Data Processing at the Speed of Business with IBM and Hazelcast

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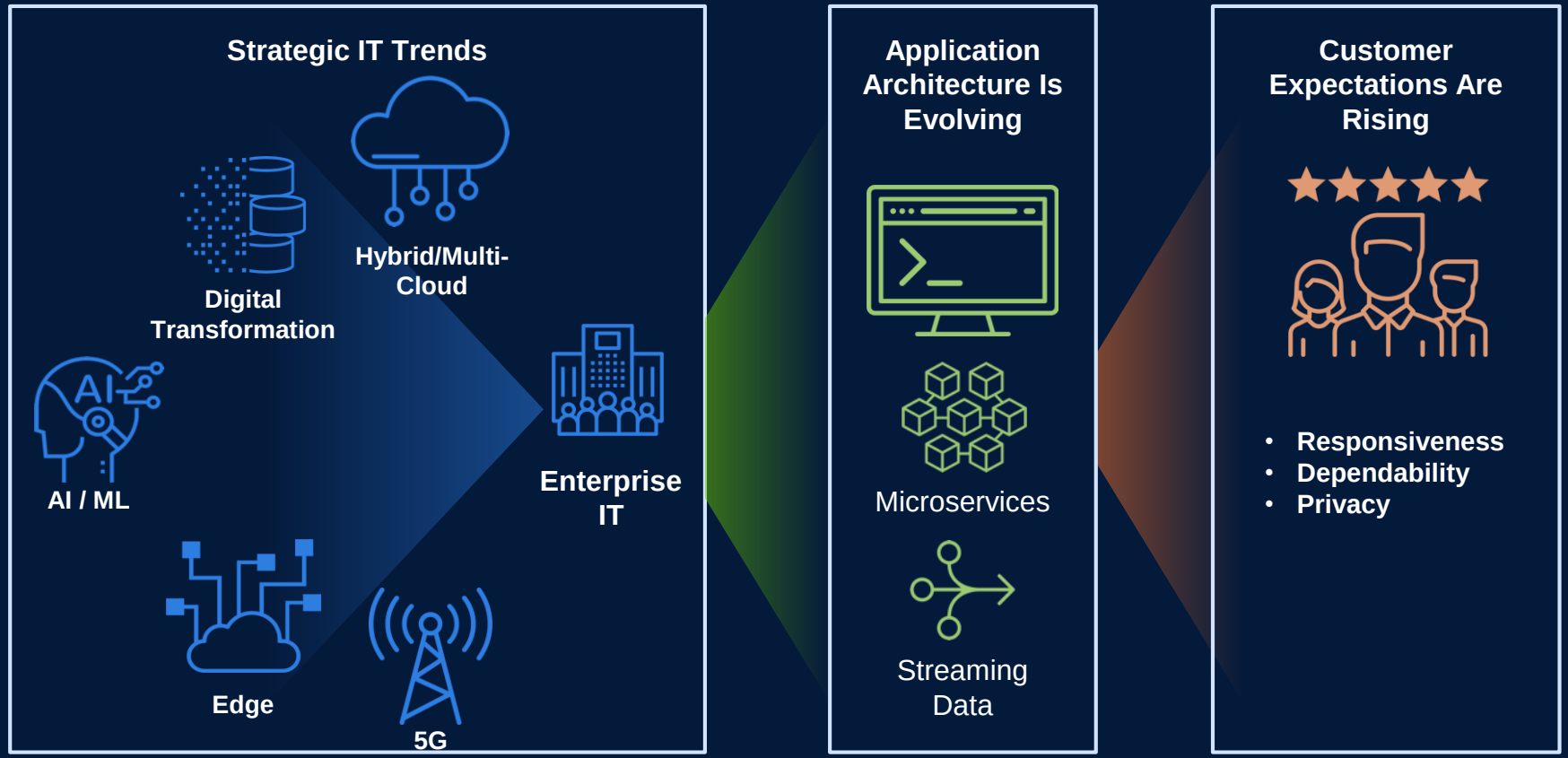
Agenda

- Key trends today
  - Multi-cloud
  - Application performance
- How Hazelcast and IBM are working together
- Quick demo

IT Trends and Changing Customer Expectations



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Growing Expectations Are Pervasive

Gaming

Video Conferencing???

All industries compete with regard to customer experience.

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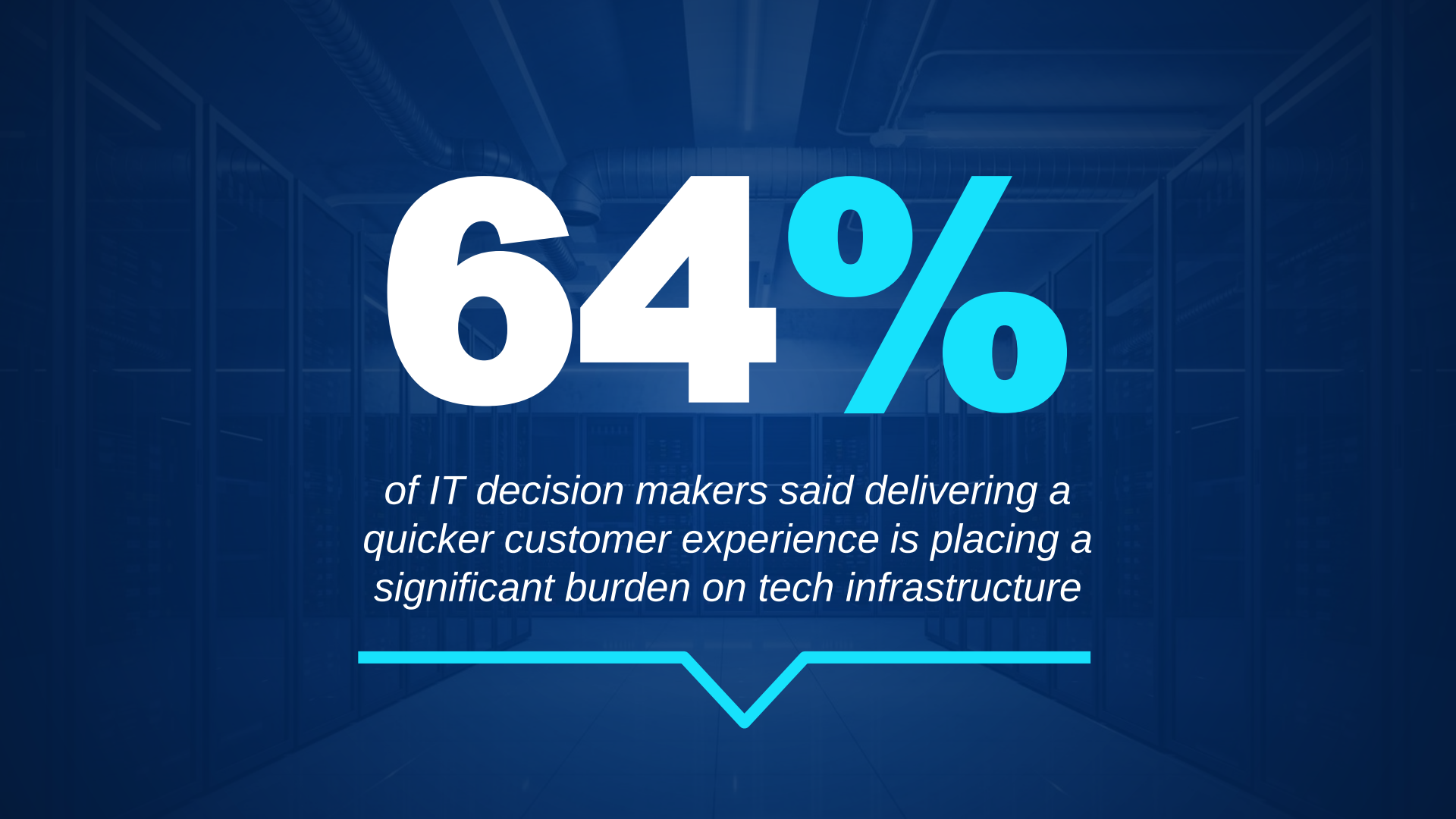
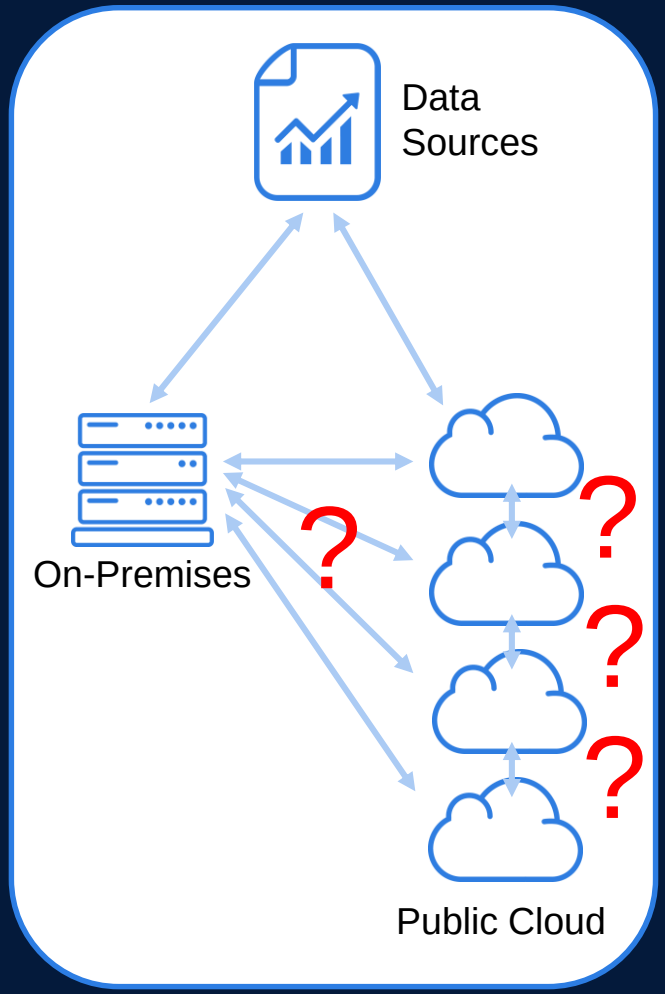

64%
of IT decision makers said delivering a quicker customer experience is placing a significant burden on tech infrastructure

Multi-Cloud as a Must-Have

- Multi-cloud deployment entails
  - Application and data integration across sites and cloud vendors
  - Consistent interfaces across locations

- Why multi-cloud
  - Advantages and requirements with local cloud sites
    - Lower latency with sites closer to data sources
    - Regulations around data location
  - Flexibility to choose each teams' preferred vendor
  - Extra safeguarding against widespread outages
  - Reduce cloud vendor lock-in concerns
  - Exposure to greater range of technical capabilities



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Performance Drives Value

per·for·mance
/pərˈfôrməns/

Low Latency + Scalability + Availability + Reliability + Security

= **Business Value Realized**

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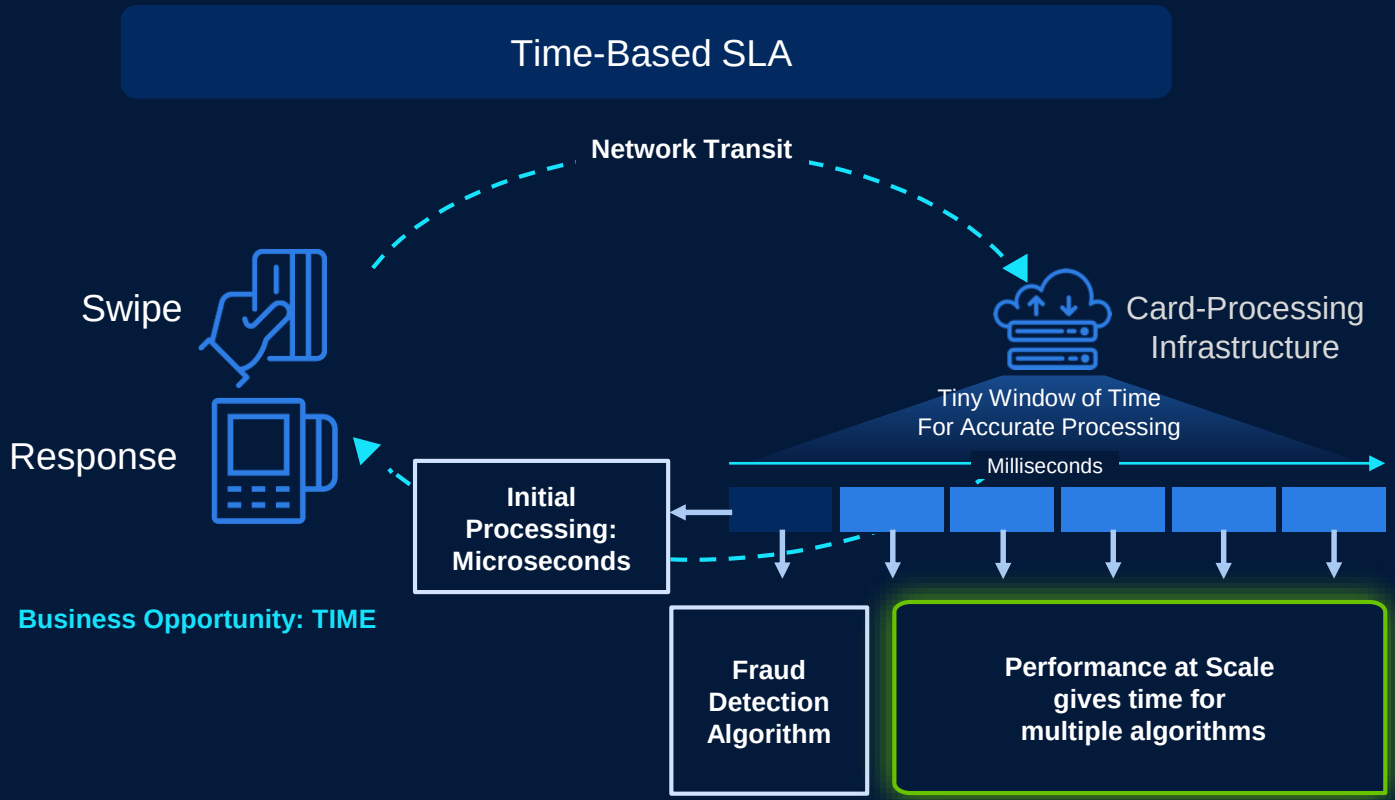
Performance Enables More Success

Example: Credit Card Processing



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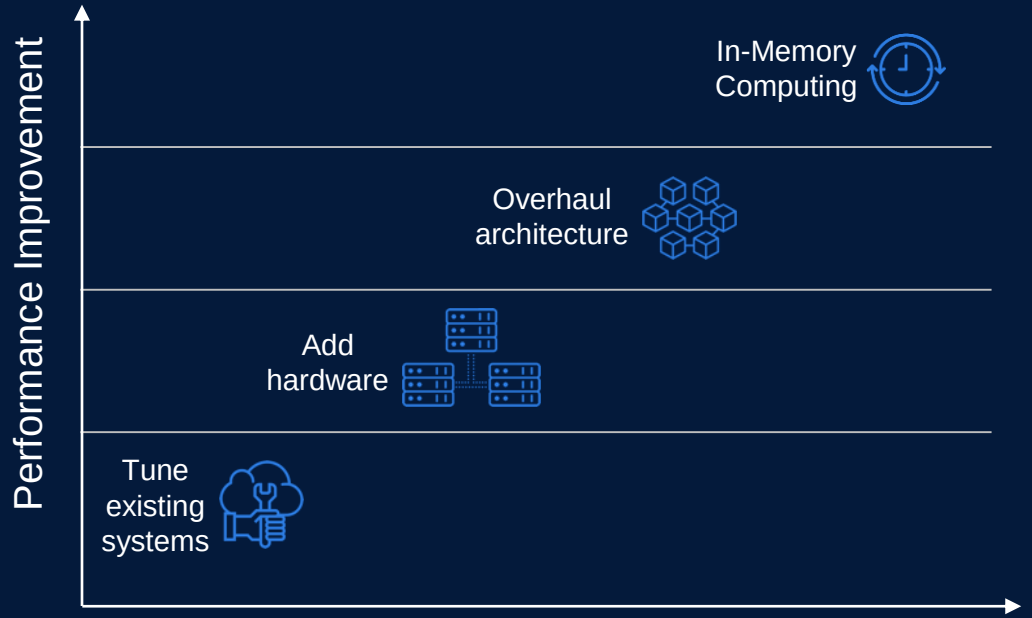
Approaches for Gaining Performance



Responsiveness
Dependability
Privacy

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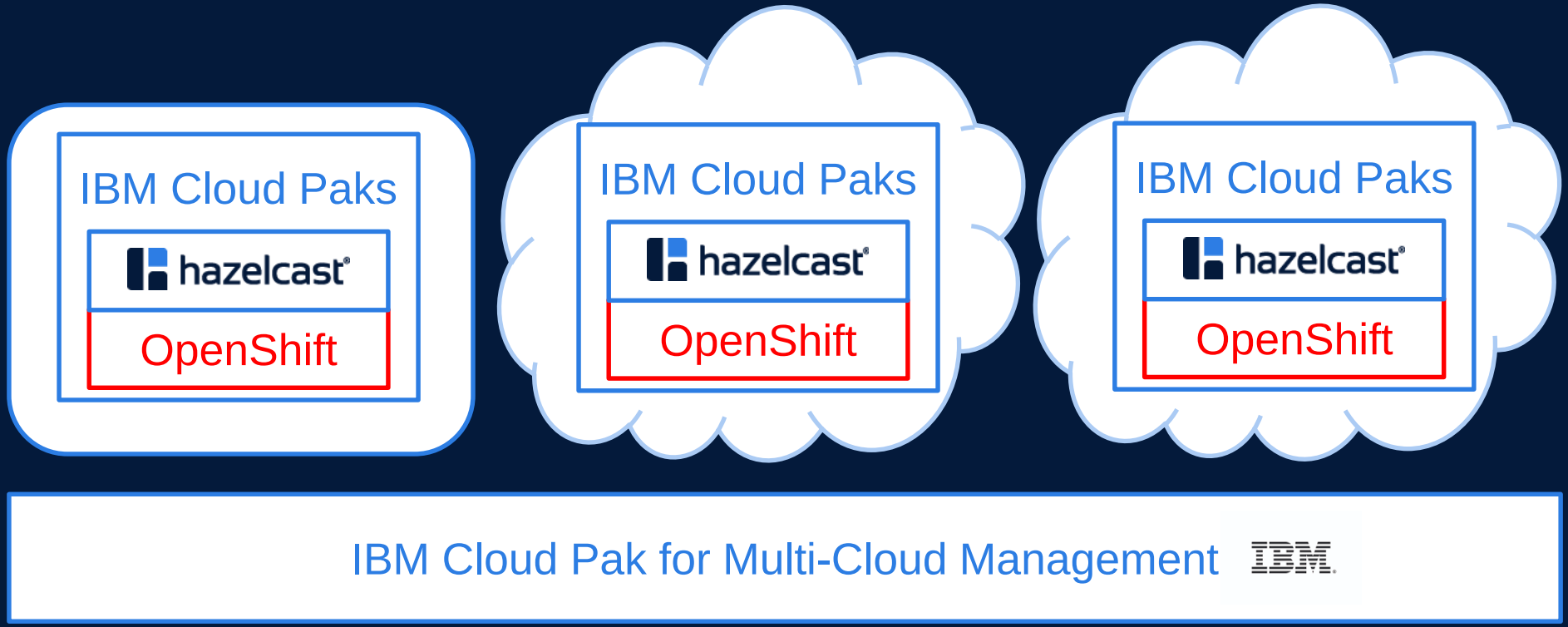
One Approach to Multi-Cloud and Performance

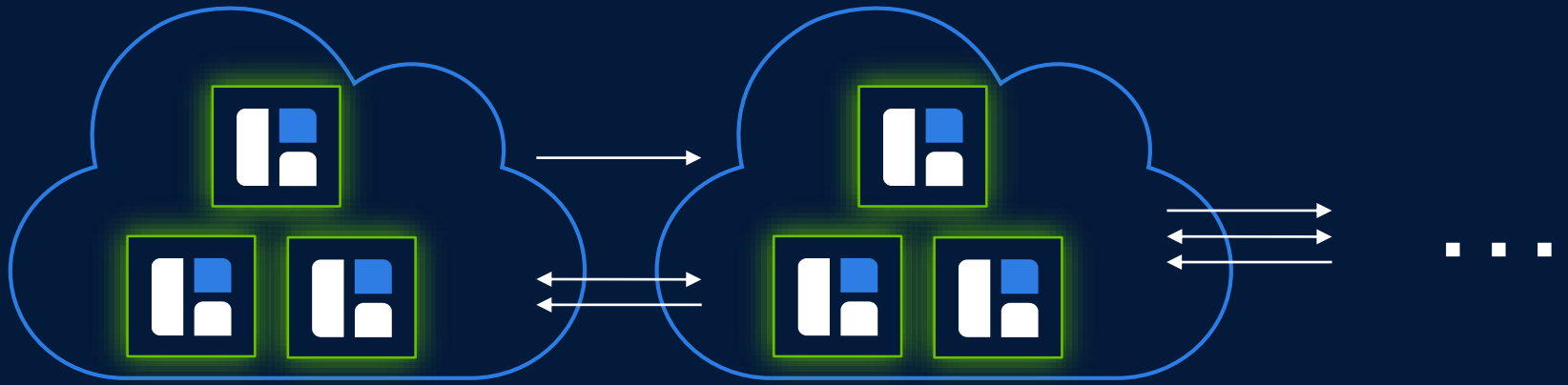
- IBM Cloud Paks – enterprise-ready, containerized software solutions
  - Applications
  - Multi-Cloud Management
  - Integration
  - Automation
  - Security
  - Data
- Red Hat OpenShift – platform based on Linux, containers, and Kubernetes
- Hazelcast – in-memory computing platform to accelerate applications

IBM Cloud Pak for Multi-Cloud Management

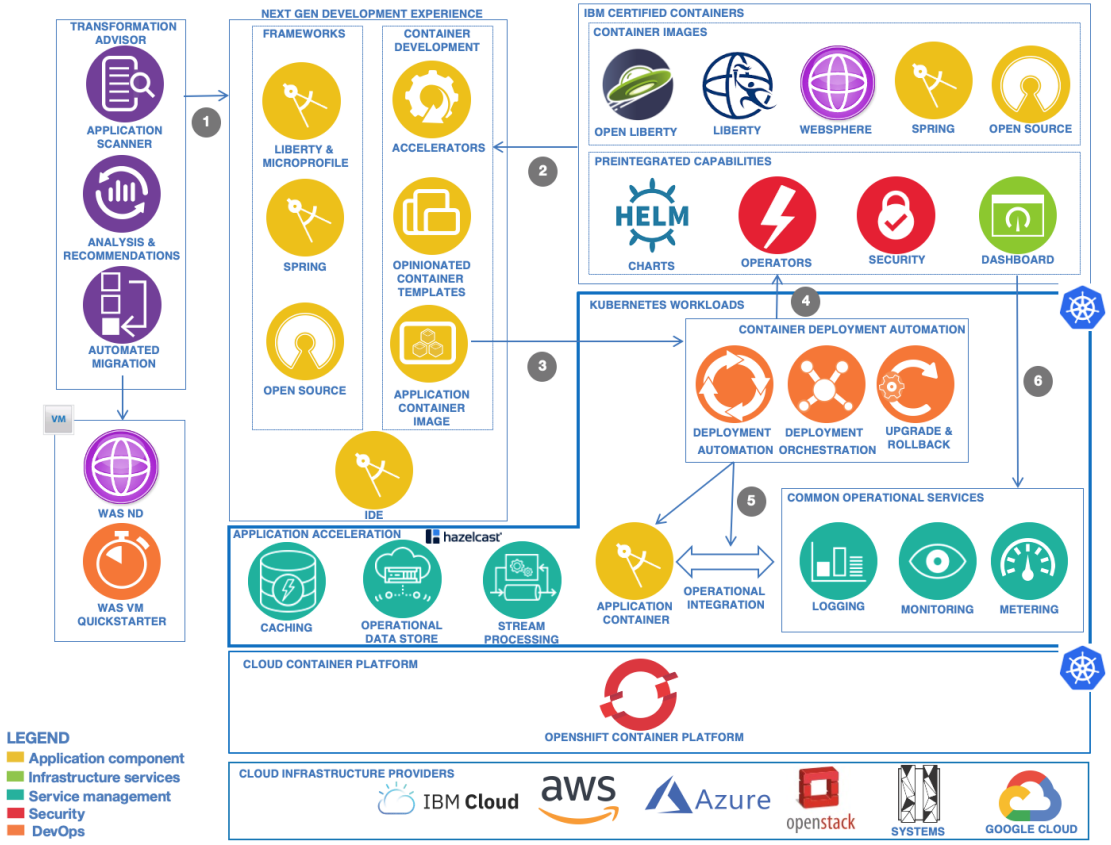


WAN Replication to Synchronize Clouds

- Synchronize data between all on-premises and cloud sites
- Ideal for both disaster recovery and geographic distribution
- Run active-active and/or active-passive topologies for any number of sites
- Has built-in optimizations to efficiently replicate cluster deltas



Application Modernization Architecture



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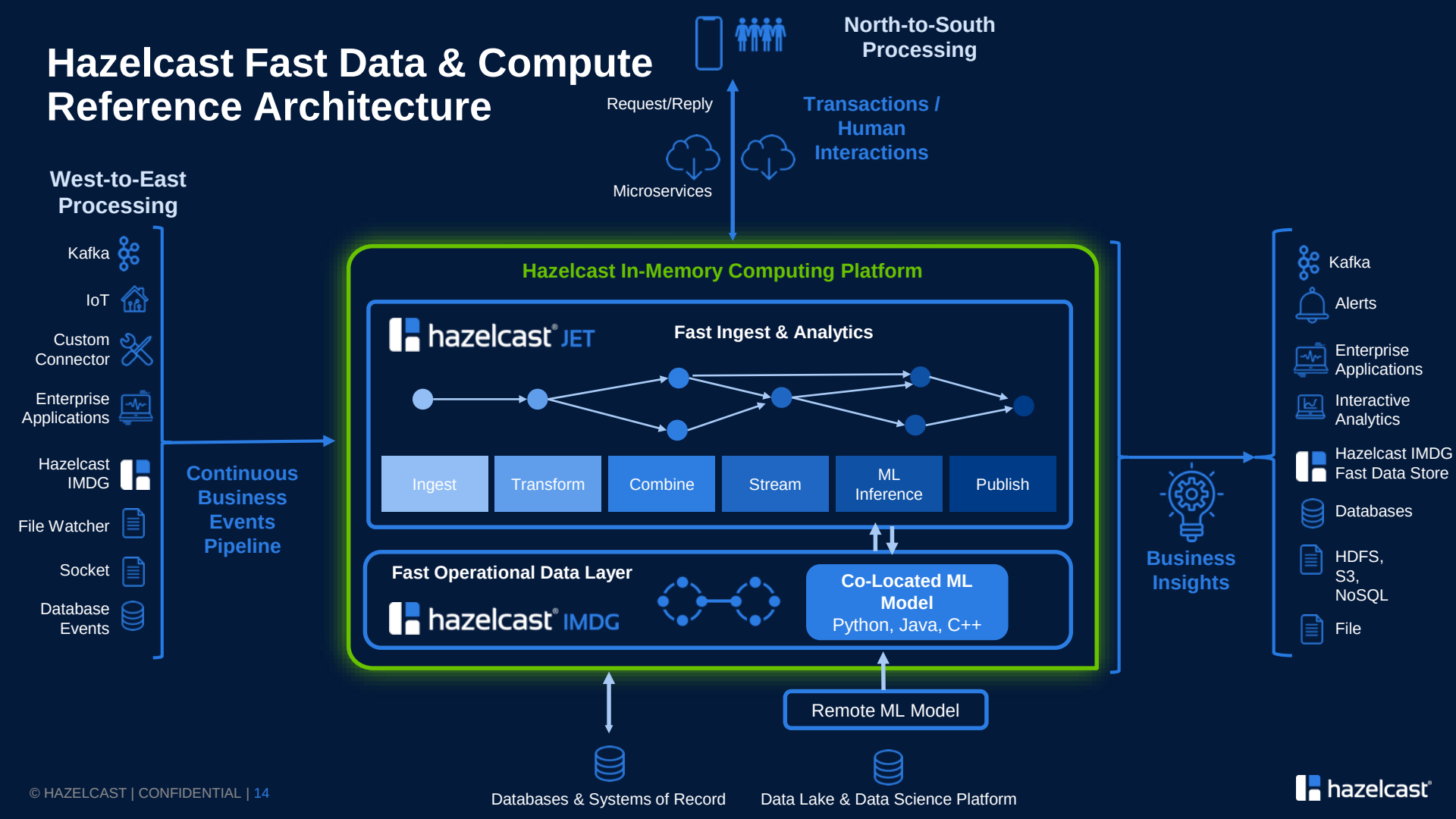
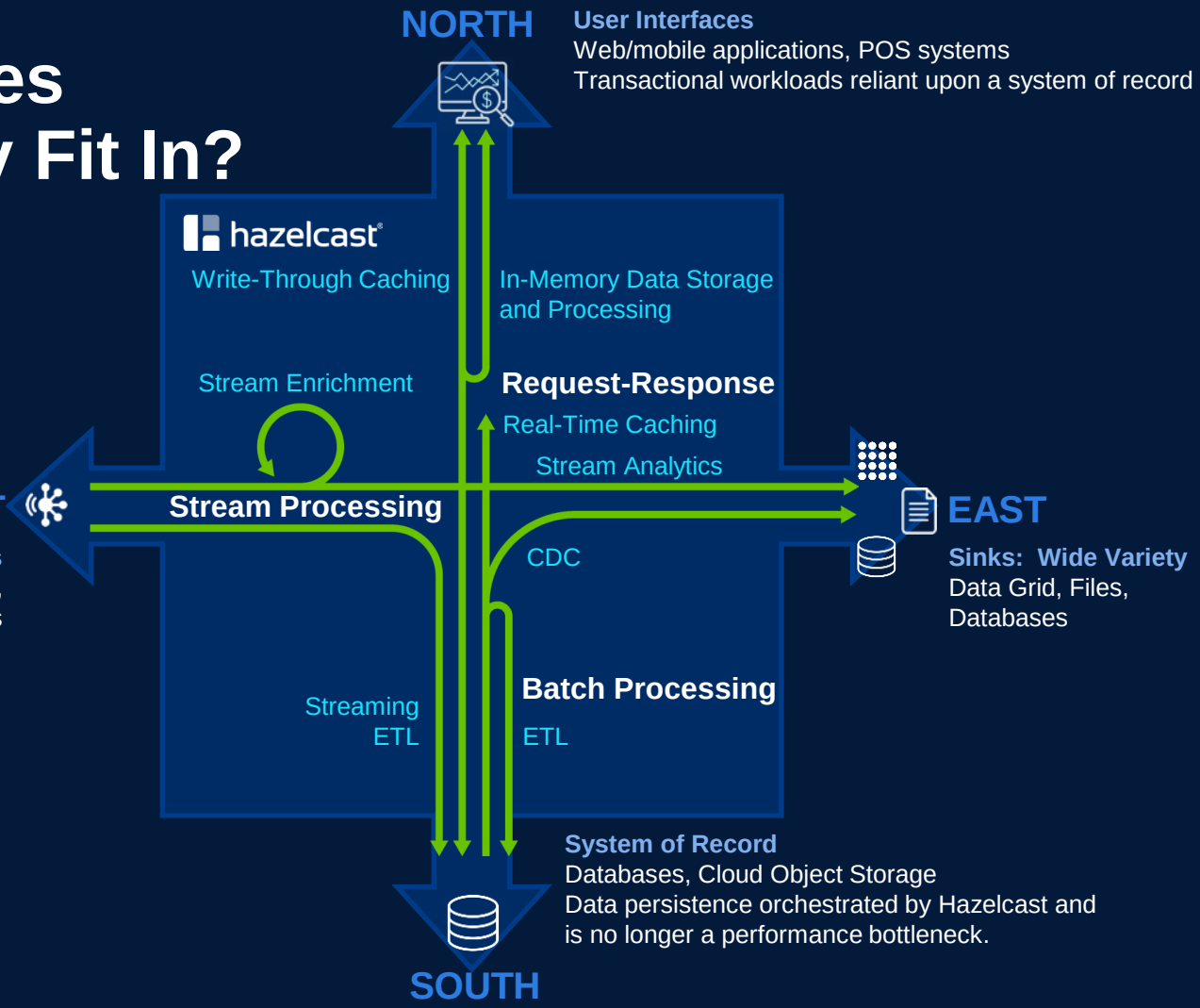
Hazelcast Fast Data & Compute Reference Architecture



Where Does In-Memory Fit In?



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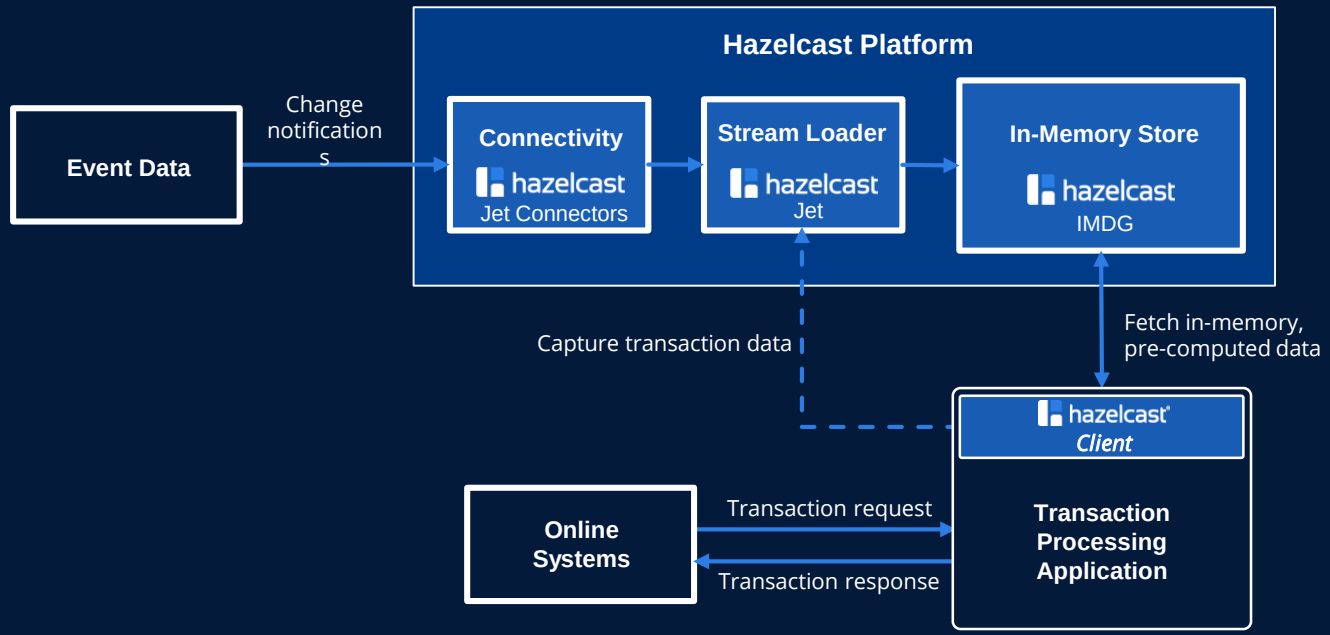
Transactional Systems Architecture



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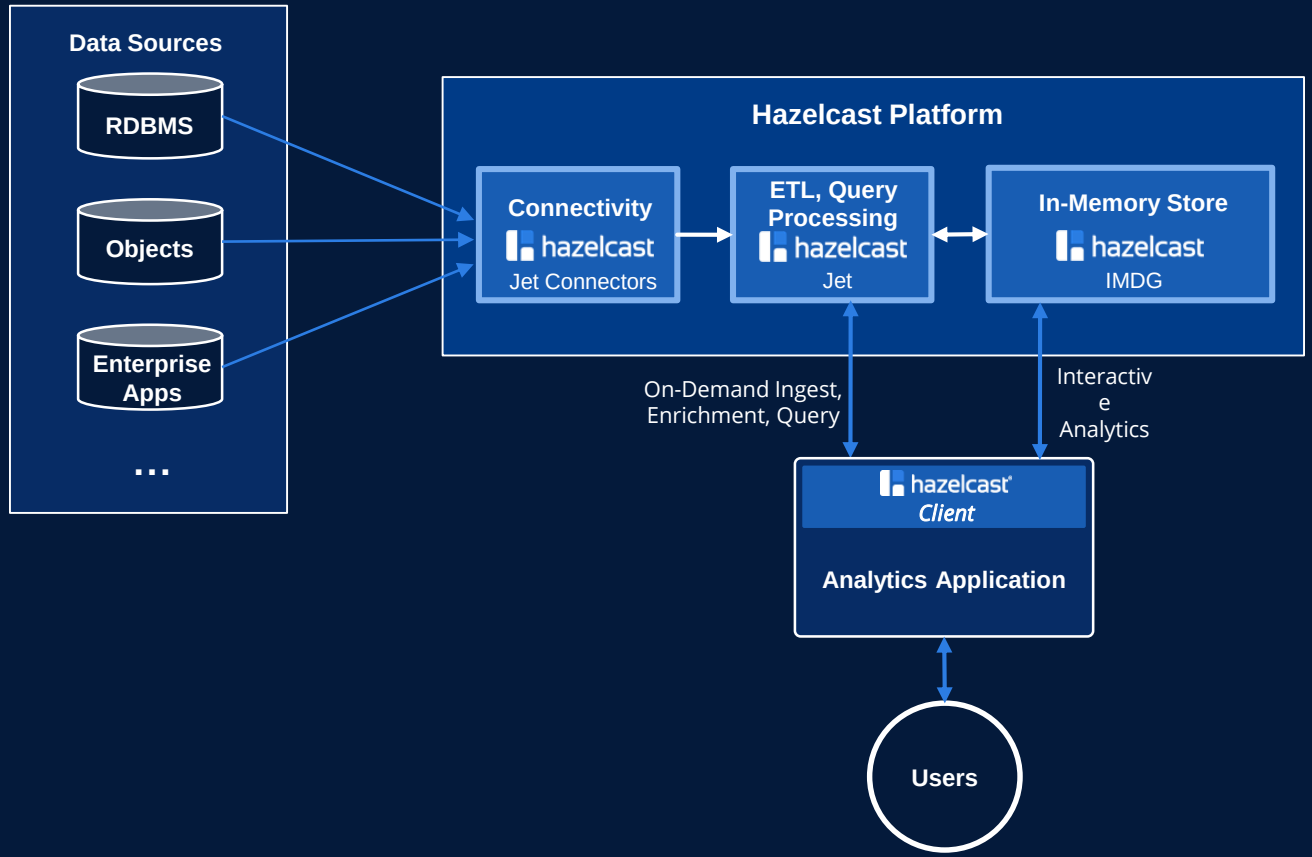
On-Demand Analytics Architecture



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Scale Components Together

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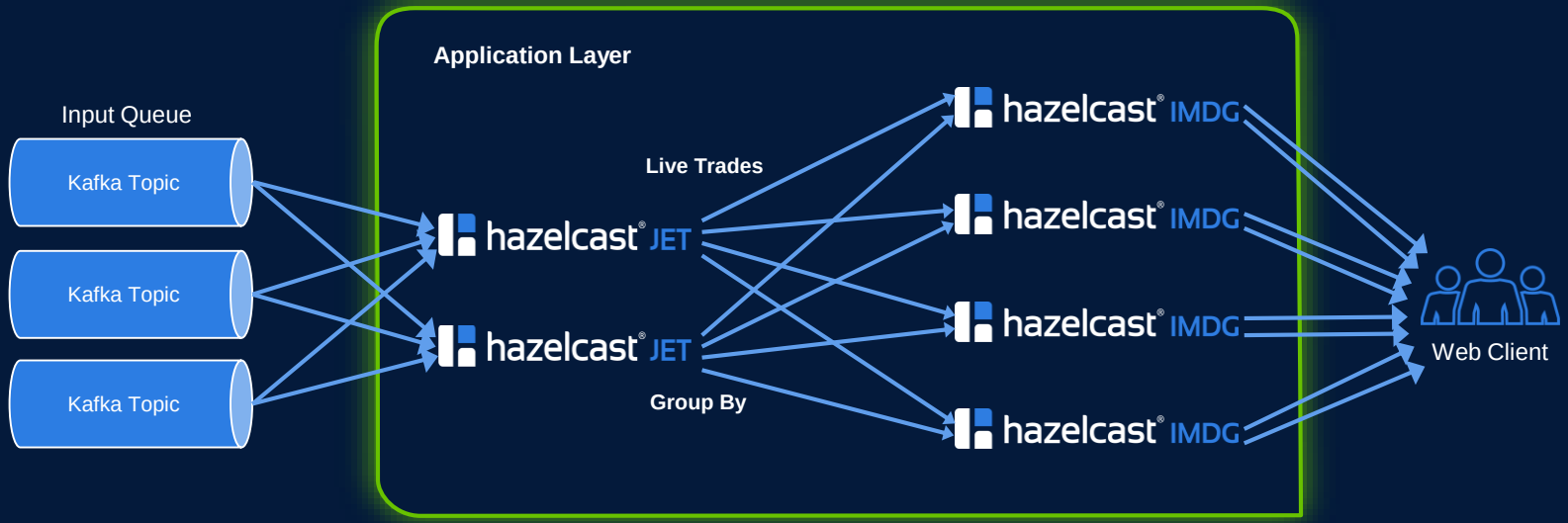
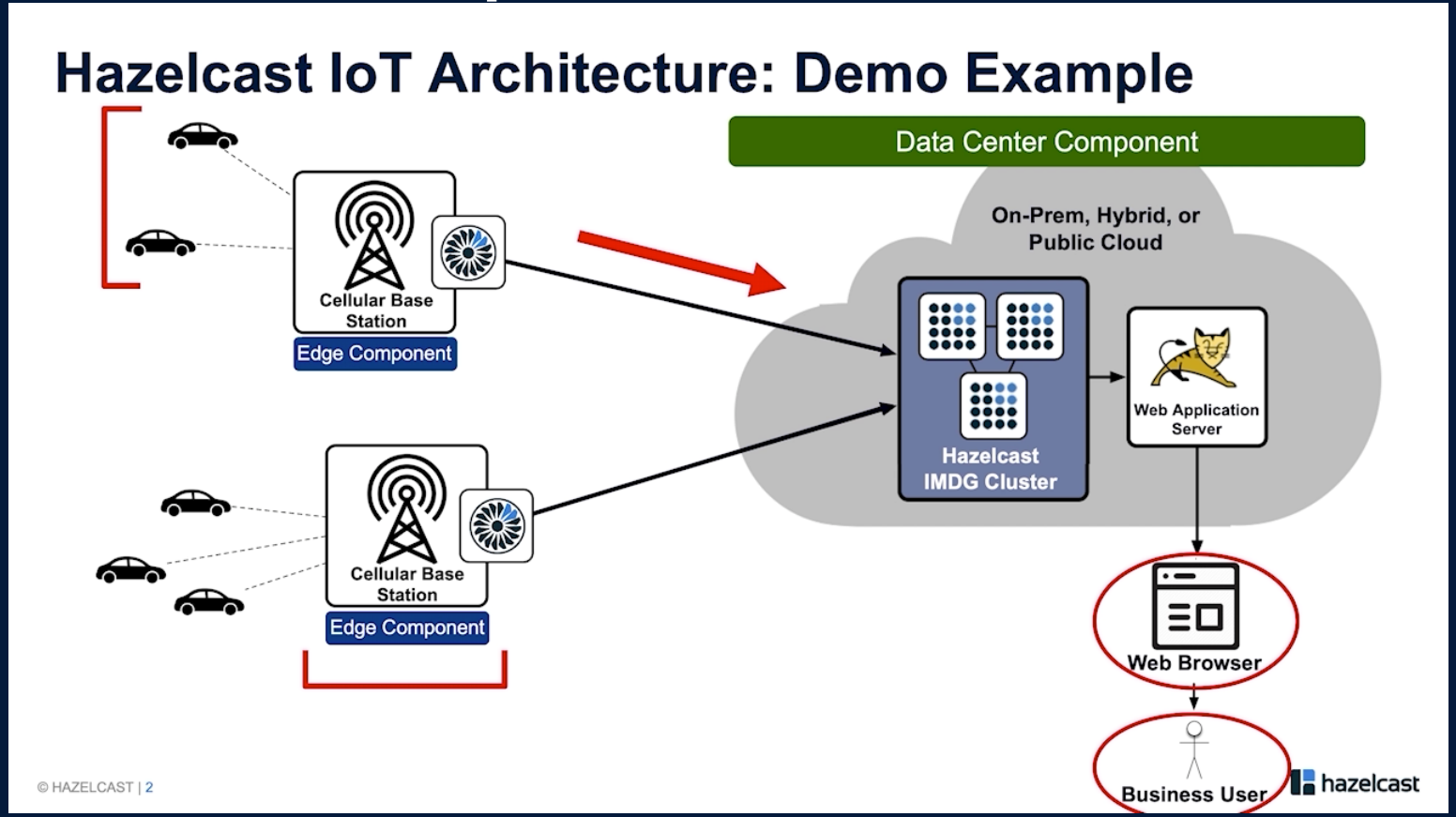
Scale Independently



Demo Video Excerpt



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Thank You