

FACILITIES DESCRIPTION

IAD2 Data Center- Ashburn VA

Facility

- Data Center floor for site is approximately 171,200 sq ft
- IAD2 pod is 11,000 sq ft
- Site is manned 24/7/365 with Rackspace operations personnel
- Preventative Maintenance contracts on all facility infrastructure

Security

- Staffed 24/7 with separate security lobby
- Electronic security features with card key access
- Alarm system
- CCTV archived video

Power

- 2.275 mW critical power to pod
- 36.4 mW total critical power to site

UPS

- 32 Rotary power systems with 1300 kW of critical output each
- N+2 Redundancy

Heat Rejection Systems (AC)

- Evaporative chilled water plant
- Over 17,280 tons of cooling
- N+3 Redundancy

Fire Protection

- Laser based Early Smoke Detection
- Dual Sprinkler System

Facility Monitoring

- NARC- Network monitoring software
- Data Trax Foreseer Facility Monitoring System
- Over 8000 monitored points

DATA CENTER PHOTOS

(physical access to devices within Rackspace data centers is restricted to authorized Rackspace personnel)



ACC4/IAD2



Security Entrance



UPS Room



Chiller Plant

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Generators

- 32 diesel-powered emergency generators with 2,250 kW capacity each.
- N+2 redundant.

Customer Rack Systems

- Rackspace uses custom 55u (approx 9ft) Rack Solutions cabinets.

Customer Access

- Customers retain full administrative control of their leased servers. Rackspace retains control of dedicated networking hardware such as firewalls and load balancers. Console level access is provided via Terminal Services or SSH over VPN, depending upon platform.

Backup and Recovery

- Fully managed backup to centralized storage is available; offsite tape rotation is optional.

Network Infrastructure

- Redundant Cisco 3-tier LAN Architecture

Physical Connectivity

- Multiple fiber carriers
- Copper and fiber installed and terminated to onsite demarcation

Transit

- Multiple Tier-1 Service Providers
- Gigabit Ethernet per carrier (multiple gigabits of total bandwidth available)

Routing

- Redundant Cisco 6500 Series Switches for edge and core routing
- Internap FCP route optimization

Switching

- Cisco 3550/3750/4948 Series Switches for aggregation
- Cisco 2950/2960/2970 Series Switches for Distribution

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Cooling Towers



Loading Dock



Main Hallway from Halfway



Tenant Space

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