



GLOBAL DATA CENTERS

INFRASTRUCTURE THAT SCALES
AS YOUR BUSINESS GROWS

LIGHTCREST GLOBAL DATA CENTERS

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Lightcrest network infrastructure operates within data centers engineered to the highest degree of redundancy, power capacity, and physical security. Our global data center footprint is designed to service customers with the most demanding of DR and high-availability architectures.

DATA CENTER LOCATIONS

North America

- Atlanta
- Boston
- Buffalo
- Dallas
- Denver
- Los Angeles
- Miami
- Nashville
- New York
- Phoenix
- Seattle
- Silicon Valley
- St. Louis
- Tampa
- Toronto
- Washington D.C.
- Vancouver

Europe

- Amsterdam
- Dusseldorf
- Frankfurt
- Geneva
- Munich
- Paris
- Zurich

United Kingdom

- London

South America

- Buenos Aires
- Rio de Janeiro
- Sao Paulo

Asia

- Hong Kong
- Shanghai
- Tokyo

South East Asia

- Singapore

South Pacific

- Melbourne
- Sydney

When choosing a hosting partner, it is critical to choose a provider that is physically and logically secure, redundant, and network neutral. Competitiveness drives prices down - and by partnering with Lightcrest, network-neutral IBX (internet business exchange) and NAP (network access point) resources will drive your total bandwidth costs down by default.

By leveraging our relationships with over 1000 Tier 1 transit providers and GPNs (Global Peering Networks), Lightcrest passes on ultra-fast, low latency network capacity required by the most demanding of customers. Customers like Sony, IBM, and Fox use the same peering networks we do for a reason - they're the best, period. Lightcrest demands quality infrastructure - and take pleasure in passing that quality on to you.

REDUNDANT POWER

- UPS (Uninterruptible power supply) power is N+1 redundant with automatic failover in the event of an unexpected failure.
- On-site generators provide backup power in the event of an extended outage.
- All data centers are immune from total utility power outages due to on-site backup generators.

CORE ROUTERS AND SWITCHES

- Lightcrest leverages only the most rigorously tested networking equipment, and standardizes on Cisco equipment for all core routers and switches. All routers and Layer 3 switches are redundant, multi-homed, and autonomous.
- Backbones between data centers allow customers to achieve multiple levels of DR (Disaster Recovery) and fault-tolerance.
- Neutral IBX and NAPs allow Lightcrest customers to access the most competitive bandwidth rates and lowest latency carriers in the industry.
- DWDM, MPLS, dedicated fiber, and 10G backbones provide customers with a myriad of connectivity options.

GREEN ENVIRONMENT

- Lightcrest is harnessing the natural cooling power of the ambient environment by deploying water-side and air-side economizers in our HVAC systems. This allows us to cool our data centers naturally by taking advantage of cooler ambient temperatures to reduce our reliance on energy-consuming compressors and chillers.
- All Lightcrest data center HVAC systems are at least N+1 redundant. In the event of a failure, backup systems seamlessly provide HVAC failover.
- Variable frequency drives (VFDs) are deployed in chillers, pumps and fans in our HVAC systems. A VFD drive automatically reduces a motor's speed and power draw when there is lower system load.
- Fire suppression systems are designed to stop fires from spreading in the unlikely event one should occur.

PHYSICAL SECURITY

- Biometric scanning, cage-codes, 24x7 security professionals, and 24x7 surveillance provide round-the-clock exterior and interior security.
- Man-traps prevent unauthorized access to the facility in the event of a physical attack.
- No one can access Lightcrest operated facilities without being explicitly escorted by Lightcrest personnel.
- All Lightcrest employees undergo multiple background checks before they are employed.

NETWORK ENGINEERS

- All Lightcrest Network Engineers are certified CCNP (Cisco Certified Network Professional) or CCIE (Cisco Certified Internetworking Expert).
- All Lightcrest Network Engineers have at least 10 years of experience building, deploying, and scaling high-availability infrastructure.






Lightcrest

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