



Transforming Your Business with Agile Integration

Mike Piech
VP & GM, Middleware Business Unit
6 November 2018



Schiphol



Nederlandse Spoorwegen

Amsterdam Airport Schiphol


Schiphol



SCHIPHOL GOAL: LEADING DIGITAL AIRPORT

- Super customer experience
- Ability to change fast
- Decentralized control
- Embrace the speed and creativity of open source innovation
- Without compromising:
 - Reliability
 - Security
 - Scalability





“We are shifting to working in agile, dedicated teams with a lot of autonomy. From an infrastructure perspective, we would like to stay in control, but we want to let other teams make their own choices within that framework. Red Hat OpenShift helps us do so.”

GARBIS VAN OKBURCHT, I.T. MANAGER OF AIRPORT OPERATION SERVICES, AMSTERDAM AIRPORT SCHIPHOL

SELF SERVICE IS KEY

Integration Strategies for the Digital Era Require New Delivery Models

Published 29 August 2018 - ID G00345195 - 29 min read

By 2022, **more than 50%** of midsize, large and global organizations will establish an integration strategy empowerment team to support a **self-service** integration approach.



Massimo Pezzini
Distinguished VP, Analyst

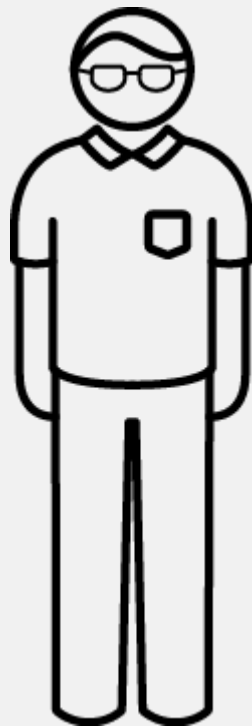


Keith Guttridge
Sr Director, Analyst


Gartner.

TRANSFORMATION DRIVERS

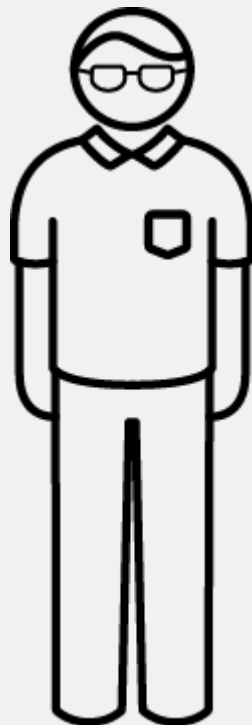
Deploy new capabilities
Change existing capabilities
Integrate more data sources
Do things more real time
Understand what is happening



TRANSFORMATION HEADWINDS



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Change existing capabilities
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Understand what is happening



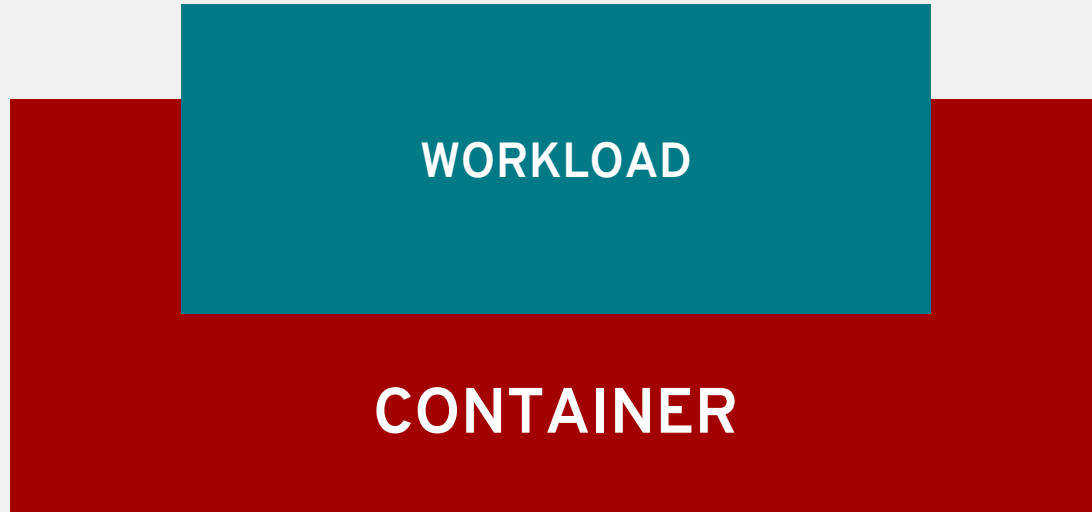
Budget	Politics
Legacy	Expertise
Security	Scale
Lock-in	Regulations

MUST HAVE: CHANGE IN SMALLER STEPS

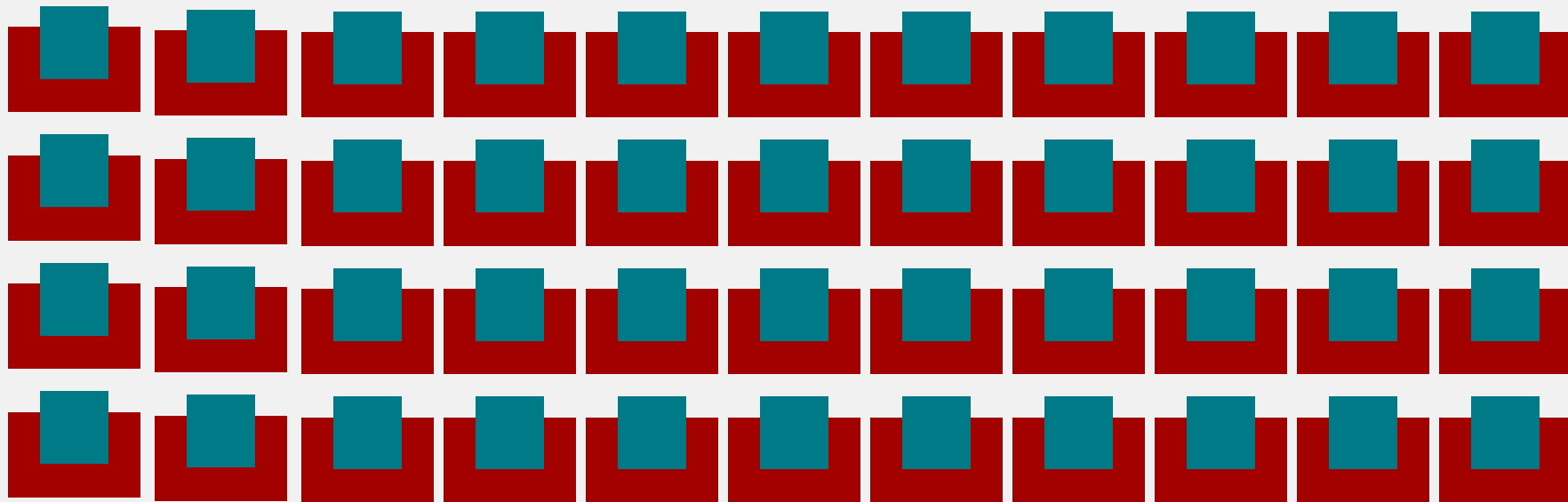


**AGILE,
INCREMENTAL,
ITERATIVE**

KEY TO INCREMENTAL: THE CONTAINER

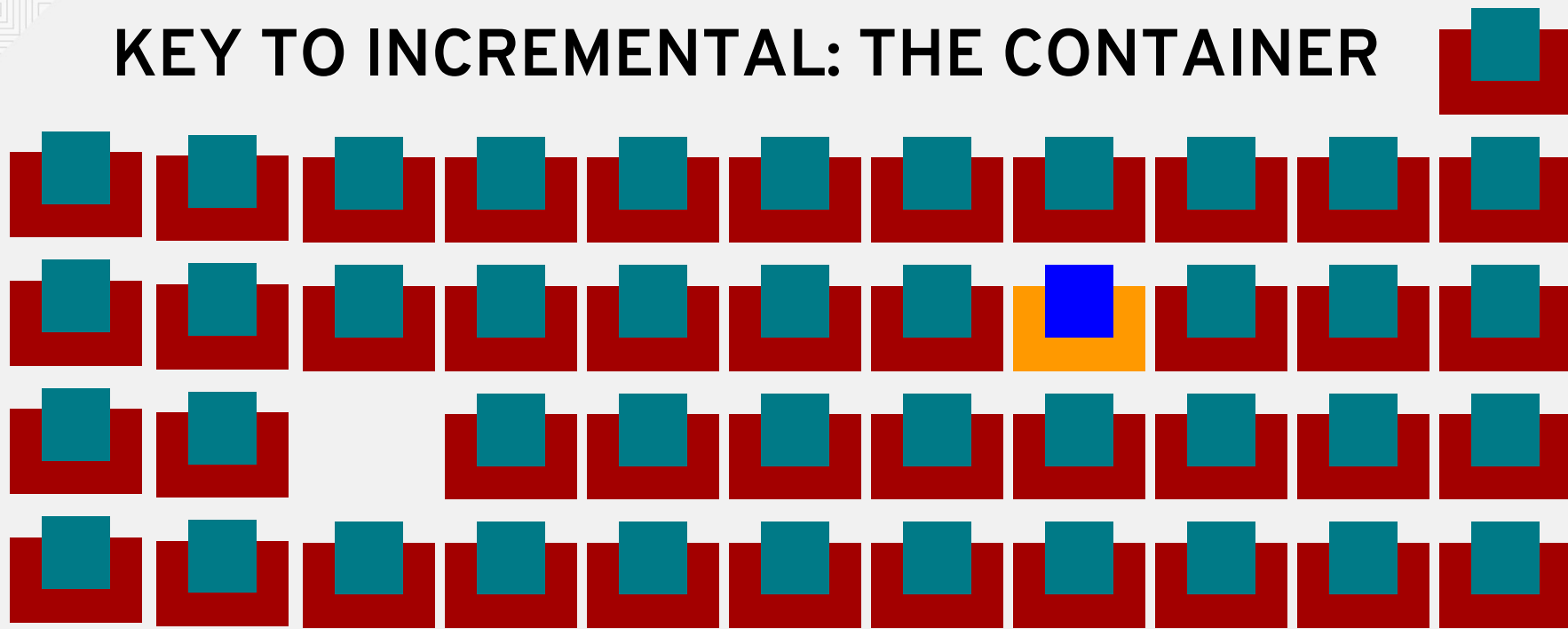


KEY TO INCREMENTAL: THE CONTAINER



PLATFORM

KEY TO INCREMENTAL: THE CONTAINER



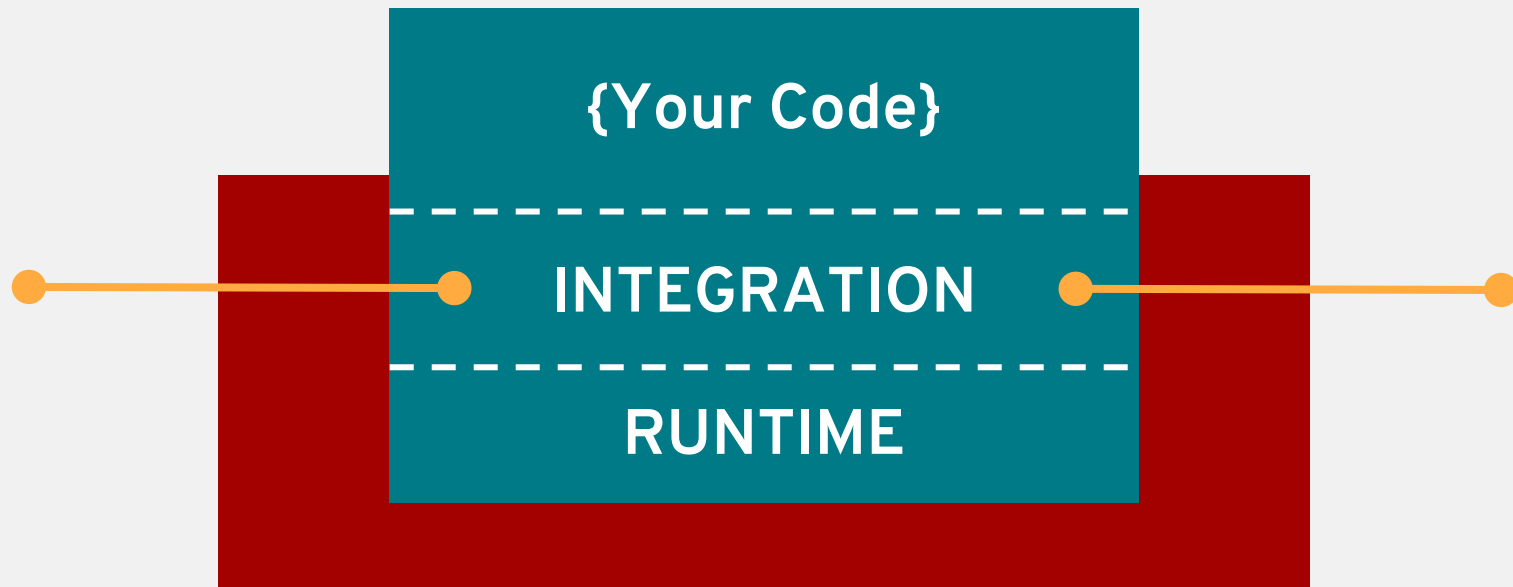
PLATFORM

WHAT THE CONTAINER IS ON MATTERS



PLATFORM

WHAT'S IN THE CONTAINER MATTERS



WHAT'S AROUND THE CONTAINER MATTERS

MESSAGING

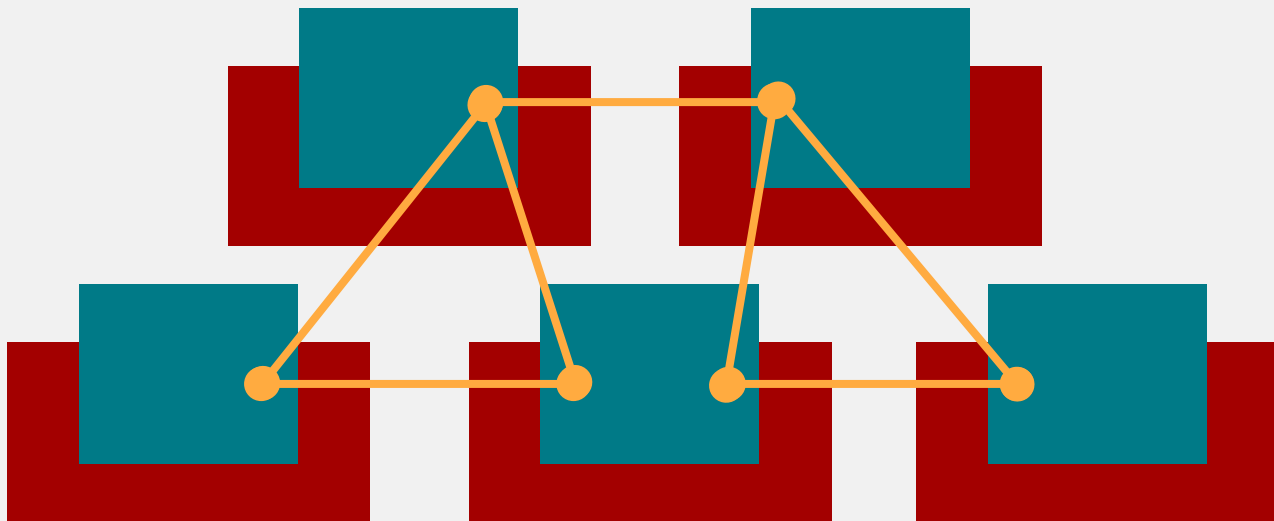
API MGT

RULES

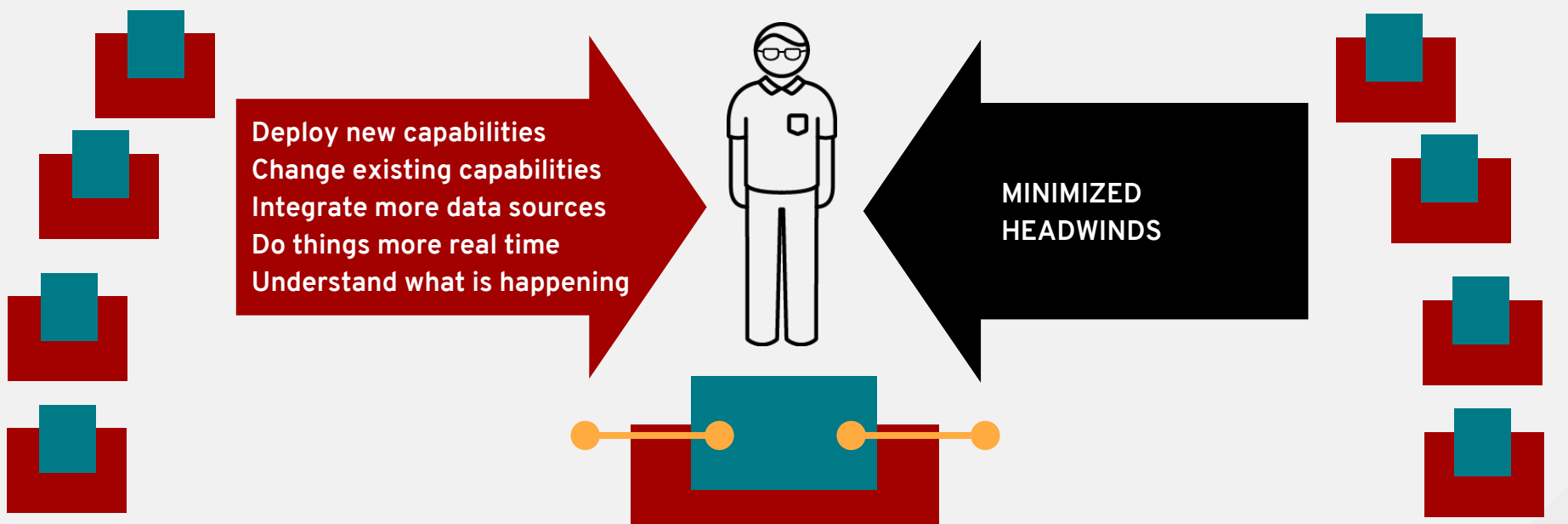
FUNCTION
AS A SVC

PROCESS
AUTOMATION

HOW IT ALL CONNECTS MATTERS



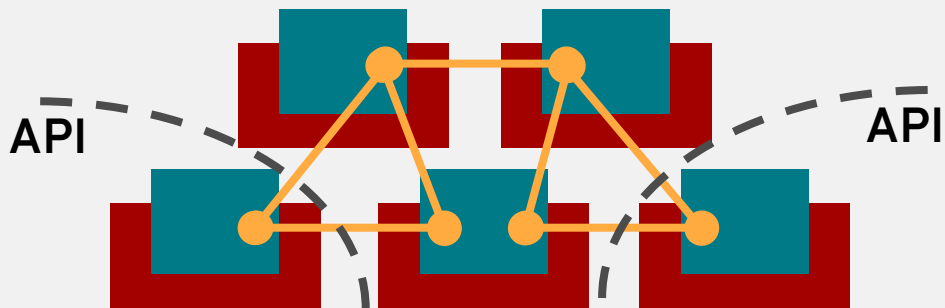
APP DEV VISION: AN ENVIRONMENT FOR RAPID, ITERATIVE DEVELOPMENT



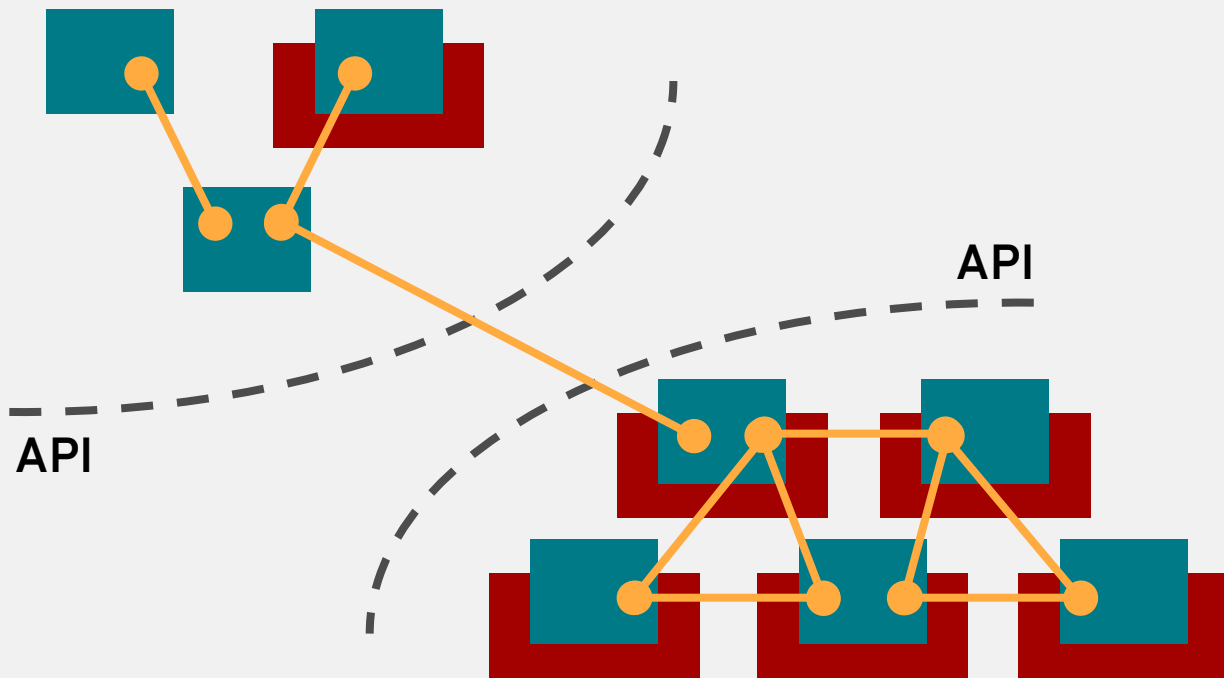
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MINIMIZED
HEADWINDS

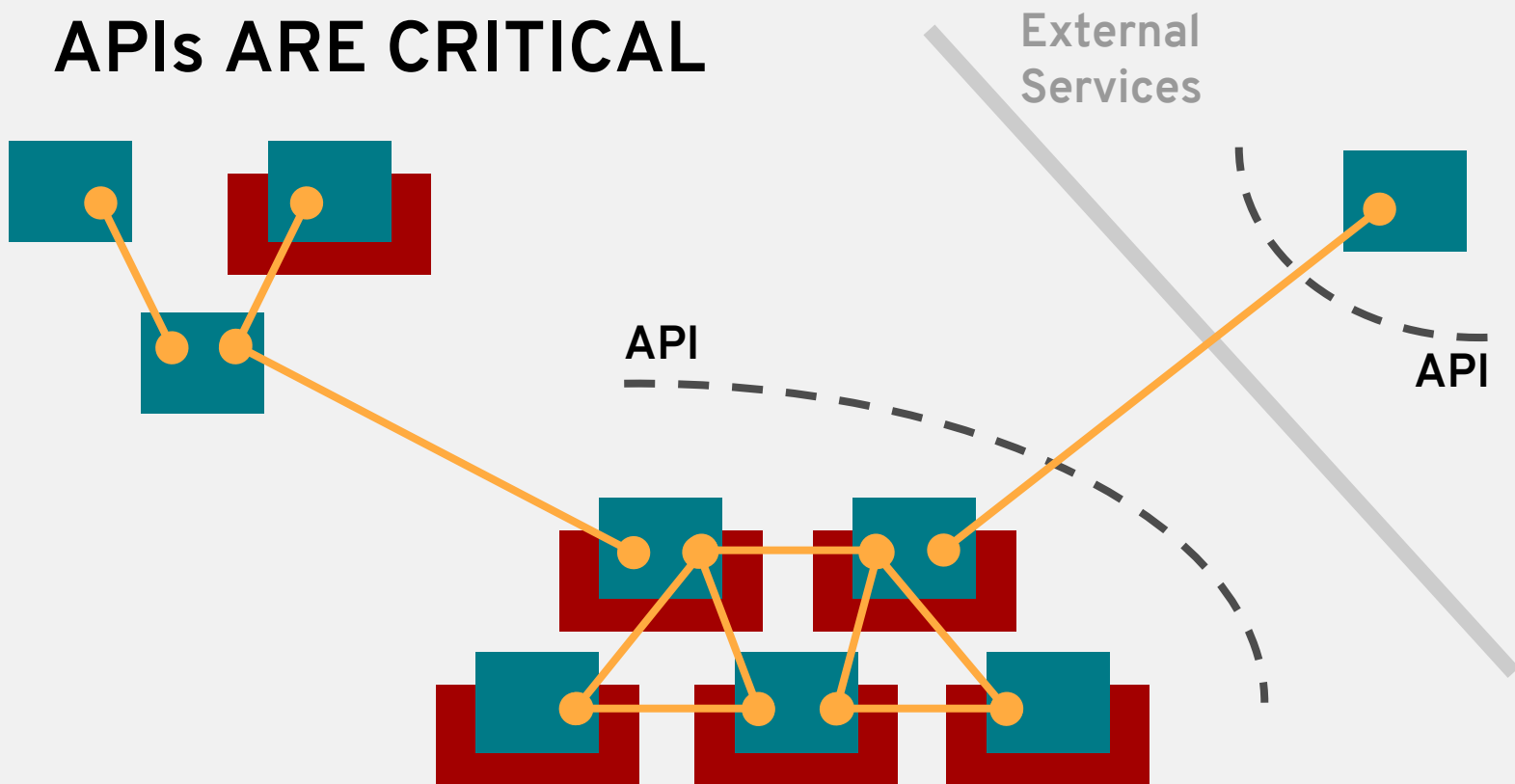
APIs ARE CRITICAL



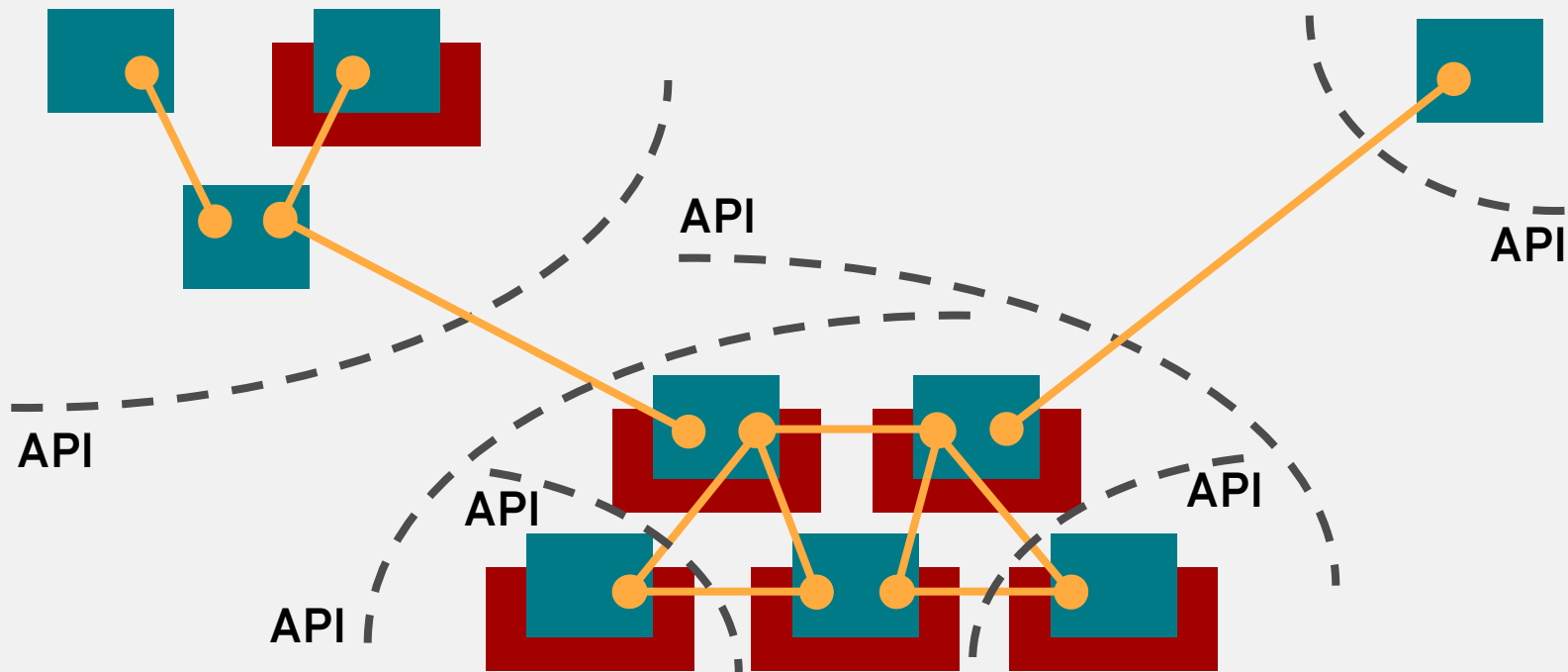
APIs ARE CRITICAL



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API MANAGEMENT BECOMES CRITICAL²



API MANAGEMENT BECOMES CRITICAL²

- Lifecycle Management
- Versioning
- Access control
- Metering
- Rate Limits
- Developer Portal
- Analytics
- Monetization Tools

AGILE INTEGRATION



- Decentralized
- API-based
- Supports CI/CD
- Lightweight
- Loosely coupled
- Self-service
- Easy to learn
- Powerful to use
- Flexible
- Easy to operate
- Safe

RECENT RESEARCH

Enabling Agile Integration With a Distributed Integration Platform

Published 21 September 2018 - ID G00368277 - 46 min read

Supporting Key Initiative is [Modernizing Integration Strategies and Infrastructure](#)

Traditional platform ESB architectures hinder the operational and architectural agility of integration tasks. Technical professionals should use a distributed integration platform to enable containerized, agile integration, based on DevOps principles.



Matt Brasier
Sr Director, Analyst

Gartner.

SCHIPHOL RESULTS

- Faster rollout of new features
- Cut time-to-market by 50%
- Self service expanded sources of innovation
- Span on-premises, Azure, AWS
- Stimulated agile culture change
- Without compromising:
 - Reliability
 - Security
 - Scalability



MANY OTHER GREAT USE CASES





THANK YOU



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linkedin.com/company/red-hat



twitter.com/RedHat



youtube.com/user/RedHatVideos