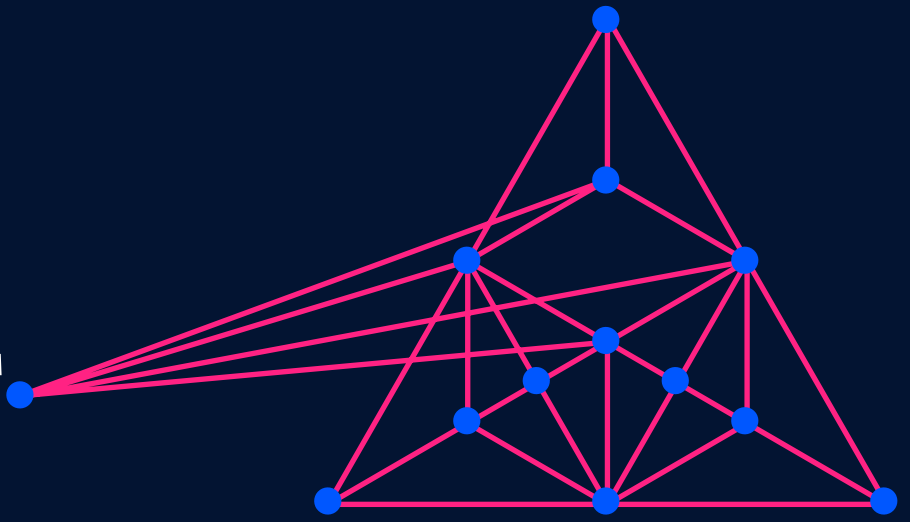


ElastiCLOUD™

BUSINESS CONTINUITY



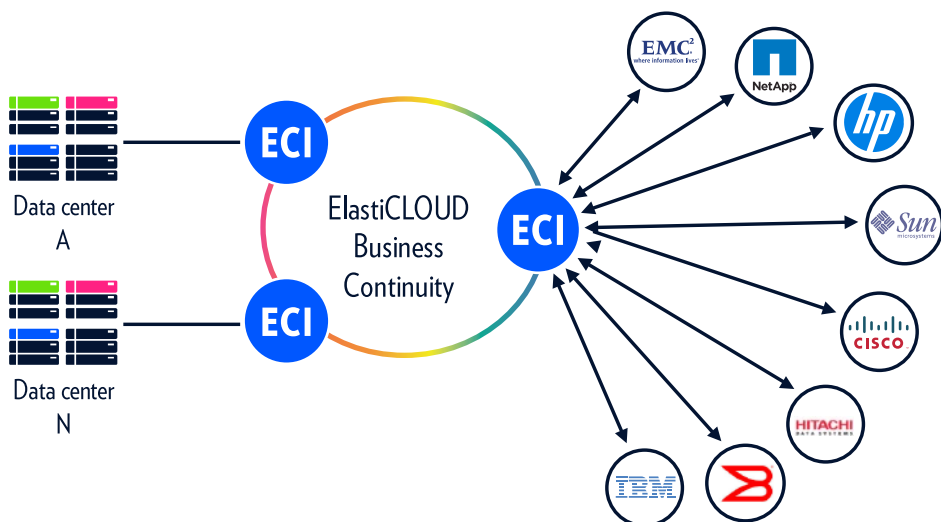
IMPROVING BUSINESS AVAILABILITY

ECI's ElastiCLOUD Business Continuity solution offers safe, secure, flexible, and ultra-low-latency cloud infrastructure connections. With Business Continuity, business operations can remain viable, despite unanticipated outages or disruptions of their cloud-based services. These include non-disruptive data migration, cloud file syncing, Disaster Recovery (DR), and many others.

In today's networks, critical functions must be disaster proof. In case of a failure, downtime and data loss must be kept to a minimum. Therefore, you need fast, low-latency, and secured connectivity. This is where ElastiCLOUD Business Continuity becomes instrumental.

ElastiCLOUD is tailored for virtualization, cloud computing, and fabric networks.

<p>Resilient SAN interface support</p>	<p>Data survivability by repeated backups</p>	<p>Continuously available data centers</p>	<p>Data security by multilayer protocol protection</p>	<p>Flexible scheduling and automation</p>
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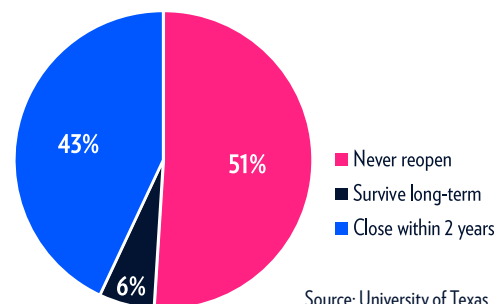


HOW MUCH DOWNTIME AND DATA LOSS CAN YOU AFFORD?

Whether your organization's data sits in a cloud or in a traditional perimeter system, it will inevitably experience downtime or data loss at some point, which adversely impacts revenue. The speed of your data recovery depends on your business continuity plan. The cost of downtime and data loss can be significant to business operations as shown.

What you can or cannot afford depends on your business. But one thing is clear. All businesses should protect and minimize downtime and data loss caused by unplanned business interruptions, including those caused by the network, cyber threats, human factors, and natural disasters.

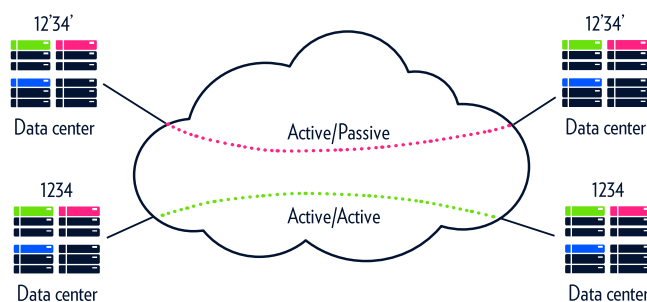
Enterprises after major data loss



BUSINESS CONTINUITY CHALLENGES

For a resilient infrastructure, availability must be built into the core. However, many customers are reluctant to invest in protective measures because these solutions can be very costly. Installing and managing hardware infrastructure and software licenses have become exponentially expensive as availability requirements increase. Even connecting organizational data can be difficult because there are various certifications and packet interface types, including Ethernet, ESCON, FICON, and Fibre Channel (FC). So, business continuity can be quite complex to implement, manage, and execute.

ElastiCLOUD Business Continuity Data replication support



Disaster recovery is also a critical aspect because when business continuity fails, disaster recovery is the safety net. Business customers have difficulty meeting specific regulatory requirements for storing and protecting data. Data replication technology can be used to create both local and remote copies, as shown.

Another need in the business continuity area is flexible solutions. Enterprises need to support:

- Bursty applications like VM migration
- Scheduled services like backups
- Service automation to execute automated maintenance procedures
- Automated programmable events in case of a failure.

A suitable business continuity solution must meet these flexible demands.

Security is another area of concern, since data is always vulnerable to hacking and other intrusive attacks. For a complete business continuity plan, security is an important part. Holistic L1 – L7 cyber security protection for both physical and virtual networks is essential and complementary. L1 encryption will certainly reduce risk, but suitable security policies are required for complete 24x7 operations at both the transport and application layers. This should be part of the business continuity plan. The challenge for business continuity security is to implement a comprehensive cyber security solution.

BUSINESS CONTINUITY SOLUTIONS

ElastiCLOUD Business Continuity lets you get back up and running quickly, should disaster strike. There is no such thing as ‘timeouts’ in business. ElastiCLOUD Business Continuity assures the operation of mission-critical applications at all times because it:

- Connects high-performance computing and storage with a variety of high-speed data SAN interfaces across scalable network bandwidth (10GbE/100GbE/400GbE/1TbE).
- Addresses increasing demands for computing and storage resources with super performance and low-latency certified InfiniBand.
- Ensures continuous data availability by data mirroring, server clustering, or sync replication.
- Reduces the cost of energy with ultra-low, energy-efficient (less than 63W per 100G), dense packaging.
- Provides flexible solutions like bandwidth-on-demand, scheduling, and automation.
- Provides security while reducing latency with AES-256 GCM Layer 1 encryption.

ElastiCLOUD Business Continuity delivers small business and larger enterprise solutions to keep data safe and operations running. This ensures their ability to get back up and running if disaster strikes. The features and benefits for ElastiCLOUD Business Continuity are summarized in the following table.





Business continuity features and benefits

	Centralized management	Manage physical and virtualized networks on a single pane of glass. Monitor and manage complex spanning multiple domains with multiple protocol layers.
	Certifications	Interoperability and certifications with major storage and switch vendors.
	Disaster recovery	Address resiliency by having both a physical and virtual disaster recovery plan that minimizes the duration of a service down. Ideally there should be no single point of failure, including geographical.
	Flexibility	Muse™ SDN applications provide flexible solutions like bandwidth-on-demand, bandwidth scheduling, and network automation.
	High availability	Ensure the highest level of availability and eliminates data loss for your business-critical applications and services. Use redundant hardware, software, and infrastructure paths to allow minimal disruption and independence for both physical and virtual networks.
	High speed access	Business continuity and connectivity with various interfaces including 1GbE-100GbE, ESCON, FICON, InfiniBand, and 1GFC to 16GFC. Faster connections are possible when/where needed.
	Enhanced security	Muse™ addresses customer concerns when moving critical business applications to the cloud with configurable communications security. It is a comprehensive security suite that includes firewalls, DDOS, DPI, anomaly detection and encryption (L1 to L3).
	Low latency	Low latency and reliable connections across diversely routed paths for financial transactions, gaming, and many other applications. Latency is critical for successful performance and user experience.

ElastiCLOUD BUSINESS CONTINUITY

Ultimately, when things fail, businesses should be capable of staying on course.

ECI's ElastiCLOUD Business Continuity allows business customers to build the best network infrastructure possible; one that delivers a superior business continuity and disaster recovery solution that keeps the business operative. Business customers with ElastiCLOUD Business Continuity will benefit from ECI's unique values for performance, cost, flexibility, and security:

PERFORMANCE	COST EFFECTIVE	FLEXIBLE	SECURE
			
<ul style="list-style-type: none">• Blazing fast 400G• Interoperability• E2E management	<ul style="list-style-type: none">• Lowest cost/bit• Highest density• Lowest power• Easy installation	<ul style="list-style-type: none">• BWoD, BW scheduling• L1 - L3 + NFV in a box• SW upgrades• Easy provisioning and scalability	<ul style="list-style-type: none">• L1 - L3 Encryption• Cyber security suite

Contact us to find out how the ElastiCLOUD Business Continuity can help protect your business



ABOUT ECI

ECI is a global provider of ELASTIC network solutions to CSPs, utilities as well as data center operators. Along with its long-standing, industry-proven packet-optical transport, ECI offers a variety of SDN/NFV applications, end-to-end network management, a comprehensive cyber security solution, and a range of professional services. ECI's ELASTIC solutions ensure open, future-proof, and secure communications. With ECI, customers have the luxury of choosing a network that can be tailor-made to their needs today – while being flexible enough to evolve with the changing needs of tomorrow. For more information, visit us at www.ecitele.com