Ashburn, Virginia is the top data center market in the world, containing one of the largest fiber carrier densities around. VA3 is the third of nine planned data centers on our 224MW campus, offering data center solutions from cabinets to build-to-suit facilities for deployments of all sizes.

**Data center space**
- 112,000 sq. ft. data floor space
- 2MW or larger vaults
- Two-story building
- Class A office space available

**Power**
- Total critical IT load: 16MW
- 34.5kV electrical distribution
- N+2 distributed redundancy with 9 to make 8 design
- Eighteen (18) x 1MW UPS modules for every 8MW capacity
- Dual-corded power distribution
- Generators with on-site fuel storage to support 24 hours run time at full load with 24x7x365 fuel delivery
- Diverse power distribution to data hall (A and B feeds)
- Power densities available up to 22kW per rack
- Renewable energy options available

**Cooling**
- Waterless cooling using pumped refrigerant economizers and condensers
- Raised floor environment
- N+2 redundancy

**Fire protection**
- Aspirating smoke detection (ASD) system enabling fast detection and mitigation
- Dual interlocked nitrogen filled preaction dry pipe fire suppression system

**Security**
- 24x7x365 Security and Operations team
- Fenced campus with centralized, electronic access control system
- 100+ real-time security feeds using pattern-based technology
- Multi-factor authentication throughout the facility
- Secure managed delivery and loading area 24x7x365

**Connectivity**
- Carrier-neutral
- Three diverse fiber entry points
- Two Meet-Me-Rooms
- Multiple Tier-1 carriers on-site, including Cogent, Comcast, FiberLight, Level 3, Verizon Virginia, and Zayo
- Direct connectivity to major cloud providers, applications providers and enterprise ecosystem
Additional data center services
- Remote hands and eyes
- Fit-out and deployment
- Class A office space
- Dedicated long-term storage

Certifications and compliance
Compliance
- SOC1 Type II and SOC2 Type II
- ISO 27001
- ISO 50001 Energy Management
- PCI DSS
- NIST 800-53 HIGH
- HIPAA

Sustainability
- Designed to LEED Gold Standards
- EPA ENERGY STAR

Data center products
- Cabinets
- Customizable cages
- Private suites
- Dedicated vaults
- Build to suit

Ashburn campus highlights

Design: NTT Ashburn features five data centers, with four more planned, over two campus locations. At full build-out the campus will offer 224MW of critical IT load and 970,000 sq. ft. of data floor space.

Security: The campus utilizes the Avigilon H4 Fisheye Camera line that offers a high-resolution, 360-degree view of the data center and provides real-time alerts to our in-house security team using pattern-based technology.

Client amenities: Our Ashburn data centers offer several client amenities including conference rooms, hoteling stations, break room, crash carts, rack and server lifts, and free Wi-Fi.
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Ashburn VA3 Layout

Vault 1
- 2MW critical IT load
- 13,911 sq.ft

Vault 2
- 2MW critical IT load
- 13,994 sq.ft

Vault 3
- 4MW critical IT load
- 27,787 sq.ft

Vault 4
- 2MW critical IT load
- 13,908 sq.ft

Vault 5
- 2MW critical IT load
- 13,994 sq.ft

Vault 6
- 4MW critical IT load
- 27,944 sq.ft

Lobby
Breakroom
Client Office Space
Shipping & Receiving
Mech/Elec Gallery
MMR1
MMR2
Generator Yard

Data sheet | Ashburn VA3 Data Center

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