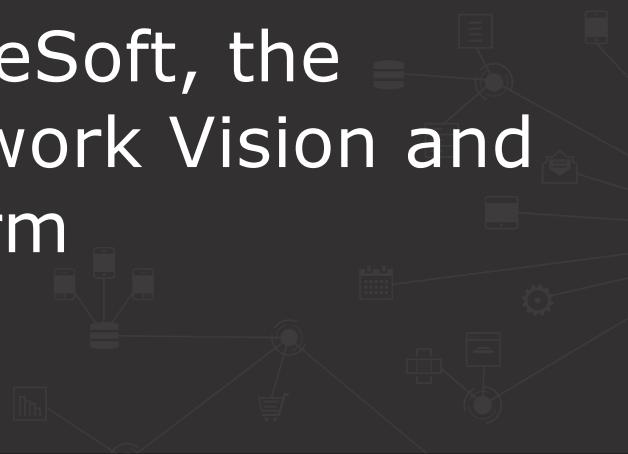




Module 2

Introducing MuleSoft, the Application Network Vision and Anypoint Platform



1

At the end of this module, you should be able to



- Articulate **MuleSoft's mission**
- Explain MuleSoft's proposal for **closing the IT delivery gap**
- Describe the capabilities and high-level components of **Anypoint Platform**

2

Section 1

Introducing MuleSoft



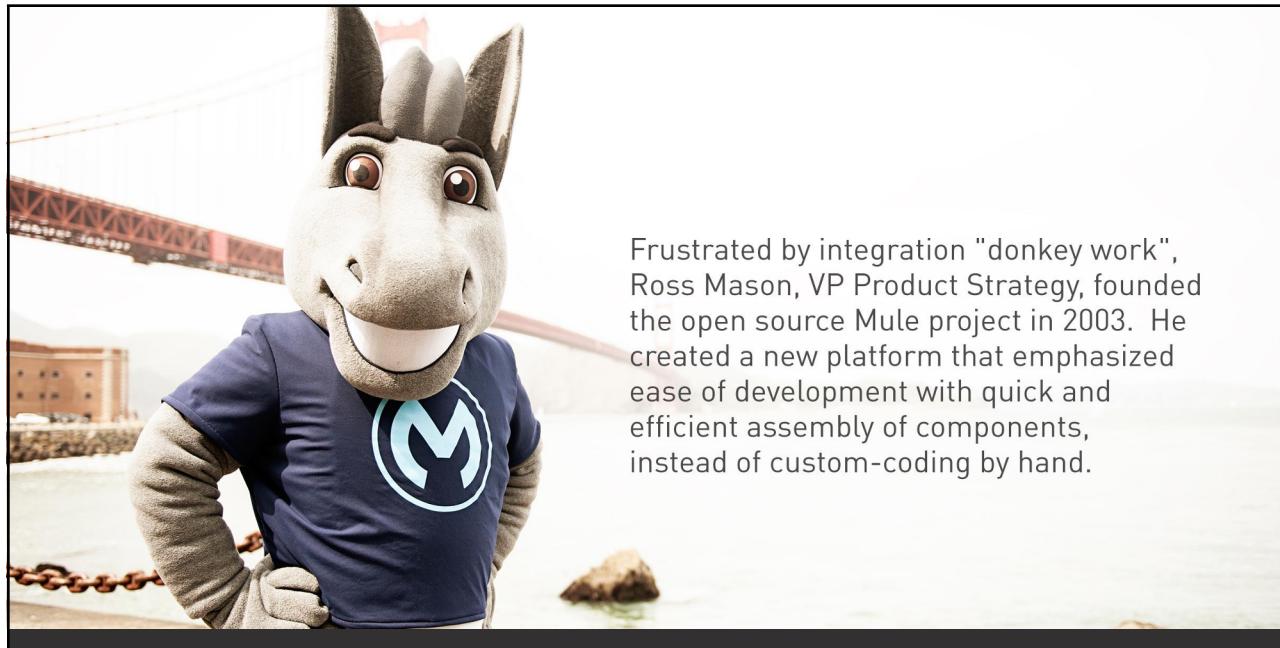
3

**“To connect the world’s applications,
data and devices to transform
business.”**

MuleSoft’s mission statement



4



Frustrated by integration "donkey work", Ross Mason, VP Product Strategy, founded the open source Mule project in 2003. He created a new platform that emphasized ease of development with quick and efficient assembly of components, instead of custom-coding by hand.

The story behind the name MuleSoft



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MuleSoft's customers



- 1800+ customers
- 175,000+ developers worldwide

Financial Services and Insurance

Barclays	Liberty Mutual	Coast Capital
Equitable	Banque de Luxembourg	AAA
Bank of Ireland	Equifax	Deutsche Bank
		Royal Bank of Canada

Retail and Consumer Goods

Coca-Cola	Clarks	Restoration
Gucci	Ashley	Avis
Asics	Rodan+Fields	Mars
Anheuser-Busch	PetSmart	Office Depot
Yum!	Eileen Fisher	Unilever
Hersheys	JDA	

High Tech

Wework	Workday	Veritas
Stubhub	Paloalto	Zoom
Citrix	Splunk	Sabre
New Relic	Servicenow	Square
Fujitsu	Verizon	Telstra

Healthcare

BD	Sutter Health	AstraZeneca
Hologic	MedicAlert	Premera
Bioclinica	Horizon	Guardant Health

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Education and Public Sector

US Department of State	USF	USDA
NSW	Blackboard	Australian Government
UCAS	University of Pittsburgh	

Manufacturing

Bentley	Mitsubishi	Saint-Gobain
Volkswagen	Ricoh	Toyota
Schneider Electric	Qualcomm	Michelin
Audi	ABB	Penske
	Air Canada	6

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MuleSoft company overview



Company

- Founded in 2006, HQ: San Francisco
- Offices in 12 countries
- 1400+ employees worldwide

Products

- MuleSoft's Anypoint Platform™ – addresses on-premises, cloud and hybrid integration use cases with scale and ease-of-use
- Subscription model with various packaged options to serve different use cases



Buenos Aires, London, Sydney, Amsterdam, Atlanta, Boston, Chicago, Denver, Frankfurt, Hong Kong, Melbourne, Mountain View, New York, Reading, Singapore, Stockholm, Pilar, Washington DC

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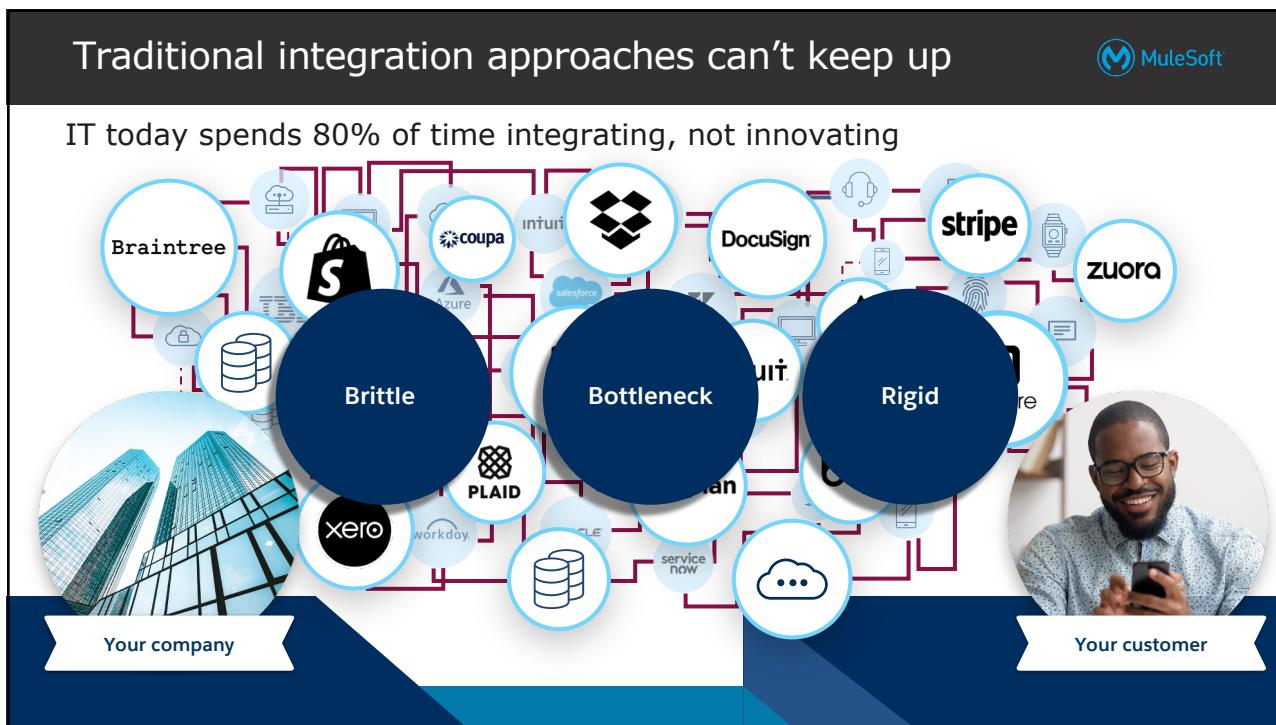
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Section 2

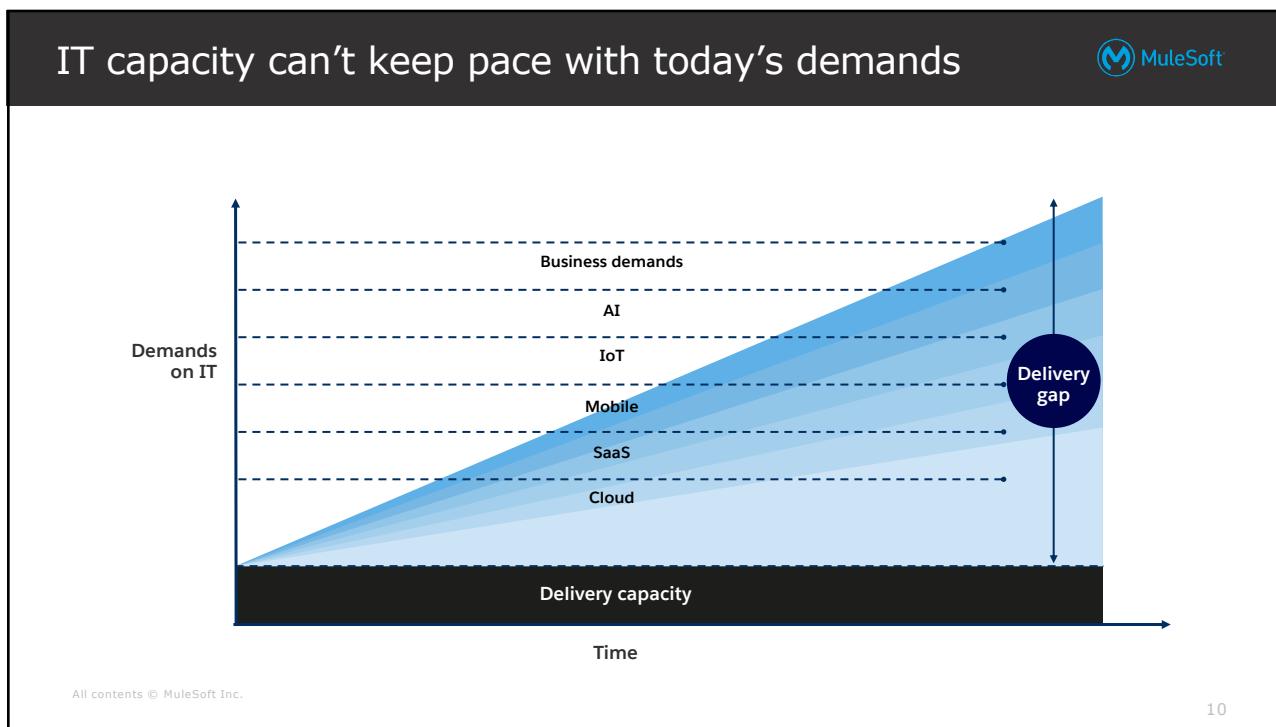
Introducing the application network vision



8



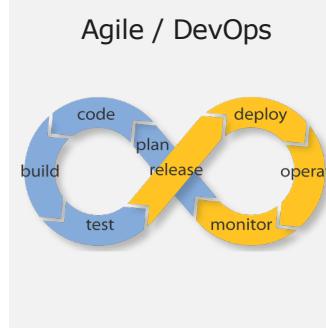
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Current responses are insufficient

MuleSoft

Working harder 	Over outsourcing 	Agile / DevOps 
Not sustainable	Exacerbates the situation	Not sufficient

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Modern businesses need a new approach

MuleSoft

Composable building blocks let IT emerge as the business and innovation partner

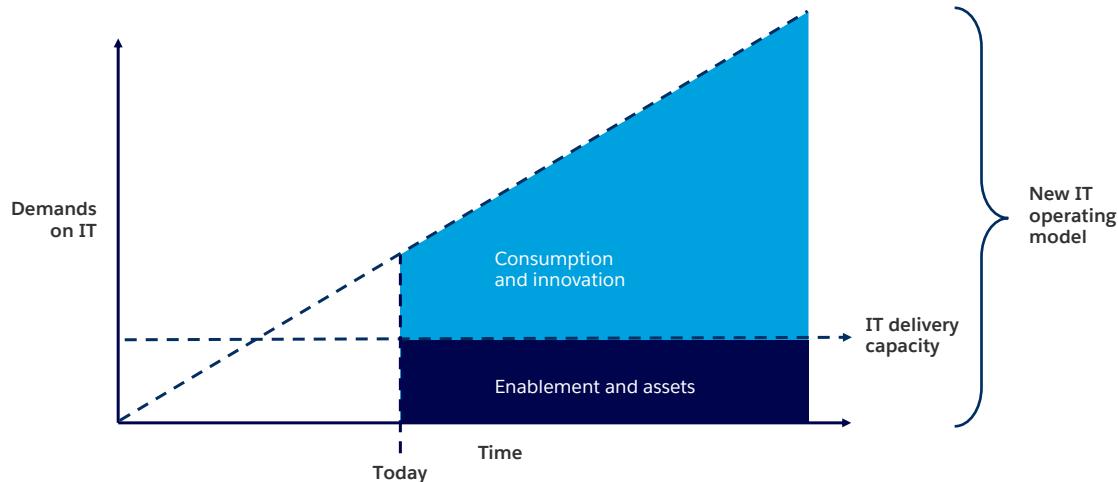
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IT's role needs to change



A new operating model to close the delivery gap



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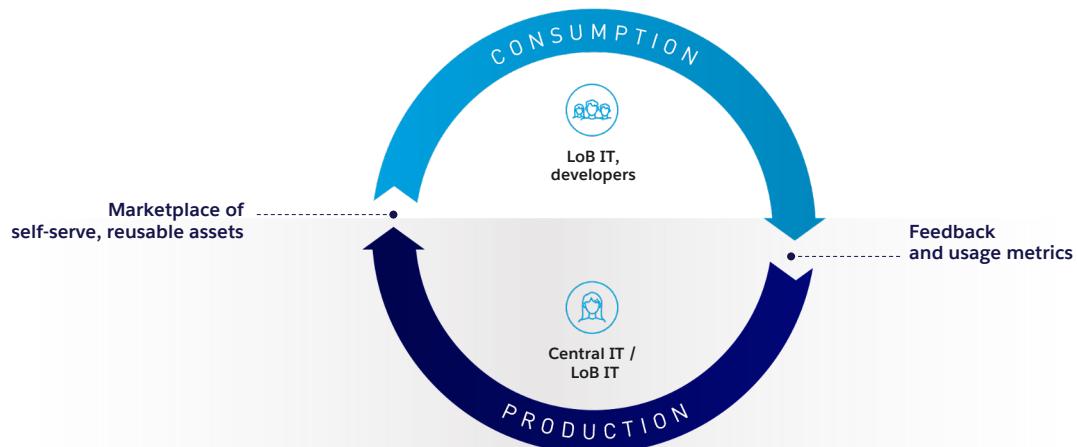
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New operating model emphasizes consumption



Self-serve assets enable the business to innovate faster



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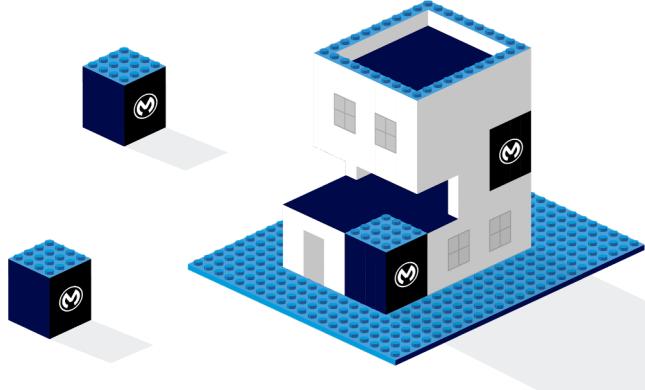
APIs as standard building blocks

MuleSoft

Securely expose data and business capabilities for reuse

Core capabilities in reusable building blocks

-  Productized and designed for ease of consumption
-  Easily managed for security, scalability and performance
-  Discoverable and accessible through self-service



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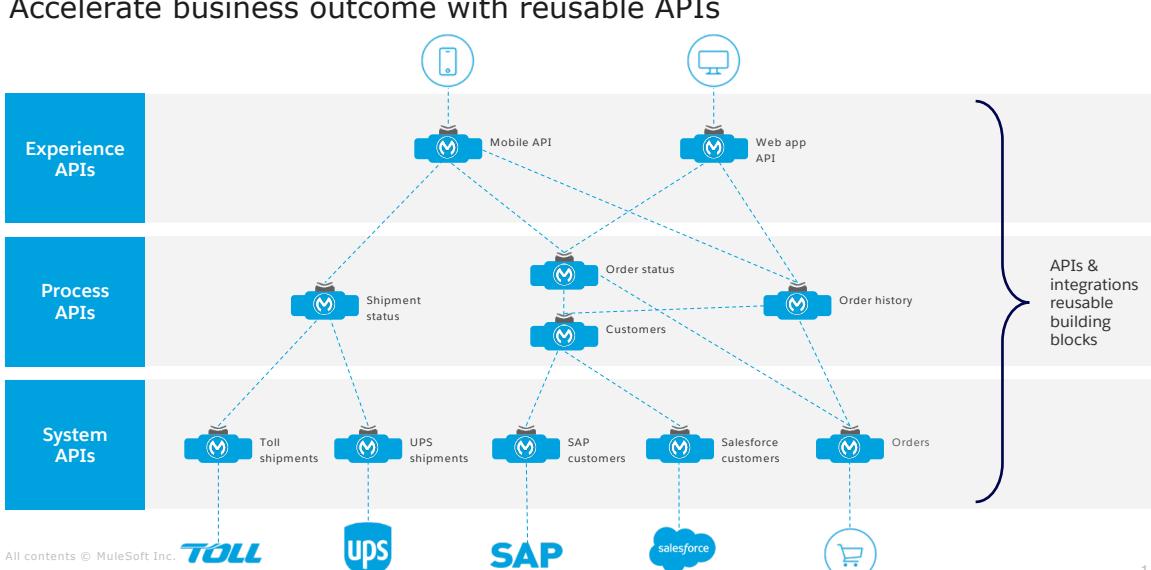
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The API-led connectivity approach

MuleSoft

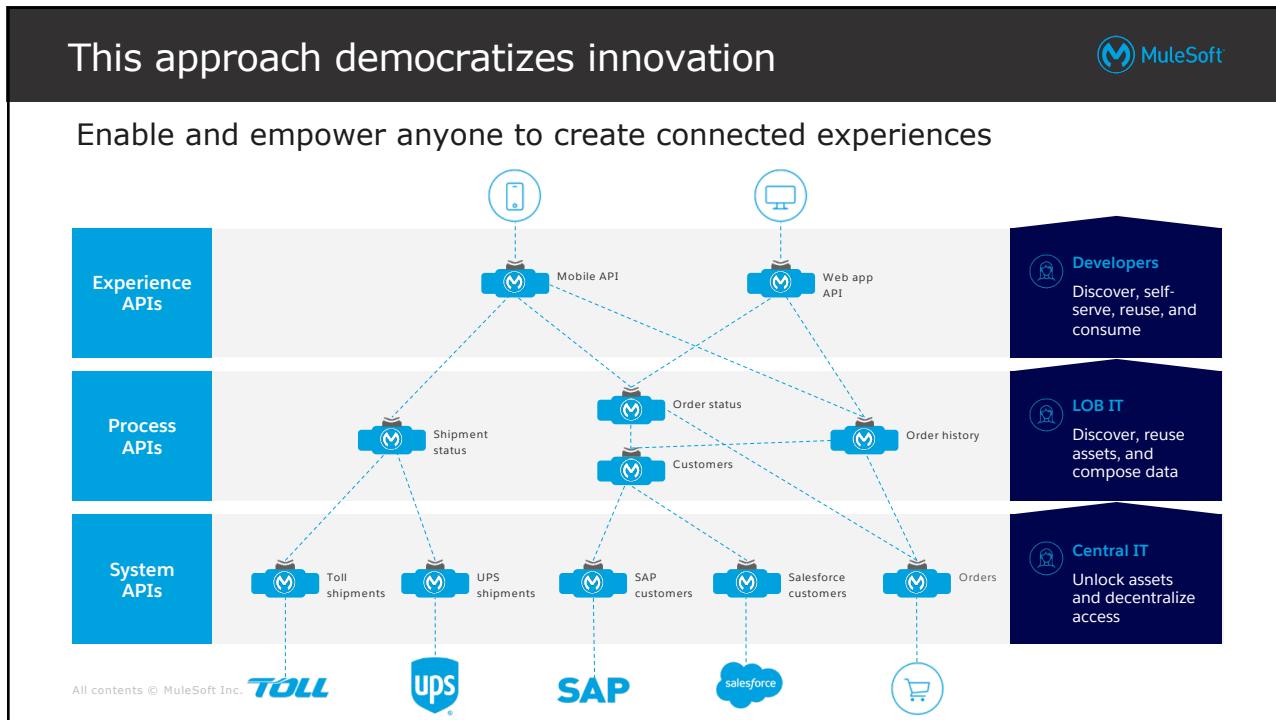
Accelerate business outcome with reusable APIs



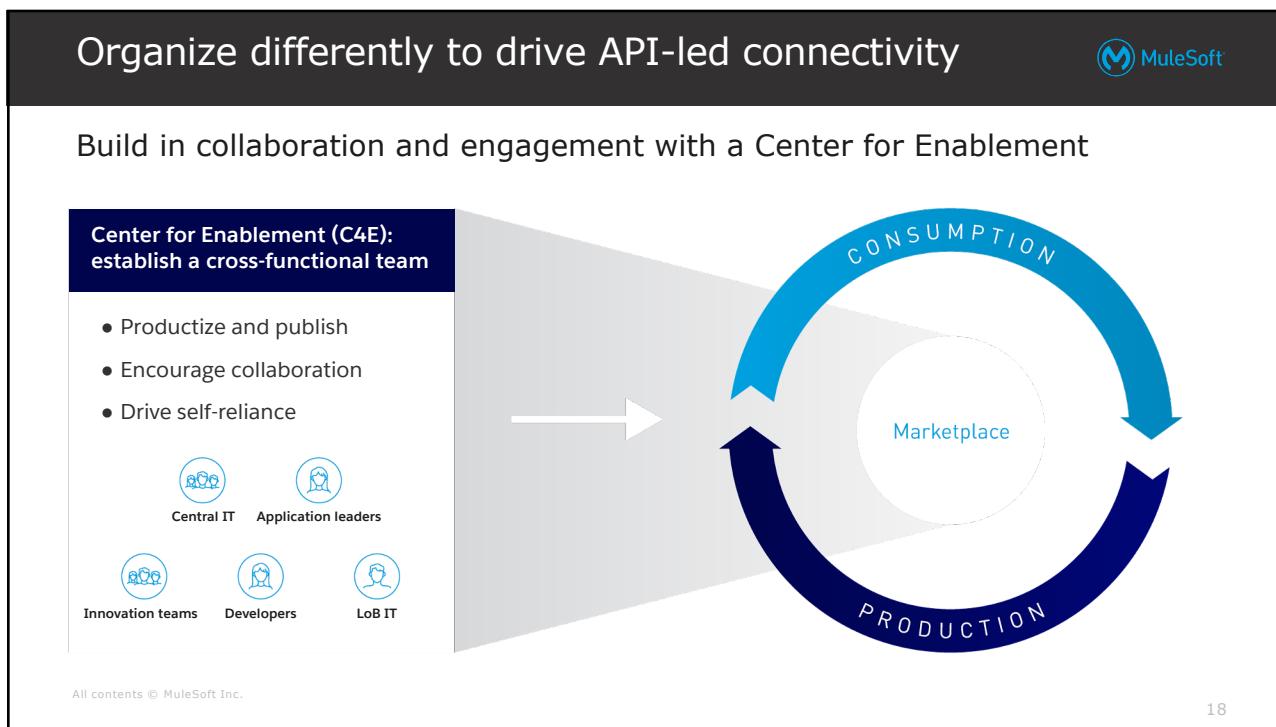
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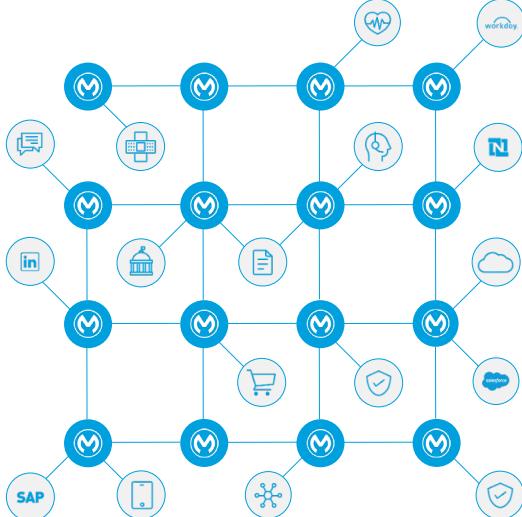


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Application Network

 MuleSoft



An application network

- **Emerges** bottom-up via self-service
- Provides visibility, security and governability at every **API node**
- Is recomposable: it bends, not breaks – **built for change**

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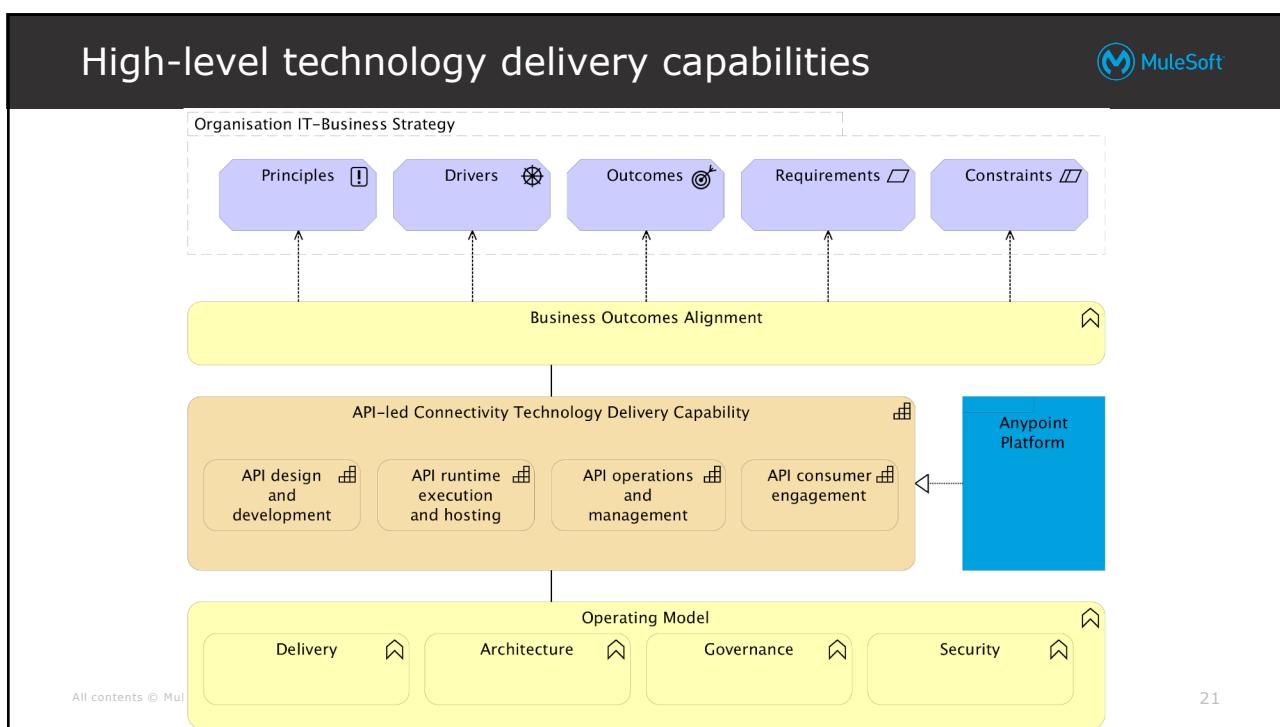
Section 3

Highlighting important capabilities needed to realize application networks



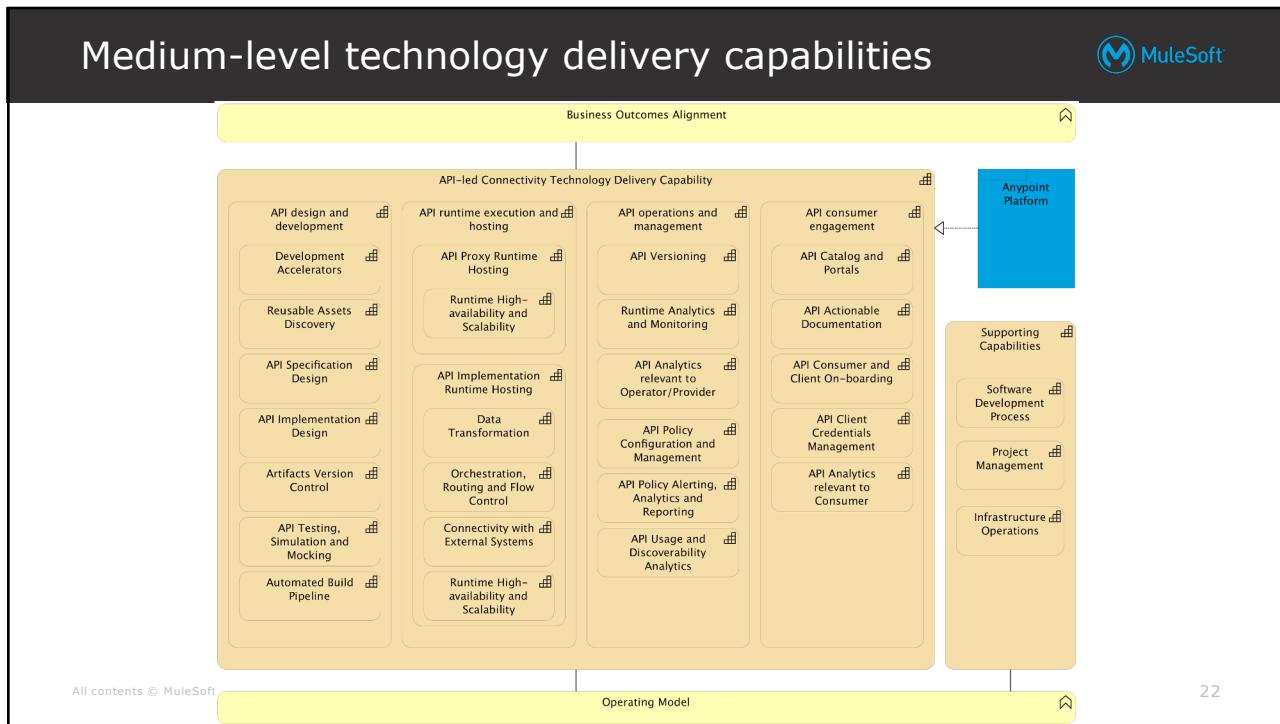
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High-level technology delivery capabilities



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Medium-level technology delivery capabilities



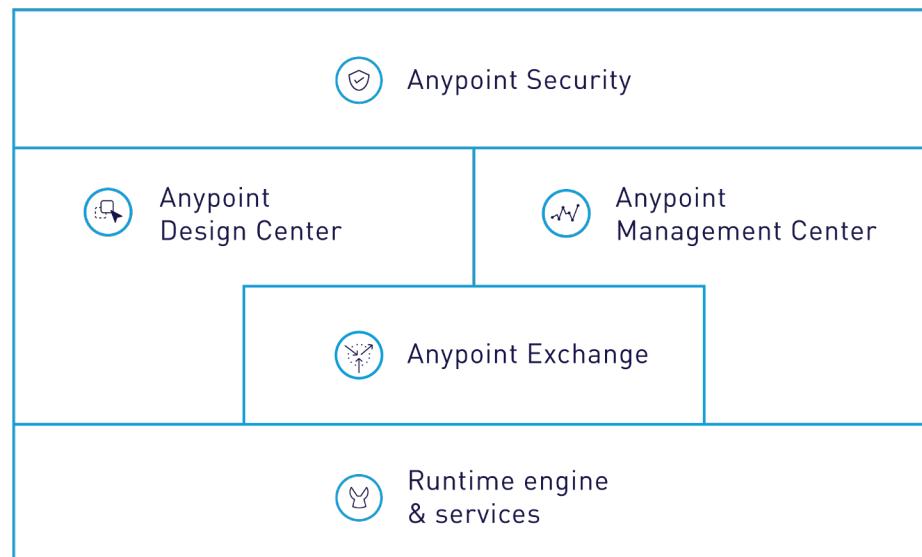
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Section 4 Introducing Anypoint Platform



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Anypoint Platform components



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Anypoint Connectors



- **Connectivity** to external systems
- Dynamic connectivity to **APIs**
- Build **custom connectors** using DevKit/SDK

Connectors | premium

Connector Google DFP Connector MuleSoft	Connector Partner Manager Connector MuleSoft	Connector RosettaNet Connector MuleSoft	Connector SAP Connector MuleSoft	Connector Oracle PeopleSoft Connector MuleSoft
Connector AS2 Connector MuleSoft	Connector Oracle E-Business Suite (EBS) Connector MuleSoft	Connector Oracle E-Business Suite (EBS) 12.2 Connector MuleSoft	Connector HL7 Connector MuleSoft	Connector Oracle Siebel Connector - Integration Objects MuleSoft
Connector Oracle Siebel Connector - Business Services MuleSoft	Connector Oracle Siebel Connector - Business Objects MuleSoft	Connector X12 EDI Connector MuleSoft	Connector EDIFACT EDI Connector MuleSoft	Connector TRADACOMS EDI Connector MuleSoft

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Automation on Anypoint Platform



- Anypoint Platform exposes consolidated **web UI**
- Functionality is also available via **Anypoint Platform APIs**
 - **JSON REST APIs** which are also invoked by the web UI
- Allows **extensive automation** of the interaction with Anypoint Platform
- Higher-level automation tools:
 - **Anypoint CLI**
 - **Mule Maven Plugin**
 - Automates packaging and deployment of Mule apps to Mule runtimes
 - Used in CI/CD pipelines
- Anypoint Exchange is also accessible as a **Maven repository**
 - Maven build can deploy artifacts into Anypoint Exchange and retrieve artifacts from it

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Audit logging on Anypoint Platform



- Maintains audit log of all **changes** to an organization:
 - timestamp of change
 - user (subject)
 - affected Anypoint Platform object
 - action performed (verb)
- Types of action: **Create/update/delete**
- Specific, concrete **actions** for each type
 - Update (edit) an API version (object):
 - add tag, remove tag, edit name, ...
- Retrieve and query via web **UI** and Platform **API**
- The retention period: **6 years**

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Summary



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Summary



- **MuleSoft's mission** is "To connect the world's applications, data and devices to transform business"
- MuleSoft proposes to close the increasing IT delivery gap through a **consumption-oriented operating model** with **APIs** as the core enabler
- **API-led connectivity** defines **tiers** for Experience APIs, Process APIs and System APIs with distinct stakeholders and focus
- An **application network** emerges from the repeated application of API-led connectivity and stresses self-service consumption, visibility, governance and security

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Summary



- Anypoint Platform provides the **capabilities** for realizing application networks
- **Anypoint Platform** consists of these high-level components: Anypoint Design Center, Anypoint Management Center, Anypoint Exchange, Mule runtime and services
- Interaction with Anypoint Platform can be extensively **automated**
- Anypoint Platform maintains an **audit log** of all changes

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