

# Assess Your On-Premises Data Center Risk



Application and data availability is critically important in today's always-on world. Natural disasters, equipment failures and error-induced process interruptions have historically been the primary threats to infrastructure stability.

Check out our key considerations to help you in assessing your on-premises data center risk.



## Environmental Considerations

Is your data center located in a geographically-stable location, one with a low propensity for natural disasters such as earthquakes, tornadoes and floods? If not, your company could be at risk for potential data center outages due to environmental issues. Does your on-premises data center provide the following features?

- Geographic diversity
- Redundancy
- UL / LPI certified perimeter lightning protection system
- Discreet PLC/BMS automation
- Redundant controllers
- Fire detection/prevention/VESDA
- Interlocked, multi-zone, sure-fire pre-action dry pipe
- ANSUL Inergen green gas fire suppression system
- Leak detection



## Compliance Considerations

As if IT departments didn't have enough to worry about these days, they also have to ensure that their organization is in compliance with various industry and federal regulations. These compliance mandates exist to hold companies accountable, mitigate risk and protect employees and customers from fraud, unfair practices and increasingly against malicious cyber activity. Does your on-premises data center meet the following compliance standards?

- SSAE 16 certified
- PCI DSS HITECH certified
- SOCI, SOCII certified
- HIPAA certified



## Security Considerations

How secure is your data center? Can you stay ahead of threats, prepare for compliance audits, and employ accurate vulnerability coverage? If not, you are putting your business at risk. Does your on-premises data center employ the following security measures?

Physical security:

- Video surveillance
- Mantraps and biometric readers

Network security:

- IDS/IPS (intrusion detection/intrusion prevention solution)
- Basic firewall



## Availability Considerations

When your data center suffers any incident and your data is not accessible, the result is disruption to your business operations. What measures are in place to ensure the availability of your data center? Is your on-premises data center designed and built without single points of failure? Do you employ the following measures?

- 100% fully-redundant power system
- Advanced fire detection/suppression
- Highly effective and efficient cooling systems
- Carrier neutral approach with multiple fiber and copper transport providers

Colocating your disaster recovery IT infrastructure gives you peace of mind in the event of a natural disaster, power outage or other unexpected event that impacts your primary place of business. Colocation can ensure that your offsite infrastructure and applications will remain available and operational if the unexpected happens.

Let OneNeck host your valuable IT operations in our robust, secure and concurrently maintainable data center facilities upon which you can execute your disaster recovery strategy and provide the essential services your business requires.



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