

# DATACENTER CHECKLIST

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# Data Center Checklist

The purpose of the Data Center Checklist is to allow you to evaluate data center providers on a range of criteria and provide a framework for more informed decisions. \*Respond with Yes (Y) or No (N) in Checkbox

## Company Profile

- Company is publicly held or venture backed
- Company has audited financials from Big Four auditor
- Company has multiple data centers
- Company has multiple service locations
- Company can provide reference accounts
- Core competency—designs, engineers and delivers
- Company offers modular data center products and services
- Company offers standardized data center hardware
- Company offers software optimized data center infrastructure
- Company offers just-in-time data center capacity
- Company can meet ultra-high security requirements
- Company has Tier III Design Certification from Uptime Institute
- Company offers a 100% uptime SLA

### Providers

1	2	3

## Core Power

- Total capacity available at data center (# MW)
- On-site substation
- If yes, is substation dedicated to provider's use?
- Diverse high voltage feeds from utility
- If yes, what is voltage and capacity (in kV/KVA)?

### Providers

1	2	3

### Providers

1	2	3

## Data Center Structure

- Steel reinforced concrete
- Square footage
- # stories
- Distance from street (# feet)
- On-site office space
- # freight elevators
- # truck/shipping bays
- Burn-in/Staging center available
- Major delivery services available
- Easily accessible from airport/highway
- Secure storage
- Managed shipping and receiving

### Providers

1	2	3

## Critical Power

- # backup generators on-site
- Total backup capacity currently available (# MW)
- # gallons diesel fuel stored on-site
- How long at full load? (# minutes)
- Proximity to diesel fuel filling station (# miles)
- Battery backup capacity at load (# minutes)
- Roll-up generator available on-site
- If yes, does provider own?

### Providers

1	2	3

## Uninterruptible Conditioned Power

- Concurrently Maintainable Design
- UPS currently available (# MW)
- Total UPS available at site (# MW)
- Diverse UPS manufacturers
- Diverse PDU manufacturers
- Power density across entire data center (Watts UPS/SF)
- Spot densities per square foot (# Watts)
- Color-coded power cabling
- Hand-sewn, wax string used
- Overhead cabling

### Providers

1	2	3

## Environmental Threats

- Environmental Threats
- Earthquakes
- Tornadoes
- Hurricanes
- Tidal flooding

### Providers

1	2	3

## Air handling

- Concurrently Maintainable Design
- # Modular CRAH units
- Capacity of CRAH units (kw or tons per unit)
- High-efficiency raised floor
- High-efficiency chilled water system

