

# Runtime Strategies

Infrastructure designed with the end in mind

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# Housekeeping

- This webinar is being recorded
- Use the Chat to ask your questions
- Use the reaction tool to let us know what you're excited for
- Complete the brief survey and share your feedback with us before you leave

# Disclaimer

This presentation contains forward-looking statements based on current expectations, forecasts and assumptions that involve risks and uncertainties. As such, the dates and deliverables represented cannot be guaranteed and should not be viewed as commitments.



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Account Executive

# Agenda



- 01** What is an Integration Runtime?
- 02** Why is a Runtime Strategy Important?
- 03** Factors to consider When Selecting a Runtime
- 04** Boomi Hosted Runtime Spectrum
- 05** Q & A

# What is an Integration Runtime?

# What is an Integration Runtime?

*An integration runtime is a self-contained engine that securely connects directly to your endpoint applications and data sources and performs the integration process logic.*

## Two Deployment Models



### **Boomi-Hosted**

Fully managed, operated, and monitored by Boomi. Focus on building integrations — not infrastructure.



### **Customer-Hosted**

Installed and managed by your team on-premises or in your own cloud (AWS, Azure, GCP).

# Runtime Types at a Glance



## Basic Runtime

Lightweight, single-node engine.  
Contains all components to run  
processes end-to-end.

Single-tenant, single-node



## Runtime Cluster

Multiple nodes working together for  
load balancing, failover, and high  
availability.

Single-tenant, multi-node

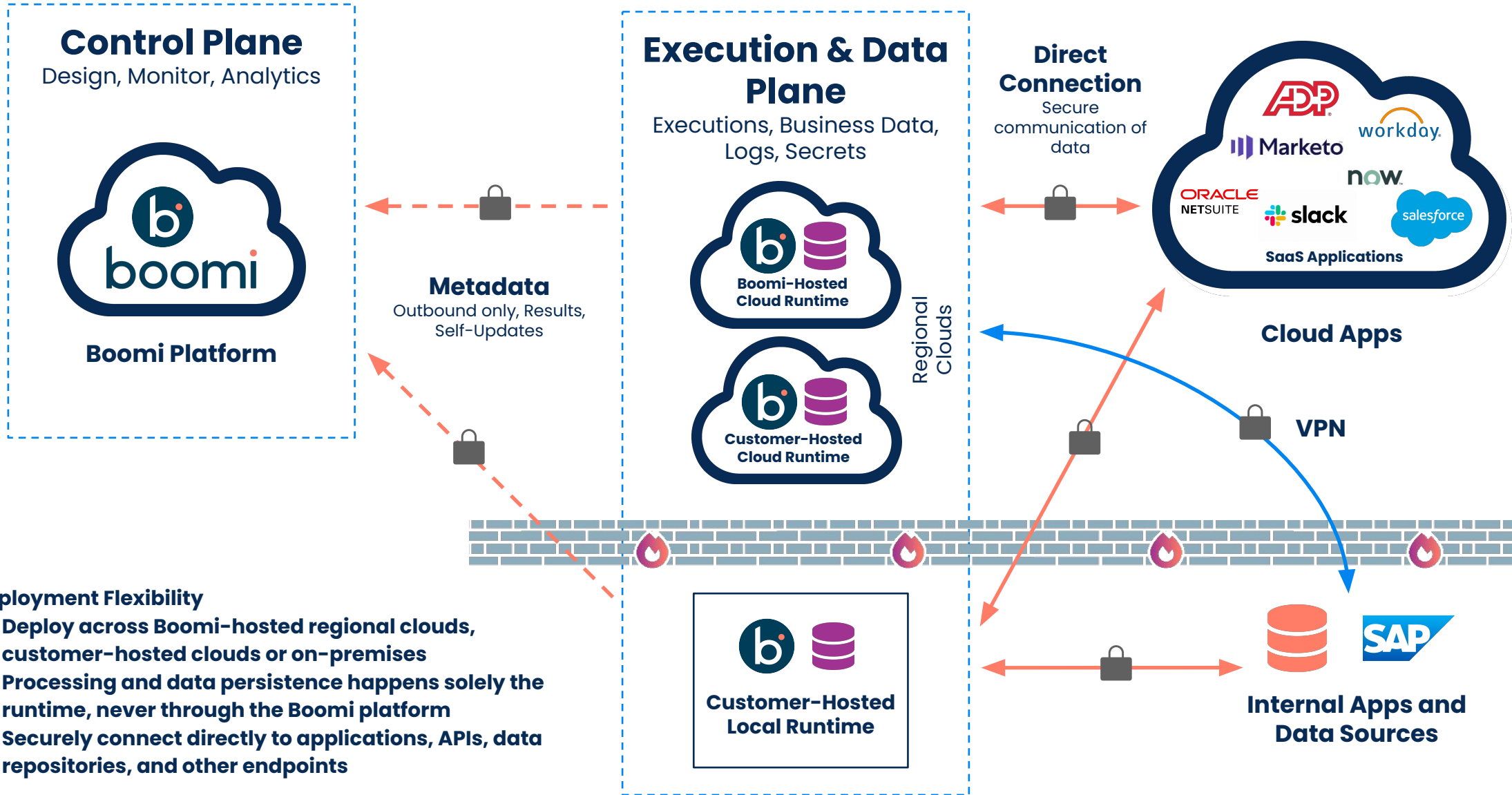


## Runtime Cloud

Multi-tenant, clustered runtime across  
multiple machines for maximum scale.

Multi-tenant, multi-node

# Boomi Enterprise Platform + Runtime



## Deployment Flexibility

- Deploy across Boomi-hosted regional clouds, customer-hosted clouds or on-premises
- Processing and data persistence happens solely the runtime, never through the Boomi platform
- Securely connect directly to applications, APIs, data repositories, and other endpoints

# Why is a Runtime Strategy Important?

# Why Your Runtime Strategy Matters



## Performance & Reliability

Wrong runtime choice leads to bottlenecks, outages, and failed integrations during peak loads.



## Cost Optimization

Over-provisioning wastes budget. Under-provisioning risks downtime. Strategy finds the sweet spot.



## Security & Compliance

Data residency, encryption requirements, and regulatory mandates vary by runtime model.



## Scalability & Growth

Your integration needs will grow. A strategy ensures your runtime can scale with the business.

# The Risk of Getting It Wrong

## Downtime

Unplanned outages from under-provisioned runtimes disrupt business-critical integrations

## Overspend

Running premium infrastructure when a simpler option would suffice drains budget unnecessarily

## Compliance Risk

Data flowing through the wrong region or shared infrastructure can violate regulations

## Ops Overhead

Self-managing runtimes when a hosted option exists means patches, monitoring, and firefighting

# Factors to Consider



# Performance & Scalability



## What is your expected transaction volume?

High volume needs clusters or clouds for concurrent processing

## Do you need load balancing and failover?

Clusters and clouds offer multi-node redundancy; basic runtimes do not

## Will your integration workloads grow?

Choose a runtime that scales without re-architecture

## Do you require forked execution?

Isolates heavy processes in separate JVMs — available in clusters and clouds





# Security & Compliance

## Do you have data residency requirements?

A retail customer in Germany may require all transaction data to stay within the EU

## Is single-tenant isolation required?

A hospital network processing patient records may require a fully dedicated environment

## Do you need connectivity to private endpoints?

A financial institution may need a runtime that can connect directly to their private trading systems

## What compliance standards must be met?

A health insurance company must meet HIPAA standards for all data in transit and at rest

# \$ Cost & Operational Overhead

## Boomi-Hosted

- No infrastructure management
- Patches and upgrades handled by Boomi
- Predictable subscription pricing
- Reduced need for DevOps staff
- Focus resources on integration logic

## Customer-Hosted

- Requires server provisioning & maintenance
- Your team handles patches & upgrades
- Infrastructure + staffing costs
- More control, but more responsibility



# Geography & Latency



## Where are your data sources and endpoints?

Placing runtimes close to your systems reduces latency and improves throughput

## Do you operate in multiple regions?

Boomi hosted clouds are available globally — choose the region closest to your workloads

## Do you have disaster recovery requirements?

Some regulations require a mature disaster recovery plan



# Decision Factors Summary



## Performance

Volume, concurrency, failover needs



## Security

Isolation, VPN, compliance mandates



## Cost

Total cost of ownership vs. managed pricing



## Geography

Data residency, latency, regional availability



## Operations

Team capacity for runtime management



## Multi-tenancy

Shared vs. dedicated infrastructure needs

# Boomi Hosted Runtime Spectrum

# Why Host with Boomi?



## Save Time

Accelerate deployment, reduce maintenance efforts, and streamline updates with a fully managed cloud environment and pre-built architecture



## Save Money

Reduce infrastructure, maintenance, and operational costs by eliminating the need for on-premises hardware and dedicated IT resources

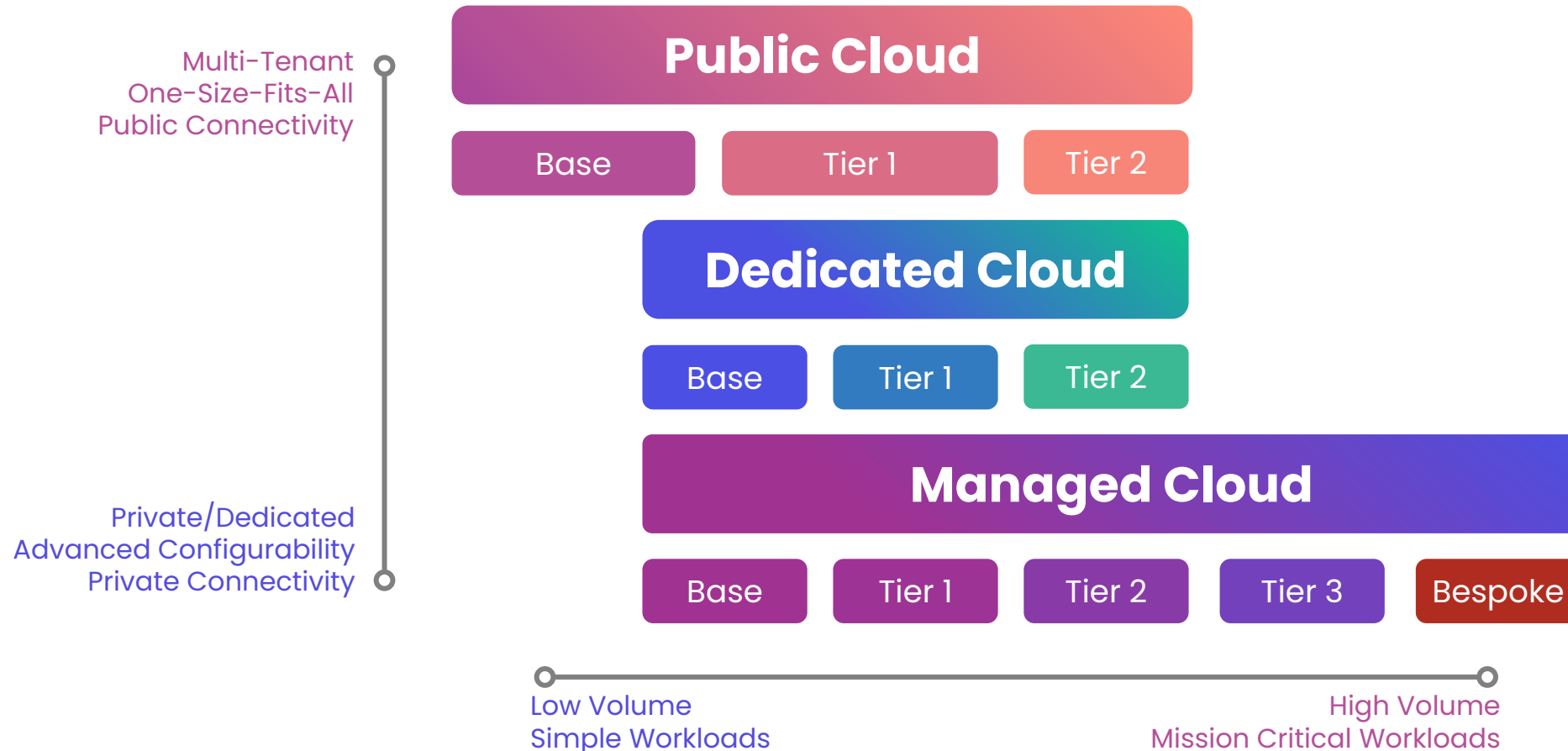


## Reduce Complexity

Leverage Boomi's expert support teams to rapidly troubleshoot incidents and identify infrastructure or runtime related issues

# Boomi Hosted Runtimes

A Boomi hosted runtime option for every use-case



# Key Considerations

Choosing the right Boomi Hosted Runtime option for you



## Capabilities

Understanding features, functionalities and limitations across the various offerings, including:

- ✓ Network Connectivity
- ✓ Configurability
- ✓ Observability



## Capacity

Rightsizing the runtime based on your workload profiles and volumetric requirements, including:

- ✓ Batch vs Real-Time
- ✓ Concurrency
- ✓ Latency



## Services

From full self-service to high touch services, choose the level of engagement for your success:

- ✓ No, Light or High Touch
- ✓ Technical and/or Strategic
- ✓ Ad-hoc vs Continuous

# Services Overview

## High Level Comparison

	Public Cloud	Dedicated Cloud	Managed Cloud
<b>Availability</b>	99.99%	99.99%	99.99%
<b>Support</b>	24/7/365	24/7/365	24/7/365
<b>Tenancy</b>	Multi	Single ( <i>Single-Attach</i> )	Single ( <i>Multi-Attach</i> )
<b>Connectivity</b>	Public Internet Only	Basic Private Connectivity	Advanced Private Connectivity
<b>Capacity</b>	☆☆	☆☆☆	☆☆☆☆
<b>Configurability</b>	None	Limited	Advanced
<b>Advisory Services</b>	None	*Light-Touch	High-Touch
<b>Observability</b>	None	None	Self-Service & APIs
<b>High Availability</b>	✓	✓	✓
<b>Disaster Recovery</b>	8h RTO / 4h RPO	8h RTO / 4h RPO ( <i>Optional</i> )	8h RTO / 4h RPO ( <i>Optional</i> )

# Choosing the Right Hosted Runtime

## Public Cloud Service

- Standard workloads, **No strict isolation** requirements. Want to get running fast with zero setup.

## Dedicated Cloud Service

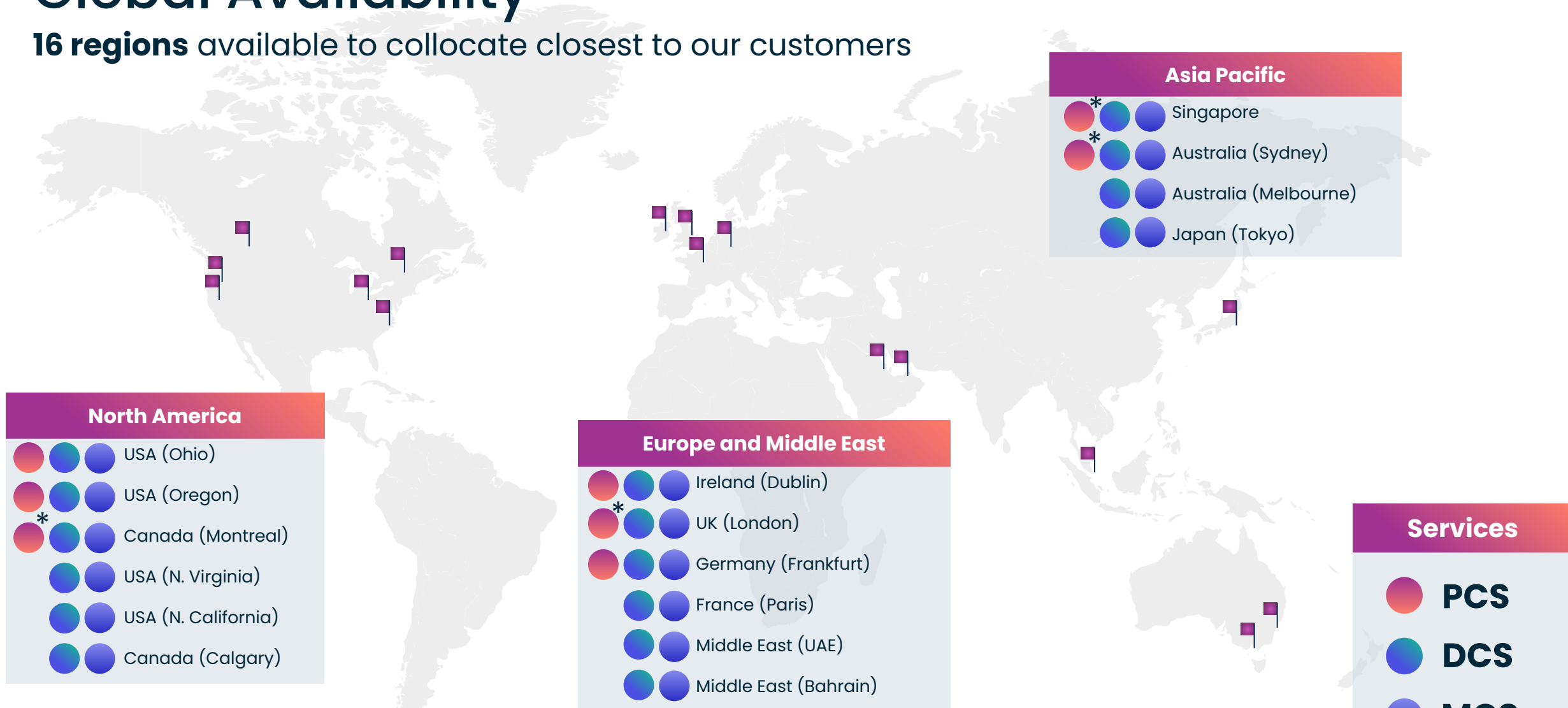
- Compliance requires **tenant isolation**. You need VPN to on-prem systems. Increased runtime capacity to support **growing blend of workloads**. Self Service UI for streamlined deployment.

## Managed Cloud Service

- **Mission-critical** workloads. Need **custom** sizing and **custom configurations**. Require dedicated runtime cloud advisory from Boomi.

# Global Availability

16 regions available to collocate closest to our customers



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\* Base Tier Only

# Success Stories

# Protecting Business Continuity and Agility with Managed Cloud Services

Faced with imminent business disruption, one of APAC's largest transport and logistics companies (a \$4.2b business with over 10,000 employees) turned to Boomi's **Managed Cloud Service**.

## Outcomes



Protect Business Continuity



Reduce Complexity



Improve Customer Experience

## Challenges

Building their own infrastructure would have taken at least twice as long as standing up MCS and would have incurred a minimum **\$125,000 revenue loss** per fortnight of delay.

Technical issues were being passed between IT teams as each tried to diagnose the problem, wasting time and eroding customer experience. With customer goods stuck in warehouses needing to be transported immediately, any delay was crucial and impacted revenue. The average **revenue loss was \$12,500 per hour of delay**.

## Results

The new MCS instance in 2 weeks and had customer migrated across in only 9 days. By simplifying their hosting, they **avoid wasted time** diagnosing and resolving issues.

With Boomi MCS, issues no longer occur, as the environment is constantly monitored and managed. There are no longer disruptions to customer business.

In addition to the technology cost savings, Boomi MCS **avoids business disruption**, revenue loss and erosion of customer goodwill.



# Liberate Resource Capacity with Managed Cloud Services

“Not having to worry about monthly upgrades make it a lot easier than other products we are managing” -  
*Technology Manager*

## Outcomes



Reduce Time



Reduce Effort



Reduce Expense

## Goals

A large, world leading University (in the top 10% globally and a AU\$3.2b business) is using Boomi Managed Cloud Service to reduce their technology burden and **redirect resources to business priorities.**

By not wasting time and effort on these infrastructure overheads, the organisation aimed to release **1.0 FTE capacity annually** to redirect to accelerating business priorities.

## Results

By leveraging Boomi Managed Cloud Services, the organisation has **reduced** the **time, effort** and **expense** required for;

- Building the technical infrastructure (requirements, design, testing, etc.)
- Ongoing monitoring and management (incident response, tuning, patching, etc.)
- Monthly upgrades, security patching
- Recruiting in-house specialist resources



# Key Takeaways



A runtime strategy is not optional — it directly impacts performance, cost, security, and scalability



Boomi hosted runtimes let you offload infrastructure management so you can focus on integrations



Evaluate your requirements across performance, compliance, cost, and geography before choosing



Boomi Hosted Runtimes portfolio offers a broad spectrum of capabilities, enabling you to select the runtime model that best aligns with your specific requirements.

Questions?

# Next Steps

- **Excited to get started?** Reach out to your **Account Manager & CSM** to get set-up today
- Compare hosted runtime options side-by-side in our **[Hosted Runtimes Comparison Guide](#)**
- Access our free **[Boomi Architect learning journey](#)** to level-up your Runtime skills
- Roadmap info, please visit **<https://boomi.com/product-updates/>**
- Register for Boomi World Tour Sydney **<https://boomi.com/boomiworld/boomi-world-tour-sydney/>**

Thank You