National Internet Exchange (IX)

CyrusOne

Delivering Robust, National Connectivity

The CyrusOne National Internet Exchange (IX) delivers interconnection across states and between metro-enabled sites within the CyrusOne facility footprint and beyond. The platform enables high-performance, low-cost data transfer and accessibility for customers. The CyrusOne National IX unites 12 state-of-the-art facilities in Dallas, Houston, Austin, San Antonio, and Phoenix, with other facilities coming online soon.

CyrusOne customers can now "mix-and-match" solutions to unite top-tier data centers within and across metro areas for both production and disaster recovery (DR) needs. The CyrusOne National IX provides customers freedom of choice when building out capacity to transport large amounts of data—choose CyrusOne's bandwidth marketplace, its Internet Exchange platform, or cross-connects to cloud services.

CyrusOne remains ahead of the multi-site deployment curve by continuously anticipating needs and changes while aggressively building and integrating data centers throughout the U.S. Each CyrusOne facility offers the following benefits:

Abundant choice - Hundreds of available providers, delivering superior control, flexibility, and cost management

Scalable flexibility - Choice of either dedicated MPLS port arrays or "pay as you eat" scalability

Wide range of peering options - Infinite scalability for peering protocols via BGP or 802.1Q, including buy/sell peering exchanges

Low Cost IX ports – Available within all on-net CyrusOne facilities

Robust colocation capabilities - Massively Modular® architectures enables unprecedented scalable colocation, agnostic of traditional space and power constraints

Customers can connect between CyrusOne facilities region-to-region at greatly reduced wholesale cost via Infinera DTN optical platforms, at Terabit class capacity. This capability can also provide cross-connection with any on-net third party facility within metro regions for a minimal charge.

Talk to your CyrusOne Sales rep today about CyrusOne's National IX Internet Exchange
Call Today! 1 (866) 297-8766

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HOW DOES CYRUSONE NATIONAL IX INTERNET EXCHANGE WORK?

Customers enjoy multiple ways of achieving multipoint data performance. Using ports on our redundant Brocade MLXe 16 and 32 switch platforms with VPLS failover, customers can reliably connect from a CyrusOne on-net facility to another CyrusOne on-net location within the state's major metro areas.

Using Border Gateway Protocol (BGP) combined with 802.1 Q VLAN tagging, these dedicated switches allow any customer group or party within a facility to connect with multiple parties both within and outside of the facility. This BGP-driven process is known as "peering" and is the core operational protocol by which global enterprises unite and optimize autonomous networks via the Internet from multiple physical locations worldwide.

Interconnection can also be achieved between a customer's In-house off-premise data center and a CyrusOne facility, via in-house deployment of Brocade and/or Infinera hardware.

CYRUSONE NATIONAL IX

REDUCE SERVICE COSTS
Reduced-cost CyrusOne National IX Internet Exchange ports at all on-net CyrusOne facilities and third party carrier hotels.

OBTAIN BEST IN CLASS RELIABILITY
Redundant Brocade MLXe platforms with VPLS failover and up to 768 10GigE ports per chassis for secure data transfer.

ENJOY TOP TIER SPEED AND PERFORMANCE
Infinera DTN and DTNx optical platforms with rapidly scalable point-to-point transport at up to 2.5 Terabits at GigE, 10 GigE and 100 GigE speeds.

ACCESS TO ALL RELEVANT CARRIER HOTELS
Redundant dark fiber rings in Dallas and Houston metro facilities are linked to carrier hotels opening the door to unlimited connectivity options.

USE MULTIPLE DEDICATED OR "PAY-AS-YOU-EAT" MPLS PORTS
For data transit failover between metro areas with online carrier selection via our automation tools.

REALIZE VIRTUALLY INFINITE SCALABILITY
Unlimited low-cost ports, allowing settlement-free peering, settlement based peering and buy/sell peering exchanges.

ENJOY NO SPACE AND POWER CONSTRAINTS
CyrusOne's Massively Modular® facility architectures enable web scale colocation agnostic of conventional space and power constraints.

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