//Data Center Checklist

COMPANY PROFILE

	PROVIDERS 1	2	3
Publicly held or venture backed			
Multiple data centers			
Multiple service locations			
Reputable reference accounts			
Core competency – designs, engineers and delivers data center products and services			
Provides a 100% uptime SLA			
Offers modular data center products and services			
Offers enterprise-grade "private cloud" Infrastructure as a Service			
Standardized data center hardware			
Offers software optimized data center infrastructure			
Meets ultra-high security requirements			
Tier III Design Certified by the Uptime Institute			

ENVIRONMENTAL THREATS & LOCATION

Earthquakes			
Tornadoes			
Hurricanes			
Tidal flooding			
River flooding			
Tsunami			
Blizzards/Hail storms			
Located in flood plain			
Located in flight path			
Adjacent to highway with hazardous shipping			
Adjacent to railroad tracks			
Easily accessible from airport/highway			
Distance from street (# feet)			
Major delivery services available			

DATA CENTER STRUCTURE

LEED Certified			
Steel reinforced concrete			
Square footage			
# stories			
On-site office space			
# freight elevators			
# truck/shipping bays			
Burn-in staging center available			
Secure storage			
Managed shipping and receiving			

COMPLIANCE AVAILABLE

	PROVIDERS 1	2	3
SAS 70 / SSAE 16			
PCI			
HIPPA			

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 capacity (in kV/KVA)?			

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)			

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			

ENERGY EFFICIENCY

LED lighting			
Motion activated lighting			
Ultrasonic humidification			
Variable frequency drive chillers			
Variable frequency drive pumps			
Variable frequency drive cooling towers			
Variable frequency drive air handlers			
Sealed cabinets			
Insulated roof			

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EFFICIENCY

	PROVIDERS 1	2	3
Thermal Energy Storage (TES) option available			
% of time free cooling can be used			

HEAT REJECTION

# of compressors/chillers			
# evaporation towers			
Capacity of chilled water plant (#tons)			
Bi-directional, welded, valved chilled water loop			

WATER

Diverse water mains			
# gallons water stored on-site			
Domestic well on-site			

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			
Variable speed plug fans			

ACCESS CONTROL

Traffic bollards/car traps			
Digital video surveillance			
Customer defined access lists			
Visitor tracking			
Biometric screening			
Mantraps			
Locking cabinets, cages, suites and modules			
Private access control systems allowed			
24x7xForever customer access without delay			

ENVIRONMENTAL CONTROLS

Discreet PLC system automation			
Redundant controllers			
HSSD smoke detection			
Interlocked, multi-zone, pre-action dry pipe and clean agent gas fire suppression			
Rope-style leak detection			
Single point grounding system			
UL approved perimeter lightning protection system			

NETWORK CARRIERS

	PROVIDERS 1	2	3
AT&T			
AboveNet			
ACS Alaska			
Cogent			
Comcast			
Global Crossing			
he.net			
Integra Telecom			
Level 3			
LS Networks			
Paetec (Windstream)			
SilverStar Telecom			
Verizon Business			
Spectrum Networks			
TATA			
tw telecom			
XO			
Zayo (360 Networks)			

NETWORK CONNECTIVITY

Free cross-connects			
Carrier-neutral			
On-site Meet-Me-Room			
# diverse fiber entry vaults			
# network providers on-site with gateway access			
Enterprise-grade internet bandwidth w/minimum			
10GB connections to each provider			
Private data transport between data centers			
Dark fiber available			
Wireless service available			

SUPPORT SERVICES

Complimentary remote hands			
24x7 On call engineers			
Managed Services Options			