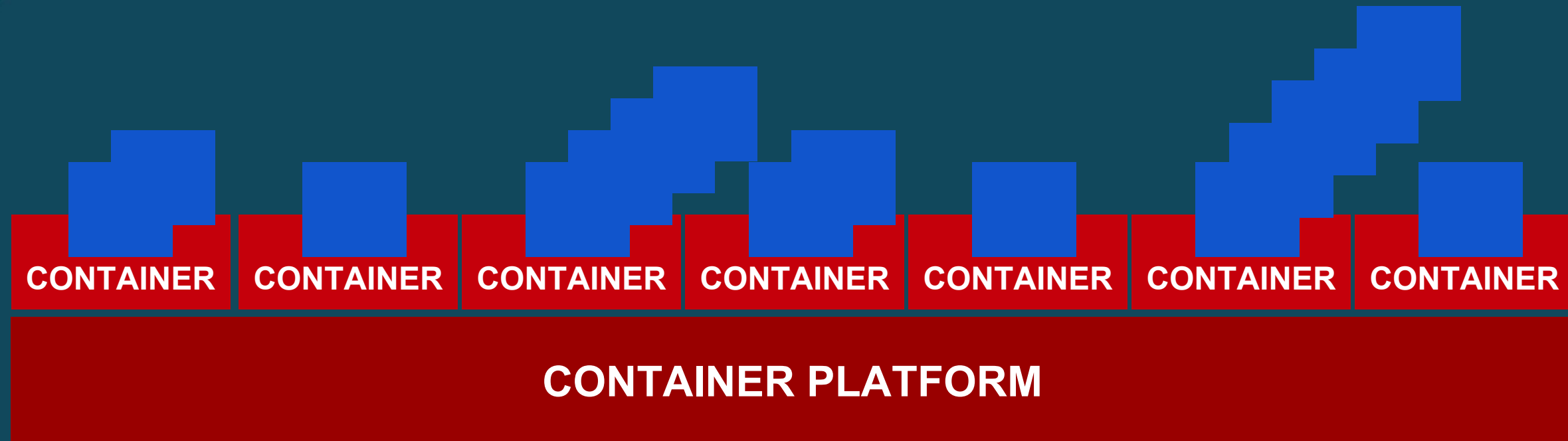
DEV WITH MIDDLEWARE AS SERVICES

RED HAT® JBOSS® MIDDLEWARE



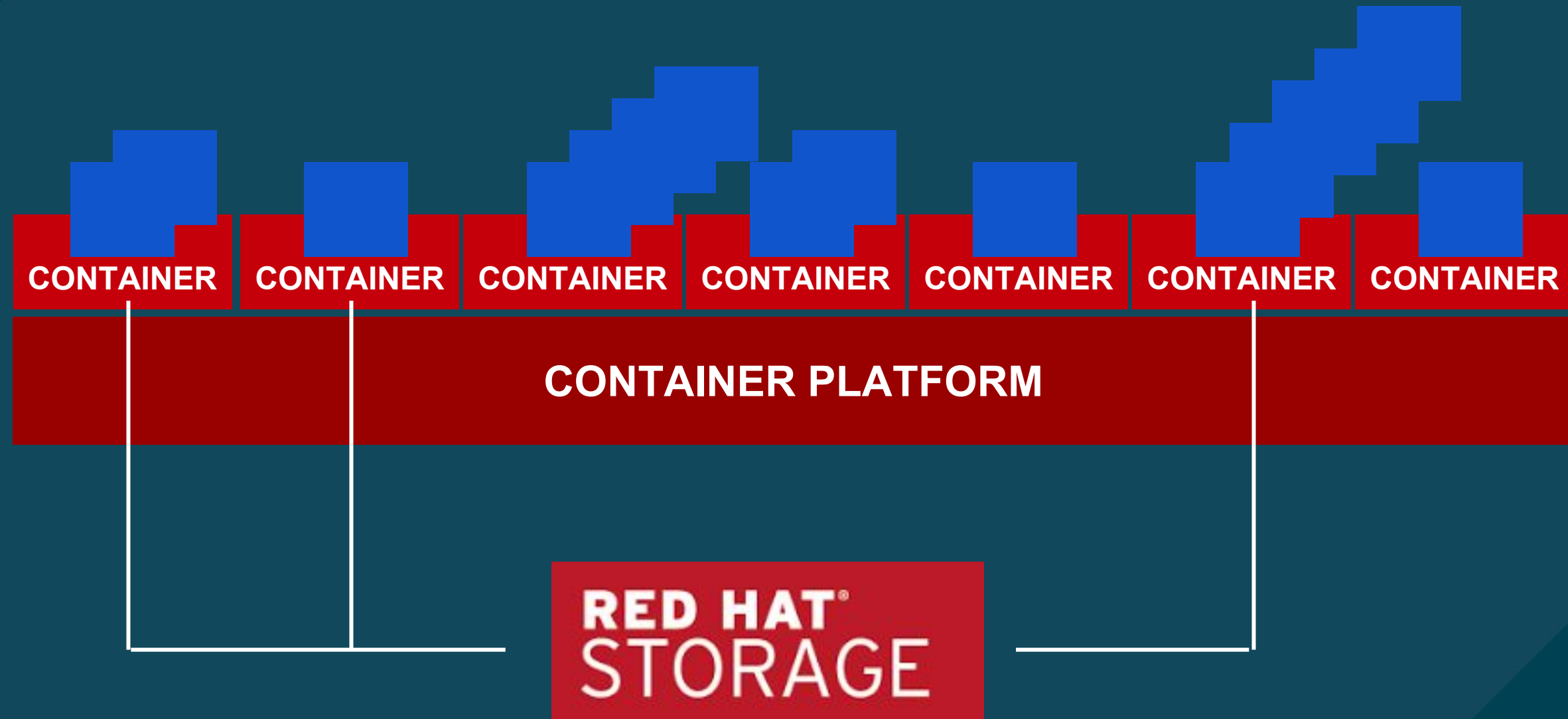
RED HAT®
OPENSIFT
Container Platform

OPS WITH MICROSERVICE SCALING

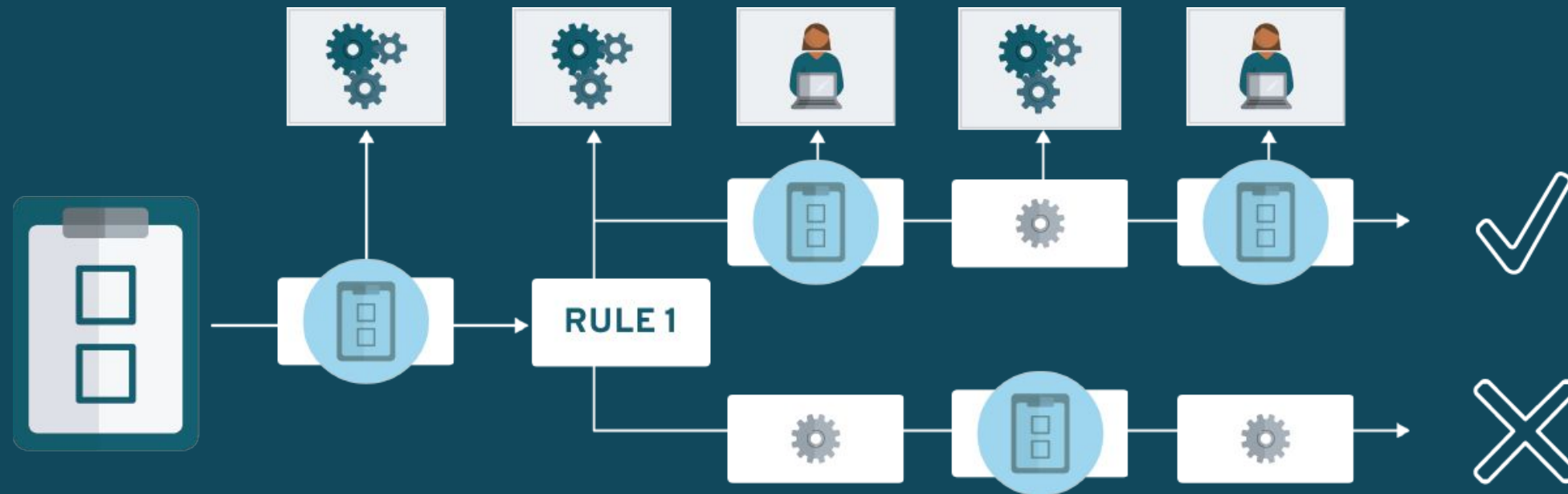


RED HAT®
OPENSIFT
Container Platform

OPS WITH SOFTWARE-DEFINED STORAGE



THE CITIZEN DEVELOPER



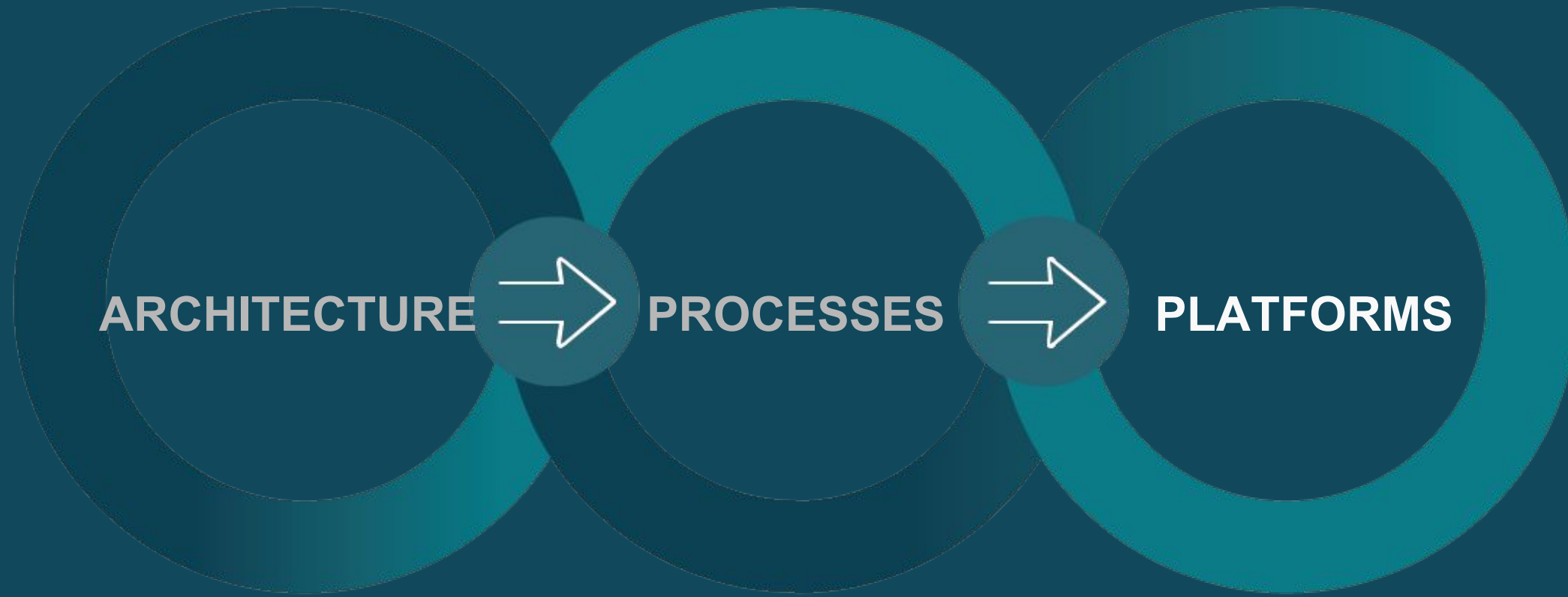
RED HAT® JBOSS®
BPM SUITE

Avianca



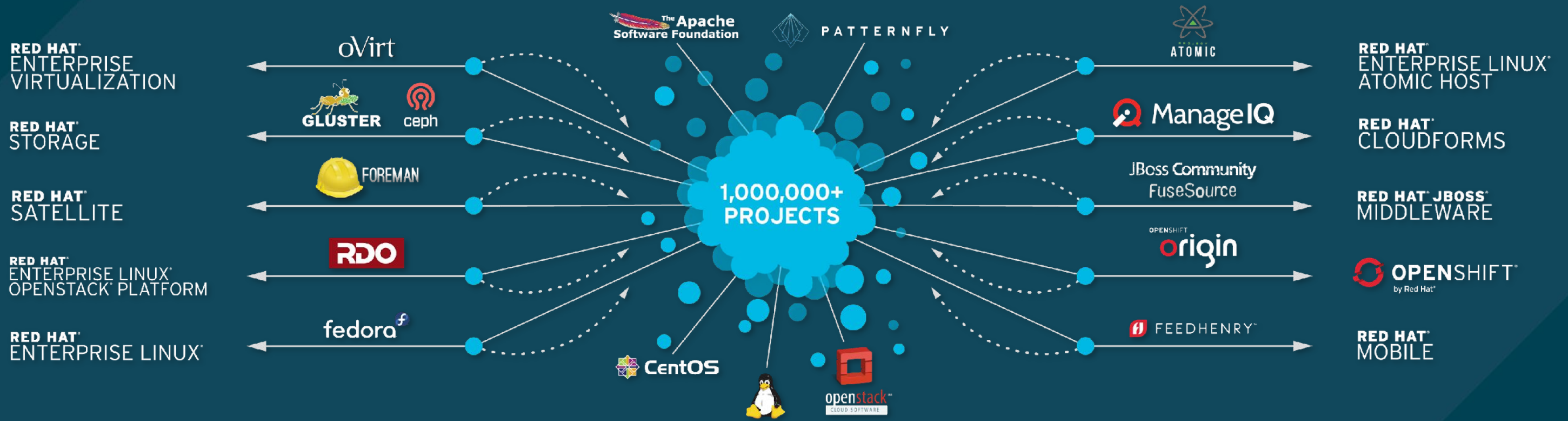
“At Avianca, we believe innovation is key for differentiating ourselves from the competition. Innovation is not negotiable”

- Fernando Lara, Vice President of Information Technology, Avianca



RED HAT'S UNIQUE APPROACH

Harness open source innovation and deliver mission-critical IT solutions



RED HAT'S PLATFORM VISION – OPEN HYBRID CLOUD

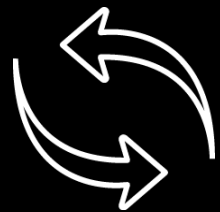
Seamless DevOps, microservices, & containers on Linux
across the four footprints



MODERNIZING THE TRADITIONAL IT ENVIRONMENT

STANDARDIZE

Improve **efficiency** with a **standardized** operating environment



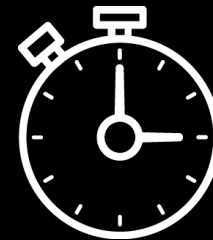
VIRTUALIZE

Prepare for cloud with **powerful, cost-effective** virtualization



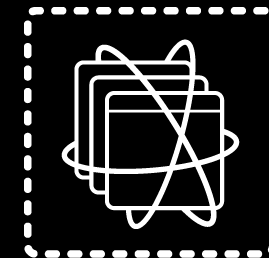
AUTOMATE

Use **automation and management** tools to improve **productivity**



CONTAINERIZE

Containerize existing apps for **efficiency and ease of management**



SAME BUILDING BLOCKS FOR YOUR FUTURE CLOUD-NATIVE IT ENVIRONMENT

RED HAT STACK: INFRASTRUCTURE

INFRASTRUCTURE SOFTWARE

RED HAT
ENTERPRISE LINUX

RED HAT
ENTERPRISE LINUX
ATOMIC HOST

RED HAT
STORAGE

RED HAT
OPENSTACK
PLATFORM

RED HAT
VIRTUALIZATION

RED HAT STACK: CONTAINER PLATFORM

CONTAINER PLATFORMS



RED HAT STACK: MIDDLEWARE/SERVICES

MIDDLEWARE AND APPLICATION SERVICES



RED HAT® JBOSS®
BPM SUITE

RED HAT® JBOSS®
BRMS

RED HAT® JBOSS®
FUSE

RED HAT® JBOSS®
A-MQ

RED HAT® JBOSS®
DATA GRID

RED HAT® JBOSS®
DATA VIRTUALIZATION

RED HAT® JBOSS®
ENTERPRISE
APPLICATION PLATFORM

RED HAT®
MOBILE APPLICATION
PLATFORM

RED HAT OPEN MANAGEMENT PLATFORM

Know, Deliver, Control, Automate



CLOUDFORMS

DELIVER SERVICES
ACROSS YOUR HYBRID
CLOUD

Hybrid Cloud Management
Self-Service Provisioning
Policy-driven Compliance



ANSIBLE

AUTOMATE YOUR IT
PROCESSES &
DEPLOYMENTS

Simple & powerful language
No agents to install
Scale with Ansible Tower



INSIGHTS

PREVENT CRITICAL
ISSUES BEFORE THEY
OCCUR

Continuous Insights
Verified Knowledge
Proactive Resolution



SATELLITE

BUILD A TRUSTED &
SECURE RED HAT
ENVIRONMENT

Manage the Red Hat Lifecycle
Provision & Configure at Scale
Standardize Your Environment

COMPREHENSIVE SERVICES



**TRAINING &
CERTIFICATION**

SUPPORT



CONSULTING

**SOFTWARE,
HARDWARE, & CLOUD
CERTIFICATION**

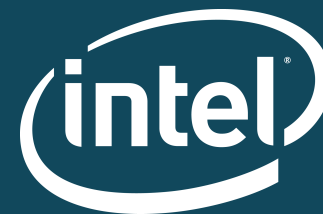


BEST-IN-CLASS PARTNER ECOSYSTEM

CLOUD PARTNERS



TECH PARTNERS



SI PARTNERS

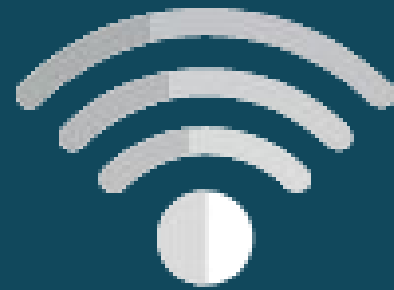


GLOBAL LEADERSHIP



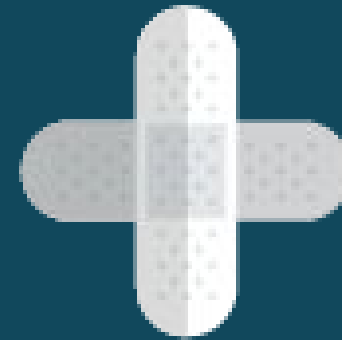
100%

of **AIRLINES** in the Fortune Global 500 are Red Hat customers



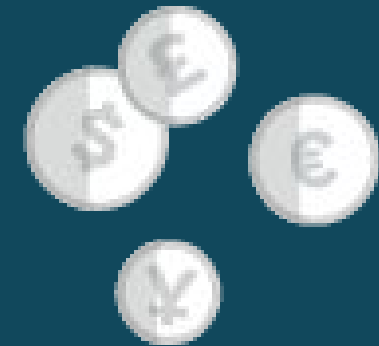
100%

of **TELCOS** in the Fortune Global 500 are Red Hat customers



100%

of **HEALTHCARE COMPANIES** in the Fortune Global 500 are Red Hat customers



100%

of **COMMERCIAL BANKS** in the Fortune 500 are Red Hat customers

LEADERSHIP IN LATIN AMERICA

FINANCIAL SERVICES



Renovate electronic trading system.

Uses RHEL, EAP, JON

TELCO



Scale and save with new directory solution.

Uses: RHEL, Directory Server, Training

HEALTHCARE



Shorten dev timeline to gain go-to-market speed. Increase op efficiency of assistance programs.

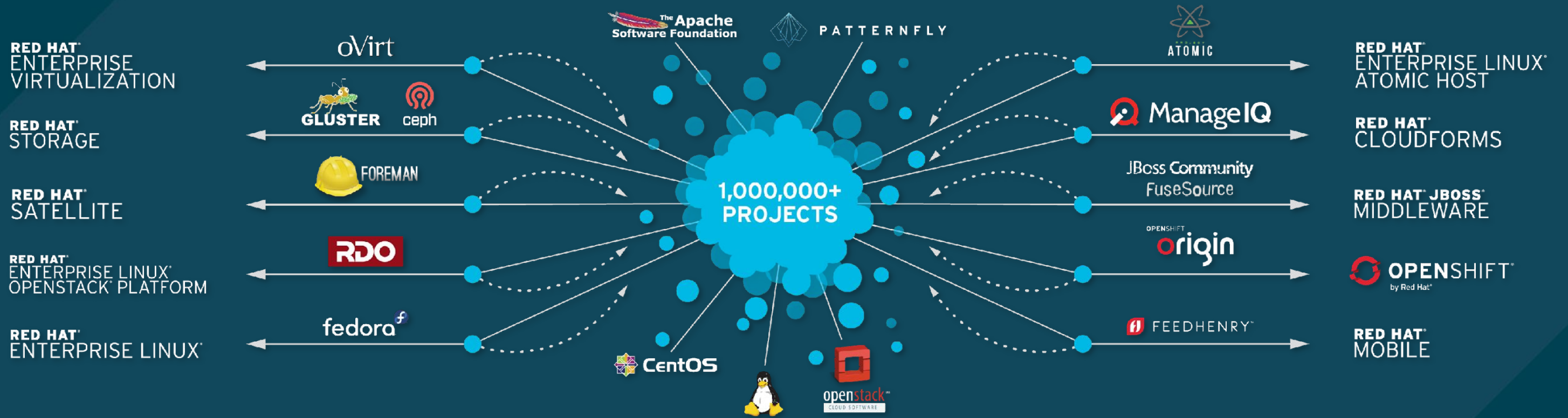
Uses BRMS, Data Grid, EAP, JON

GOVERNMENT



Uses: EAP, Consulting, Training

INNOVATION OF THE FUTURE



PLATFORM FOR THE FUTURE





GRACIAS!

Mike Piech

Vice President & General Manager, Middleware

 @mpiech