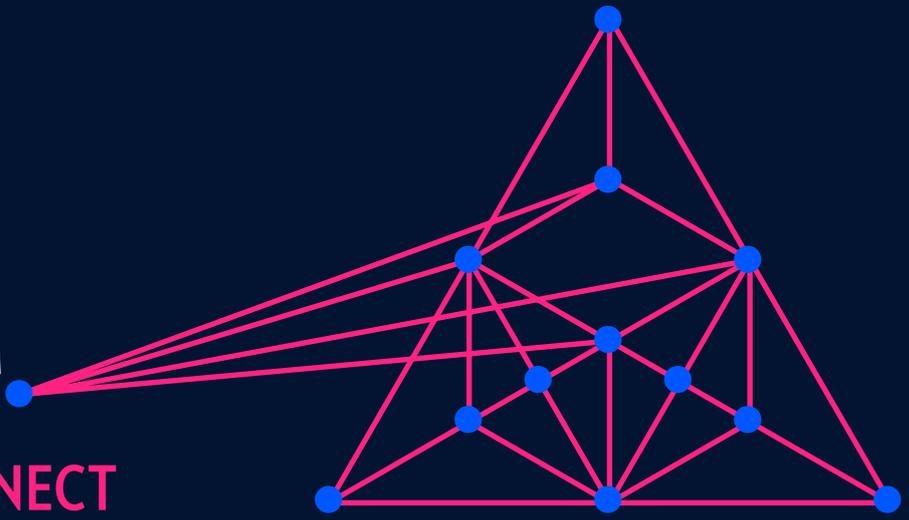


ElastiCLOUD™

DYNAMIC CLOUD CONNECT



BRINGING FLEXIBILITY TO CLOUD CONNECTIVITY

ECI's ElastiCLOUD Dynamic Cloud Connect offers business customers dynamic services like Bandwidth-on-Demand (BWoD), bandwidth scheduling, and bandwidth automation to support their cloud applications and workloads. Dynamic Cloud Connect is based on real-time control of network resources that enables flexible connectivity, better network resource utilization, improved uptime, responsiveness, and availability.

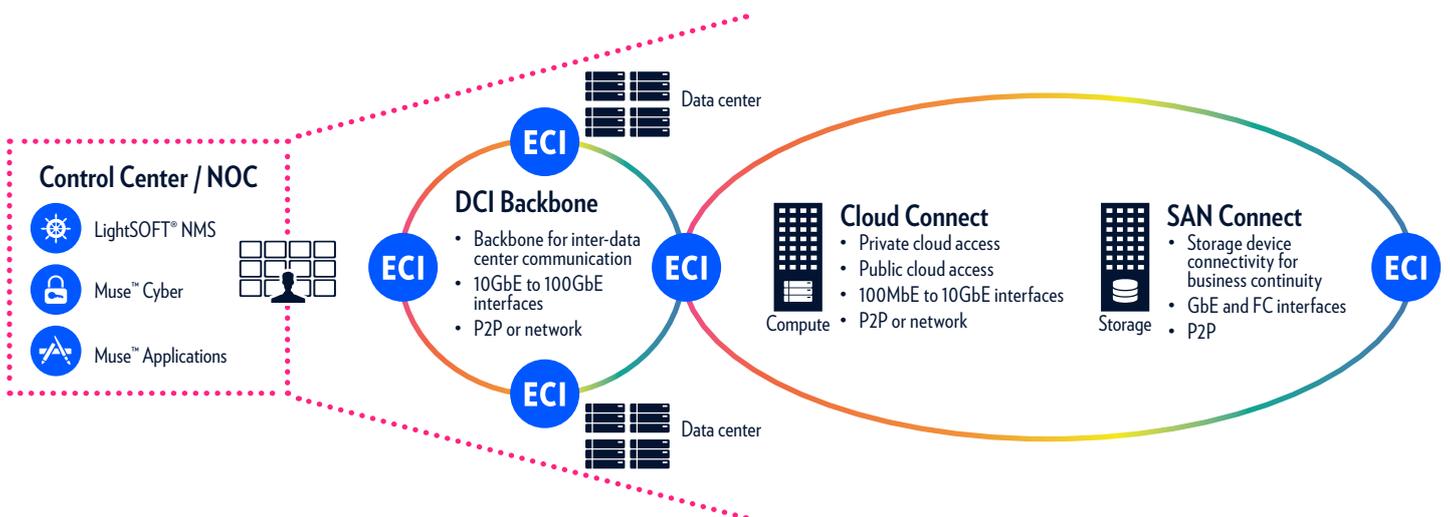
As business customers migrate to the cloud to benefit from its flexibility and scalability, cloud networking and cloud connectivity have become much more critical and complex. Consequently, balancing the data center and cloud workload bandwidth requirements with the business network traffic demand has become even more essential. By matching network flexibility with cloud flexibility, business customers can enjoy the full promise of cloud computing.

Real-time BWoD
pay per use

Bandwidth scheduling
'Set it and forget it'

Event-driven automation
for network programming

Effective utilization
reclaim key resources

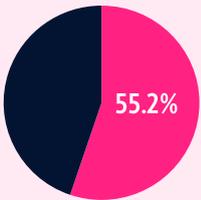


CLOUD FLEXIBILITY

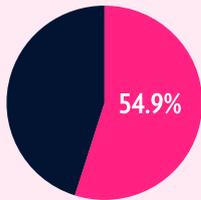
Cloud adoption is already used by nearly 100% of all enterprises and is rapidly expanding to Small and Medium Businesses (SMBs). The main driver for migration to public, private, and hybrid clouds is flexibility – including business agility, scalability, mobility, and innovation. Cloud flexibility for business delivers new levels of value for service offerings.

TOP CLOUD ADOPTION DRIVERS

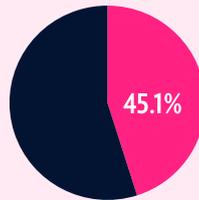
BUSINESS AGILITY



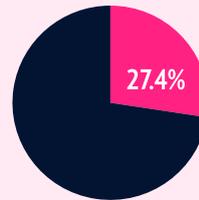
SCALABILITY



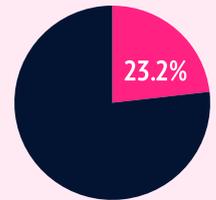
COST



MOBILITY



INNOVATION

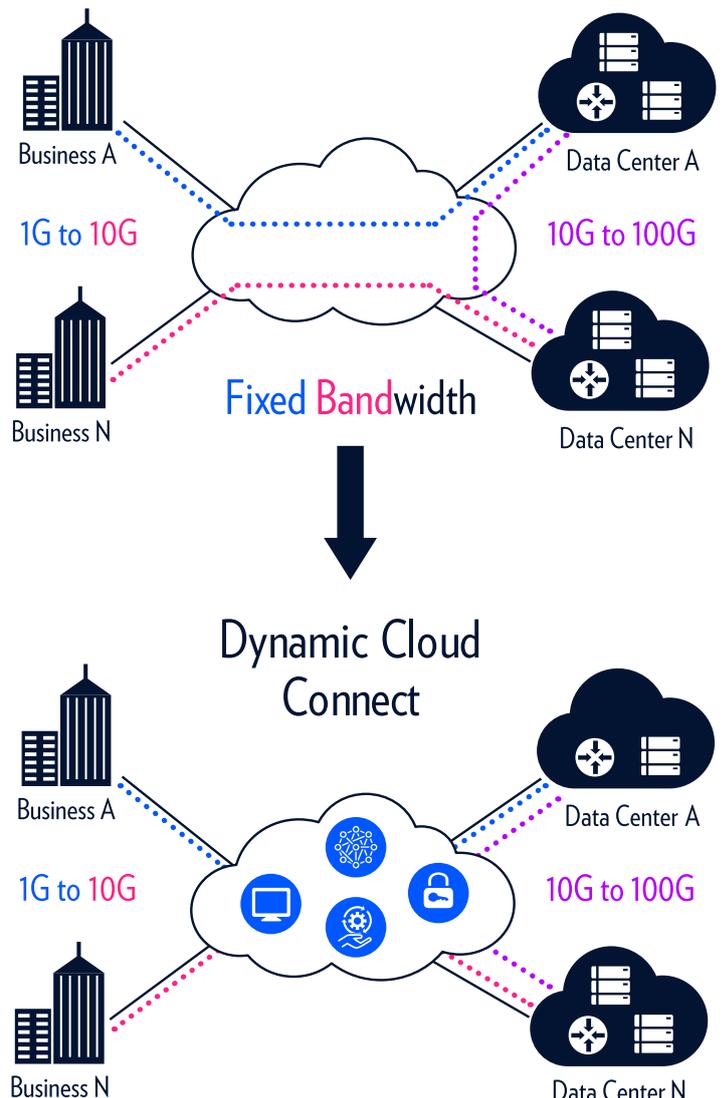


Source Gartner.com

CLOUD CONNECTIVITY CHALLENGES

Cloud connectivity has become even more critical, since businesses are now executing routine task workloads in the cloud. But, current networks were designed for fixed-rate services. Such services are typically connected to the network via fixed-bandwidth lines with an established service rate and availability index, contracted from a service provider. Cloud applications, like Business to Data-Center applications (1G – 10G) and Data-Center to Data-Center applications (10G to 100G) connect to the network, as shown in the following figure. Since an evolution from on- premise computing to the cloud is the new norm, cloud workload behavior can be quite complex. Therefore, it will inevitably change the path by which the workload travels and the bandwidth it requires. This will be challenging and expensive to support with the fixed bandwidth model, and certainly does not support scaling.

The sheer volume of cloud data adds new challenges and complexities to the network. Fixed network connections are no longer sufficient to enable the flexibility and scalability needed to match cloud workloads. The difficulty is how to make network connections more dynamic and flexible to match the cloud workload model.



NEW SERVICE OPPORTUNITIES

With ECI's ElastiCLOUD Dynamic Cloud Connect, a cloud service goes far beyond network connection. For cloud workloads, Dynamic Cloud Connect is a game changer, because it:

- Saves time while optimizing valuable network resources by adding, deleting, or reconfiguring high-speed (1GbE to 100GbE) cloud connections in minutes (not weeks or months).
- Creates temporary services where you pay only for the bandwidth used, rather than having to pay for fixed-rate services, even when the service is not in use.
- Supports event-driven automation to automatically define policies and tasks when changes occur in the infrastructure.
- Secures high-speed connections using Layer 1 optical encryption with advanced AES-256-GCM encryption.
- Protects Ethernet and IP layers with Layers 2 and 3 encryption services.
- Adds a variety of other security applications, including Network Anomaly Detection (NAD), Deep Packet Inspection (DPI), Firewall (FW), Distributed Denial of Service (DDOS), and many more – using LightSEC.

ECI's Dynamic Cloud Connect brings the agility of cloud applications and workloads to the WAN without wasting valuable resources. With Dynamic Cloud Connect business customers can match cloud speed and flexibility with cloud connectivity. The features and benefits for Dynamic Cloud Connect are summarized in the following table.

Dynamic Cloud Connect features and benefits

 Customer Access	Customizes centralized management and control using a RESTful API to dynamically create, modify, program, and delete network connections and bandwidth.
 Muse™ Network Manager	Automates action flows for network configuration, triggered either manually or by a network event. With no programming skills required, this GUI-based tool enables the definition of event-triggered actions implemented through policy-driven automation, like VM migration.
 Muse™ Service Manager	Eliminates complexity by automatically creating and provisioning 1G to 100G temporary high bandwidth-on-demand connections for burst workloads or backup. Create new services with simple templates, just by specifying endpoints, bandwidth, profile (QoS template), and duration. Allows calendar-based service scheduling with the most efficient use of available bandwidth. Schedule one-time events, like a pay-per-view with the bandwidth and time needed.
 Muse™ Cyber Security Suite	Addresses customer concerns when migrating their critical business applications to the cloud with configurable communications security. Select from a security suite that includes firewalls, DDOS, DPI, anomaly detection, and encryption (L1 to L3).

DYNAMIC CLOUD CONNECT

As businesses continue to shift to the cloud, connections for cloud workloads become increasingly more important. ECI's ElastiCLOUD Dynamic Cloud Connect enables dynamic reconfiguration of cloud services in minutes, while providing a pay-per-use model for these services. Cloud service connections can be easily scheduled and terminated whenever required - just paying for what is used. Customers can manage loosely coupled services distributed across multiple public, private, or hybrid clouds with event-driven automation, reconfiguring the network automatically. Dynamic Cloud Connect provides safe, secure, and complete network visibility of business customer cloud network services. As Dynamic Cloud Connect matches network flexibility with cloud flexibility, your business customers will enjoy the full promise of the cloud.

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 Dynamic Cloud Connect can help your business grow



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