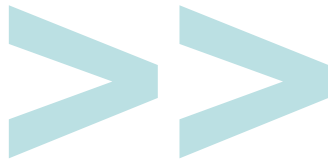




# Why Two is Better than One in Your Data Center



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# Benefits:



## ➤ Interconnectivity

- Direct Access to over 150 network providers
- Swift and inexpensive installation, testing and turn-up

## ➤ Marketplace

- telx clients buy & sell their products & services in a carrier-neutral, global marketplace, fostering industry growth and driving new and additional revenue

## ➤ Space & Power

- telx builds to suit each customer's unique space and power requirements
- telx supplies fully redundant AC and DC power

## ➤ Security

- telx is monitored by surveillance cameras, digital video recorders & maintains a networked, biometric security system, which requires a pass code and fingerprint match to enter
- Access is granted to individuals who are part of an authorized access list generated by telx customers

## ➤ Support

- telx facilities are manned by qualified technicians and engineers every hour of every day, offering complete technical assistance

*connectivity accelerated*



## Key Data Center Elements to Duplicate:

- **Generator Power\***
- **UPS\***
- **HVAC\***
- **Site Security\***
- **Carrier Redundancy\* \***

\* Redundancy is site-specific issues with no real industry standard

\* \* Redundancy is usually supplied by carriers



# What good is all the power & security in the world if your carriers' network goes down?

Although all data centers take care of their own sites' infrastructure, most data centers' carrier networks are fed by fiber & transport access, originating from a Carrier Hotel.



The key question outside of what you can see at a site is what you cannot see at the network layer.

**What is the level of redundancy on the carriers' network at the Carrier Hotel?**

**Carrier Redundancy Occurs in 2 basic ways at 2 different levels:**

1. Carriers' own network diversity
  2. Using multiple carriers
- 
1. Layer 2 transport redundancy
  2. Layer 3 routing diversity

Understanding layer 2 access vs. layer 3 services will help you safeguard your business.



# In closing...



- Know your carriers' networks & back-up systems.
- Re-evaluate your disaster recovery plans based upon this knowledge.
- Extend your own layer 2 access node into a core interconnect site for an additional dimension of network redundancy.

**For more info on redundancy, carrier hotels  
& main Interconnection points, contact:**

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