



# Hybrid Cloud Solutions for Financial Services

## THE ZAYO CLOUD DIFFERENCE

Zayo's high-performance connectivity, secure colocation and flexible cloud infrastructure can integrate with existing solutions to build a complete and optimized solution for growth within the financial ecosystem.



### SECURE

Access critical customer data and connect to your applications in the public, private or hybrid cloud over secure and dedicated high-performance bandwidth options.



### SCALABLE

Quickly and cost effectively burst or scale to accommodate large increases in data volume for one-time events such as a spike in trading volume or to cost-effectively handle consistent growth over time.



### INTEGRATED

Easily integrate with other solutions that are running applications in the cloud to reach partners and customers operating in the broader financial ecosystem.



### LOWER FIXED COSTS

Optimize your existing cloud solutions with flexible commercial structures including FlexConnect, which allows you to pay on an as-needed basis to accommodate potential future growth without large upfront commitments.

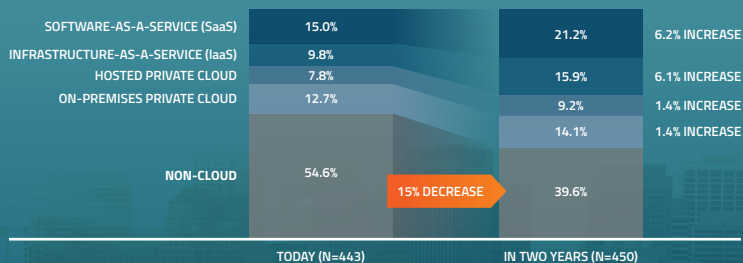
## WHAT IS ZAYO CLOUD INFRASTRUCTURE?

Facing intensifying pressures to drive down costs and increasing data privacy concerns, the finance industry is seeking infrastructure solutions that enable scalability and security to support workloads across their organizations. Further, new guidelines from the Financial Conduct Authority make it more widely accepted for financial firms to take advantage of public cloud computing solutions.

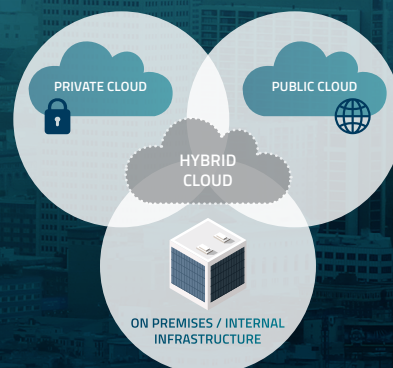
Incorporating a larger reliance on public cloud solutions, financial firms are reevaluating the allocation of different workloads between public, private and hybrid cloud solutions as part of their infrastructure strategy. Zayo's end-to-end cloud infrastructure platforms, from bare metal hosting to turn-key colocation and cloud infrastructure, enable financial firms to realize the many benefits of leveraging a hybrid cloud infrastructure.

*According to 451 Research, more than 50% of workloads will run in the cloud in the next 2 years:*

451 RESEARCH'S VOICE OF THE ENTERPRISE:  
CLOUD TRANSFORMATION, WORKLOADS AND KEY PROJECTS 2017



*Celent: financial firms will abandon private data centers and triple the amount of data they upload to the cloud in the next 3 years.*





## Cloud Infrastructure Solutions to Support Your Enterprise Workloads

*Zayo's cloud infrastructure capabilities offer solutions for managing the complexities of hybrid cloud deployments.*

### BARE METAL INFRASTRUCTURE

Access to single-tenant, physical servers for your most sensitive and data-intensive workloads. Zayo provides dedicated hardware with on-demand resources, allowing you to maintain full control of your operating system and critical data.

- Customizable to your unique workloads and hands on requirements for managing application workloads
- Cost effective Op-Ex pricing
- Increased processing power and performance
- Isolated from other users for enhanced security
- Dedicated HSM-Key Management

*Ex: Consumer agencies running analytics to determine the impact of risk for individual applicants in near-real time will leverage bare metal infrastructure to support the latency-sensitive computational algorithms that calculate results.*

### PRIVATE CLOUD

Zayo's Private Cloud Infrastructure provides a managed service for secure, high performance, fully-redundant and dedicated compute, storage and network environment to meet high security requirements and performance workloads that grow organically over time.

- Diverse IP access to the environment
- Firewall security & full threat prevention
- Virtual machines on top of dedicated physical servers
- Object-Based Storage with hybrid SAN tier storage
- Daily image-based data protection
- HIPAA and PCI DSS Compliant
- Disaster Recovery-as-a-Service

*Ex: Financial firms are leveraging private cloud solutions to run virtualized private instances of a public blockchain to leverage the benefits and added security from this new technology for storing transaction history, account balances, etc.*

### PUBLIC CLOUD

Zayo CloudLink allows you to connect securely to more than 50 public Cloud Service Providers and SaaS platforms, leveraging multi-tenant shared compute, storage and network environments that enable quick access to applications and data workloads.

- Access to more than 250 global on ramps
- Multi-transport options, including Ethernet, IP-VPN, Wavelengths or Dark Fiber
- Avoid congestion and risk associated with the public Internet
- Connect to multiple cloud providers with a single CloudLink port

*Ex: Retail banks and wealth management firms can use a private network to connect to public cloud solutions that host customer-facing, digital and mobile apps that require sensitive customer account data to be pulled in and out frequently.*

### HYBRID CLOUD

Leverages instances of both private and public cloud solutions to take advantage of rapid provisioning and usage-based billing in times of high demand. Public cloud providers can dynamically allocate compute resources while adhering to the strict data and IT security restrictions of certain financial applications in private cloud deployments.

- Eliminate unnecessary friction between your clouds
- Deliver a consistent experience and 100% availability
- Maintain cost efficiencies with pay-per-use storage or compute, as needed
- Eliminate egress fees when you use CloudLink to connect on-net

*Ex: Companies leveraging artificial intelligence for credit card fraud prevention will need access to additional resources to accommodate large spikes in payment data during peak retail seasons, while leveraging a private cloud solution to store customer PII and transaction data.*

## Cloud-Based Storage for Secure & Scalable Backup

*Zayo's Object-Based Storage allows you to backup and store your data across geographies and between multiple clouds to meet your growing data management needs.*



**Cost Effective**—No ingress or egress fees with CloudLink

**Scalable**—Manage usage with S3 compatible APIs



**Reliable**—Multi-node storage provides geographic diversity

**Secure**—Erasure coding algorithms encrypts data in motion and at rest

