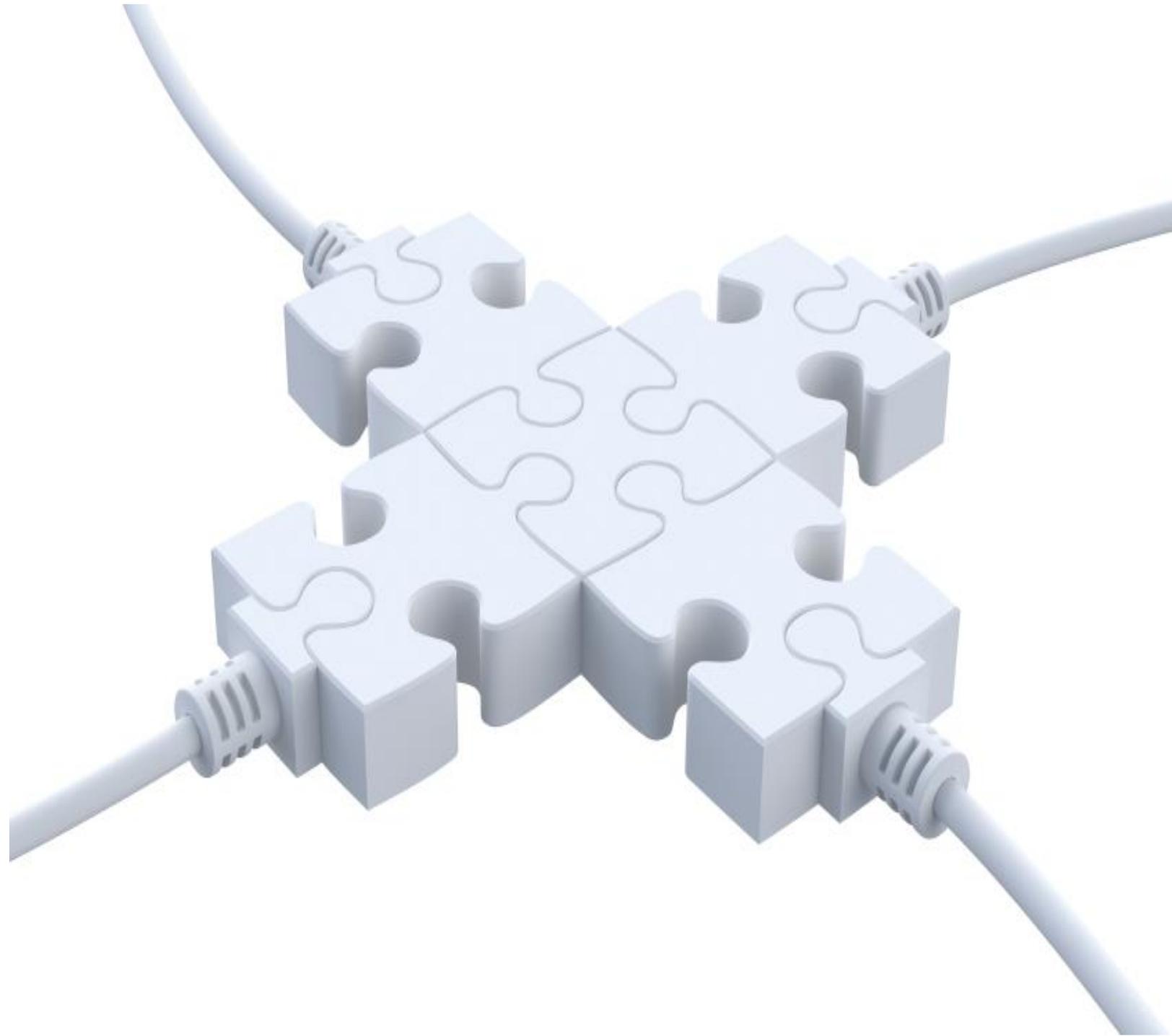OVERVIEW
CLOUDINX (PTY) LTD

www.cloudinx.exchange

A Different Approach to Your Network Strategy
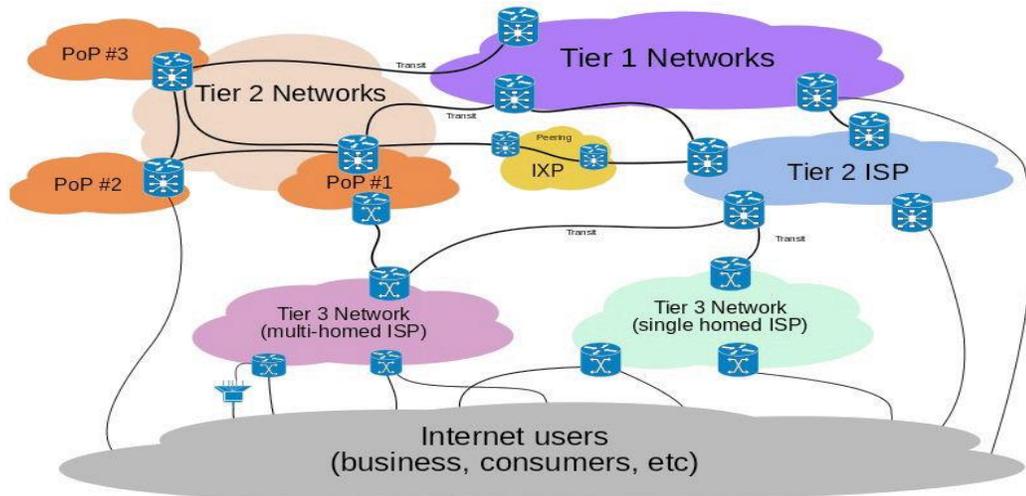
INX

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Network connectivity is a fundamental requirement for realizing the benefits of cloud computing. Today, enterprise CIOs are demanding fast dedicated, secure, connectivity from leading cloud service providers (CSPs) for their mission-critical cloud applications and services.

The CloudINX ubiquitous network, covers 300+ markets in over 100 countries, connects any location in the world to any application in the cloud. Our 250+ PoPs, are located in the top global 56 major metropolitan areas, puts your business in close proximity to leading providers such as IBM Cloud, Amazon Web Services and Microsoft Azure.

Together with partners CloudINX provides your organization direct, private and secure access to thousands of CSPs by simply adding a node to your existing network. Combined with our industry-leading SLAs, guarantying high-performance delivery of your mission-critical applications and services.

Supported locally. Connected globally

CloudINX Delivers:

- ✓ Secure, high-performance connectivity
- ✓ On-demand, automated connectivity to clouds
- ✓ End-to-end application and service performance
- ✓ Burstable bandwidth
- ✓ One port, many virtual circuits
- ✓ Global availability
- ✓ Guaranteed SLAs
- ✓ Direct access to thousands of CSPs
- ✓ Internet services on the same connection

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About CloudINX

CloudINX uses a global Tier 1 IP network, connects to any location in the world and with any application in the cloud. Our cloud networking services provides simple solutions for multinational clients to reach the cloud. Our clients trust us to deliver secure solutions with simplicity, speed and agility. Our Data Center consulting service offers guidance every step of the way by performing detailed business and technical analysis and providing recommendations to optimize network and application performance.

CloudINX Strategy

Simplicity, flexibility, reliability, scalability and security

- ✓ Provide ubiquitous network connectivity to any location in the world and with any application in the cloud
- ✓ Expand cloud networking services to multinational clients
- ✓ Deliver outstanding client experience by living our core values

CloudINX Core Values

- ✓ **Simplicity**: We are easy to work with
- ✓ **Speed**: We are fast and responsive
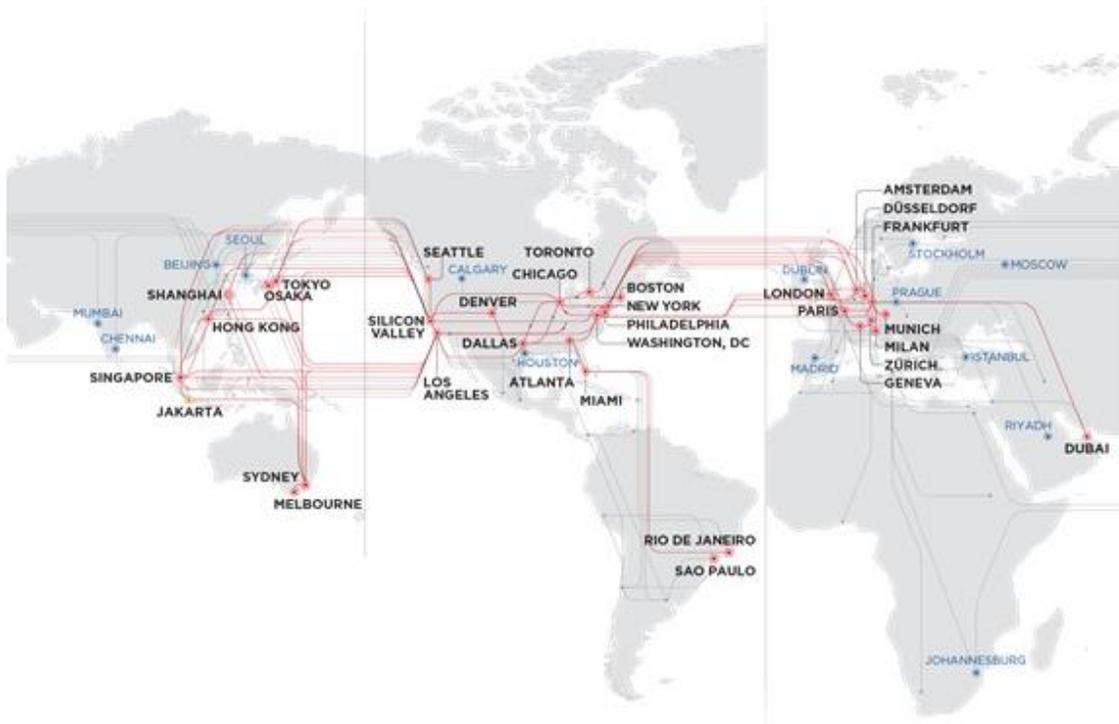- ✓ **Agility**: We strive to say 'yes'

Why CLOUDINX?

Providing tailored network based, cloud connected solutions that boost businesses, efficiencies, productivity and cost-effectiveness. A simple connected solution, global data centers. standard architecture, stringent security and a range of cloud services to optimize the information and communications technology (ICT) environments for our enterprise clients. Our diversity offers redundancy and business continuity for customers high data demand ensuring a 'self-healing' ring that minimizes network outages.

CloudINX (Pty) Ltd is an independent network exchange point that provides customers with a unique range of premiere innovative on demand public, private and hybrid cloud networking solutions, linking clients across 7 continents. Our Global NOCs provide highly reliable, scalable and secure real time monitoring of cloud networking services. We maintain extensive relationships with major international transit carriers, tier 1 upstream and access providers, and OEM equipment manufactures. We continuously monitor and upgrade our core networks, with careful capacity planning ensuring limited bottlenecks and sufficient on demand solutions to handle sudden, unpredictable requirements. CloudINX (CSP) One cloud provider that extends your network reach globally. Ensuring secure and private data center solutions with burstable capabilities, seamlessly interconnection between LANs and WANs, a lower OPEX, with higher scalability.

CloudINX offers managed solutions and cloud services that maximize business productivity reducing total cost of ownership. Local partnerships enable CloudINX to connect your company to other cloud solution providers.

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Reach Customers around the World

Expanding addressable market, ensuring consistent performance for global customers. Connect to partners and customers across geographies and ecosystems to deliver the efficient, reliable and high- performance connections end users demand.

- ✓ **Asia**
  8 metros
  250+ available networks
- ✓ **Americas**
  15 metros
  450+ available networks
- ✓ **EMEA**
  10 Metros
  375+ available networks

Thanks to advanced multipoint and VPLS functionality, and technology a single Ethernet port at each location is all you need to directly connect sites anywhere in the world, sharing information between the networks is as easily if over your local network.
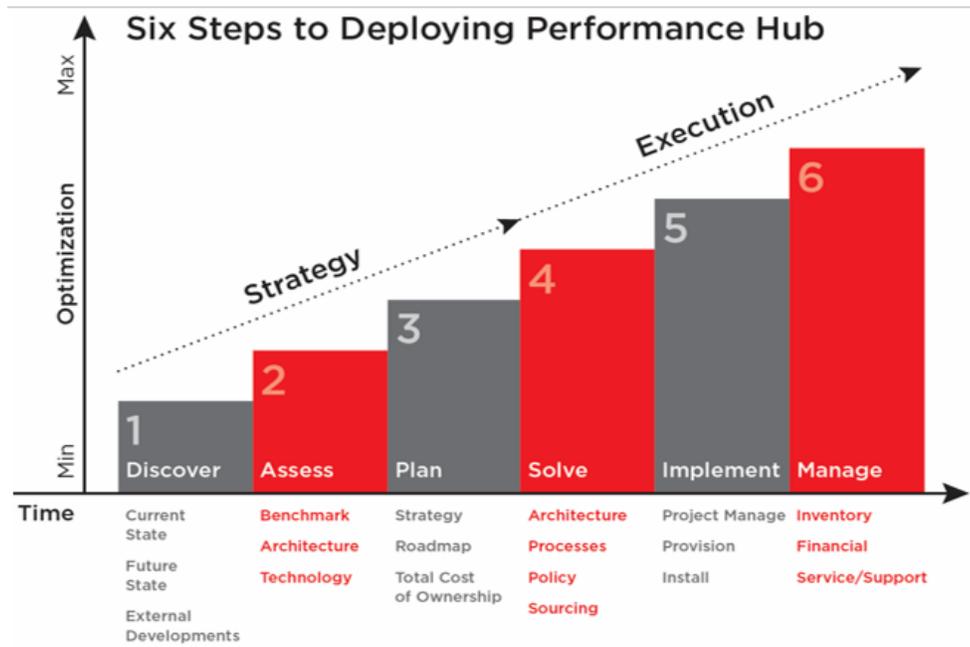
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Our global Ethernet service gives you the security and service quality of a Layer 2 and 3 point-to-point or point-to-multipoint private network, combined with the simplicity and flexibility of simplified Ethernet technology. IT architecture that is built upon a global tier1 distributed switched Ethernet mesh fabric, where all services are automatically protected with the ability to specify pre-configured alternate and redundant routes to minimize the impact of any network disruption.
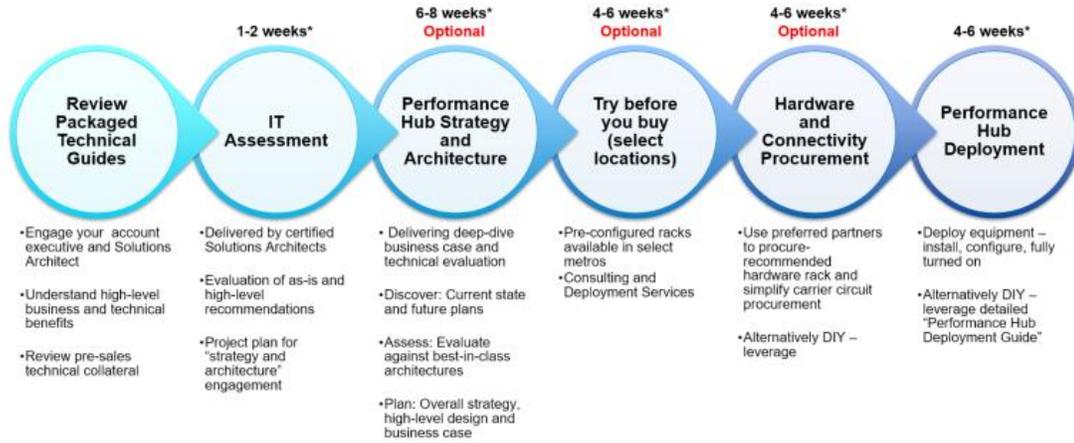
CloudINX will assist you every step of the way

Six Steps to Deploying Performance Hub

Customer Engagement Flow – Customer Lens

1-2 weeks*	6-8 weeks* Optional	4-6 weeks* Optional	4-6 weeks* Optional	4-6 weeks*

Review Packaged Technical Guides → **IT Assessment** → **Performance Hub Strategy and Architecture** → **Try before you buy (select locations)** → **Hardware and Connectivity Procurement** → **Performance Hub Deployment**

Review Packaged Technical Guides
- Engage your account executive and Solutions Architect
- Understand high-level business and technical benefits
- Review pre-sales technical collateral

IT Assessment
- Delivered by certified Solutions Architects
- Evaluation of as-is and high-level recommendations
- Project plan for "strategy and architecture" engagement

Performance Hub Strategy and Architecture
- Delivering deep-dive business case and technical evaluation
- Discover: Current state and future plans
- Assess: Evaluate against best-in-class architectures
- Plan: Overall strategy, high-level design and business case

Try before you buy (select locations)
- Pre-configured racks available in select metros
- Consulting and Deployment Services

Hardware and Connectivity Procurement
- Use preferred partners to procure-recommended hardware rack and simplify carrier circuit procurement
- Alternatively DIY – leverage

Performance Hub Deployment
- Deploy equipment – install, configure, fully turned on
- Alternatively DIY – leverage detailed "Performance Hub Deployment Guide"

* Average time periods

Discover: Current state of network, applications and cloud usage; future state of applications and cloud direction

Assess: Review the current environment to evaluate against other best-in-class architectures and possible designs

Plan: The overall strategy, a high-level design, including the locations of Performance Hubs and a business case outlining total cost of ownership for transforming your network to improve application and network performance

Solutions

CloudINX Ethernet Cloud Services

High-performance, scalable and secure IP/MPLS infrastructures providing private, public and hybrid network solutions to any location in the world via one cloud network. Simply Connect through a global Ethernet network that provides aggregate bandwidth and burstable Layer 2 and 3 solutions to meet the growing needs of multinational enterprises, carriers, service providers and content delivery networks regardless of location.

Ether Cloud services are available in 4 configurations:

Point-to-Point (EPL): Dedicated bandwidth between two points, A-B protected by a network's resilient ring design.

Point-to-Multipoint (EVPL): Point-to-Multipoint allows a company to extend their Ethernet network infrastructure to their partners and customers, while keeping individual partner network segments discreet.

Multipoint-to-Multipoint (VPLS): Connecting multiple offices or data center locations together, VPLS transparently and seamlessly extends your Layer 2 LAN to points around anywhere across the country or around the world.

MPLS IP-VPN: Fully meshed private IP routing between all your offices regardless of branch location with the security of a virtual private network and the reliability of MPLS transport data services.

Why Choose Ether Cloud solutions from CloudINX

Our solutions bring simplicity resilient reliable, flexible and secure networking solutions CloudINX has partnered with diverse global partners to aggregate and simplify global networking, with redundant fiber paths between 250+ international POP locations. MPLS traffic engineering services that guarantees the highest standard of services with the most direct, lowest latency paths possible with dynamic automatic network rerouting technology to minimize the impact of any network disruptions. Enterprises demands a lot from a network. It must be robust, secure, distributed and able to meet on premise and a variety of cloud application performance needs. We extend nodes of an enterprise's network into any of the global partner data centers. It enables an enterprise to securely and reliably connect to the network and provides a choice of connecting to any cloud providers. The deployment in the data centers includes off-the-shelf networking and other infrastructure equipment.
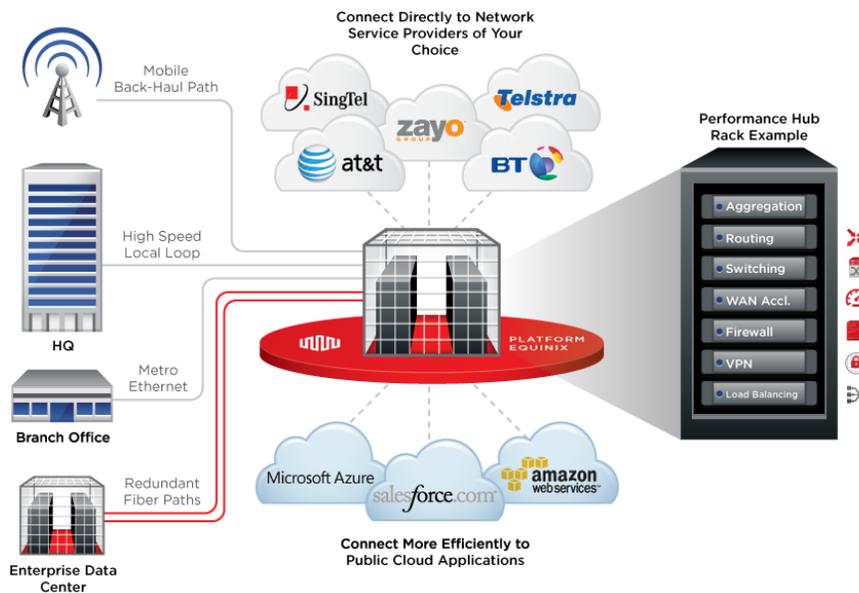
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Benefits

Move to Cloud: Enables easy private cloud deployment, secure and direct connectivity to public clouds, laying the foundation of a hybrid cloud.

Efficient Network: Simplifies the network and provides access to the cloud and the Internet without hair pinning traffic only via select locations.

Improves Quality of Experience (QoE): Optimizes network and application QoE by offering higher throughput and low latency, and deploying close to end-users.

Provider Choices: Provides connectivity to 975+ networks, 450 cloud providers and 600 IT service providers.

Higher Manageability: Provides the agility, security and visibility needed to take control of the network.

What is Performance Hub?

- ✓ A solution framework to help you address some of the key business issues you may be facing
- ✓ An extension of your existing enterprise network
- ✓ Secure and reliable connectivity to network and cloud providers

What are the benefits?

- ✓ Performance – faster network and applications
- ✓ Network – simplify reduce complexity
- ✓ Cloud-ready – directly connect to popular public clouds

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Flexible Bandwidth Options | Pay As You Go options

CloudINX offers clients a variety of billing options too, including flat rate, tiered and burstable services for true on-demand network services, ideal for clients who cannot predict their monthly bandwidth needs. Alternatively, a Committed Data Rate (CDR) can be shared across multiple ports in multiple locations ensuring a cost effective relationship between actual bandwidth usage and reserved capacity.

Guaranteed Performance

With a combination of state of the art tier 2/3 Data centers, and tiered upstream providers, we offer guaranteed performance of the data across the network with stringent Service Level Agreements (SLAs). Our capacity planning team closely monitors all of our core backbone, determining future bandwidth and network infrastructure requirements well in advance of any congestion issues.

Real Time Reporting

Clients have online access to monitor their network performance and track real-time statistics through a propriety online private client portal.

Unsurpassed Global Reach

CloudINX aggregates an extensive global network infrastructure, supplemented with long-term relationships with partners around the world. This allows us to design and implement a custom end-to-end seamless Ethernet network.

Directly Connect to Leading Cloud Providers

CloudINX is located in the top data centers of the world. The same data centers where the leading cloud providers, such as IBM Cloud, Amazon Web Services (AWS), Microsoft Azure and Google Cloud Platform host their applications therefore CloudINX can provide quick, easy access for direct, private and secure connectivity ensuring the highest possible performance for your mission-critical applications and services.

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Cloud Internet Services

High-speed, reliable Internet access for enterprises and carriers from the core of the network. With access to the fastest and most reliable Internet experience available anywhere. Whether you are an enterprise, content provider, carrier or cloud service provider, our simple network solutions provide the scalability and performance that organizations need to connect to the cloud.

- Dedicated Internet Access (DIA)
- IP Transit
- Broadband Internet Service

Why Choose Internet Services from CloudINX

We partner with the world's Top Internet and carrier neutral data center providers with more than 140,000 routes, we can directly connect you to one third of the global Internet prefixes directly ensuring the fastest and most reliable delivery. With partners that consistently ranked among the top IP networks in the world, leveraging their relationships to every major carrier and access provider.

IPv6 from the Start

all our partners are industry leaders in the deployment and support of IPv6 networking. Unlike other networks who deliver extremely limited IPv6 services using IPv6-over-IPv4 tunneling and overlay networks, partners that operates a 100% native dual stack (IPv4 and IPv6) network built on our carrier class routing and optical infrastructure. This allows us to deliver line-rate IPv6 performance to every PoP and to provide IPv6 service seamlessly alongside existing IPv4 services. IPv6 service is available for all our existing IPv4 clients at no additional charge.

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Dedicated Internet Access

Dedicated Internet Access (DIA) for enterprises that need high bandwidth and high speed connectivity to the Internet. Whether you are looking to connect remote locations, access the Internet and cloud networking services, or improve day-to-day collaboration, we provide high-performance direct Internet connections with proven reliability and performance.

WORLDWIDE COVERAGE THROUGH THE LEADING TIER 1 PROVIDER

Our dedicated internet access can connect your enterprise to any location on the globe across all seven continents. From North America to Europe, Africa and Asia, with fast, reliable internet services to any corporate location using any access technology.

One Solution for Global Connectivity

CloudINX A single source provider integrating DIA to your existing private network giving you fast, direct Internet access from any device, any time. Anywhere further simplify your network by combining DIA service with a managed router giving your enterprise a one solution approach for connectivity aggregation and provisioning.

Flexible and Scalable Solution

We design a flexible DIA tailored solution for your business requirements. As you add more employees, expand locations or have a surge in data usage, we can easily adjust your bandwidth usage, guaranteeing you consistent and reliable performance every time.

Broadband Internet Service from the cloud

Whether you need to connect multiple locations anywhere in the world together or provide remote employees with access to the Internet, through key global partners we provide high-performance Internet service with guaranteed reliability and performance. Broadband Internet is ideal for small to mid-size businesses such as franchise or SME owners that need to connect various sites together or companies staffed with remote employees that need Internet access. With a variety of available speed options, configured broadband services that delivers top performance connectivity whenever or wherever you need it.

One Global Solution to connect your Business Anywhere
CloudINX simplifies your business operations by providing one bill, one Account Executive and one Network Operations Center to service your account. CloudINX offers a variety of broadband access speeds and technologies giving your business the flexibility to find a solution that fits your budget.

Managed Secure Access
Ubiquitous access anytime, anywhere from any device

Meeting the requirements for allowing remote employees, multiple business partners, and client access to corporate network applications, BYOD solutions such as email, web server, and file sharing can be a daunting challenge. Let our expert staff provide you with a turnkey solution for keeping your business running efficiently and productivity.

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Maximum Security of your Data

CloudINX Managed Secure Access is designed to meet the increasing demand from enterprises for reliable and secure communications. The service extends your network reach, allowing trusted users to establish a secure data connection from any browser or device using Transport Layer Security (TLS) to encrypt all traffic, thereby protecting your network from unauthorized users.

Managed Solution from Industry Leading Experts

Industry certified leading design teams will design, procure, implement, manage and monitor the service minimizing your support costs and reducing total cost of ownership. With more than 15 years of experience, and global expert partners we are more than confident to assist you in your data solutions.

Predictable Monthly Cost

Managed Secure Access, there is no software to install or maintain. Users only need an Internet connection and their credentials to access any approved resource on the corporate LAN. You determine the access policies and we will do the rest.

Superior Client Experience

Certified dedicated on site data center operations teams proactively monitors and supports the data center operations. Ensuring your business stays productive and efficient all day, every day. Monitoring HVAC, Perimeter protection, biometric access, and high powered generators to keep your data online and you connected.

Managed CPE

We manage your VPN so you don't have to, allowing you to focus on what really matters - your business. Managing your company's MPLS- VPN requires the right expertise and the right resources. We provide enterprises with a turnkey solution for complete end-to-end management of your network from premise through the core. Leave it to our team of experts to design, implement, and managed a network solution that provides the security and reliability you need from a private network while maximizing performance and efficiency.

Improve Productivity

Your IT staff no longer has the burden to manage your network. Instead they can focus on other critical IT needs of your enterprise. Our team of engineering experts will assist with the procurement, installation and configuration your network's equipment. Once installed, your equipment will be proactively monitored and managed should issues arise.

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![INX logo]

Minimize Expenses and outsource

Outsourcing the management and monitoring of your network allows you to reduce both capital and operating expenses by eliminating the purchase of costly equipment and reducing the need for in-house network management staff. Managing network performance is increasingly complex as enterprises demand more and more bandwidth to accommodate the technological changes underway. By outsourcing your network management you have peace of mind knowing your network performance and reliability is continuously monitored and managed for optional performance.

CSP Unified Provider for Network Services

When you combine managed network services with Ethernet Cloud and Internet Services, you have a cost effective, end-to-end solution for ensuring optimal network performance including equipment management. Solutions that provides 24/7 support for monitoring, managing and troubleshooting your equipment, guaranteeing ultimate performance and availability.

Cloud Hosting

Success in the digital economy requires highly reliable and secure colocation with the ability to easily and efficiently connect to customers, vendors and partners on a global scale. We provide reliable, secure, carrier-neutral connectivity to power a vibrant ecosystem of buyers and sellers of services that accelerate business growth, increase agility and support long-term scalability. With the most networks and interconnection options, we will help you get connected, stay connected, and expand your connections, you can directly connect to a dynamic ecosystem of business partners, networks, and carriers. Leverage direct connections to corporate WAN providers, as well as enterprise, cloud, and managed service providers.

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CloudINX.Exchange

The Cloud Exchange is an advanced interconnection solution that enables seamless, on-demand and direct access for cloud adoption to multiple clouds and multiple networks across the globe.

Extend your market reach and increase the privacy, performance and reliability of your cloud service connections, while simplifying interactions with cloud service providers.

Enterprise

- o **Increase Speed to Multi-Cloud** – Automated, near-real time provisioning to multiple cloud service providers
- o **Improve Performance** – Improve cloud application performance by connecting directly to cloud service providers
- o **Increase Security** – Build a more secure application environment by deploying applications within your data center's local area network
- o **Reduce Cost** – Lower your total cost of private network connectivity to cloud service providers

Network Service Providers

- o **Create Customer Value** – Aggregate cloud service providers for private cloud connectivity, increasing the value of private network services
- o **Simplify Operations** – Offer a streamlined network interconnection facility, saving capital expense
- o **Reduce Complexity** – Establish standardized business processes, saving operational expense
- o **Improve Time to Market** – Speed time to market with easily accessible cloud services, reducing development
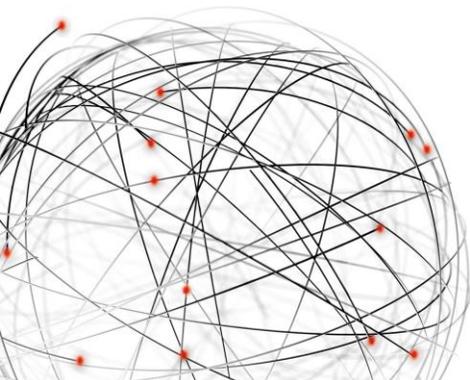
Cloud Service Providers

- o **Expand Market Reach** – Aggregate private network service providers, increasing enterprise market reach
- o **Automate Provisioning** – Offer streamlined, automated network interconnection, saving capital expense
- o **Reduce Complexity** – Establish standardized business processes, saving operational expense

Whether you are a financial services company, a cloud or content provider, or an established enterprise, a cross connect inside our data centers ensures high-performance, network reliability, redundancy, and low-latency.

The CloudINX Exchange is a platform for mobile data providers to efficiently exchange roaming traffic with multiple other providers through a single connection.

CloudINX Metro Connect
The Metro Connect solution provides network connectivity across multiple data centers in a metropolitan area, giving you direct access to more than networks and enterprises and cloud, digital content, and financial companies.

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