

Ashburn VA5 Data Center

Ashburn, Virginia is the top data center market in the world, containing one of the largest fiber carrier densities around. VA5 is the fifth of nine 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

- 140,000 sq. ft. data floor space
- Four 8MW vaults
- Two-story building
- Class A office space available

Power

- Total critical IT load: 32MW
- N+1 redundancy for each vault
- Five (5) x 2MW UPS modules for every 8MW capacity
- Dual-corded power distribution
- Diverse power distribution to the data vault (A and B feeds)
- 24-hour fuel storage capacity
- Power densities available up to 22kW per rack
- Renewable energy options available

Cooling

- Air-cooled chillers with airside economizers
- Fan coil wall cooling design with hot aisle containment and N+1 redundancy in the vault
- Dedicated modular chiller plant designed with a closed loop water cooling system for additional efficiency

Fire protection

- Dual interlocked nitrogen filled preaction dry pipe fire suppression system
- Aspiration Smoke Detection (ASD) system enabling fast detection, response and mitigation

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
- Network dense with access to many global and regional carriers and ISPs offering dark and lit services
- Access to multiple leading public, private, and hybrid cloud providers

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 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.

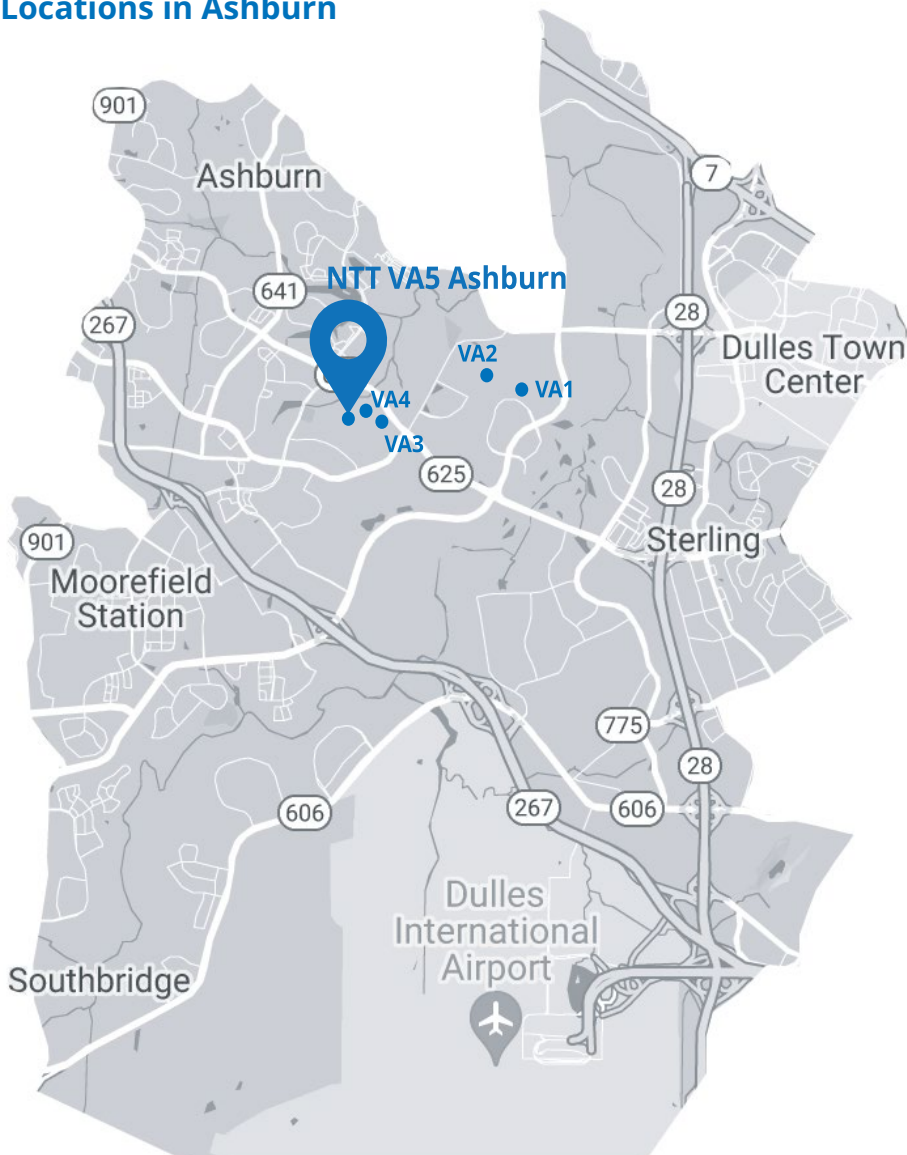
Security:

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.

Locations in Ashburn



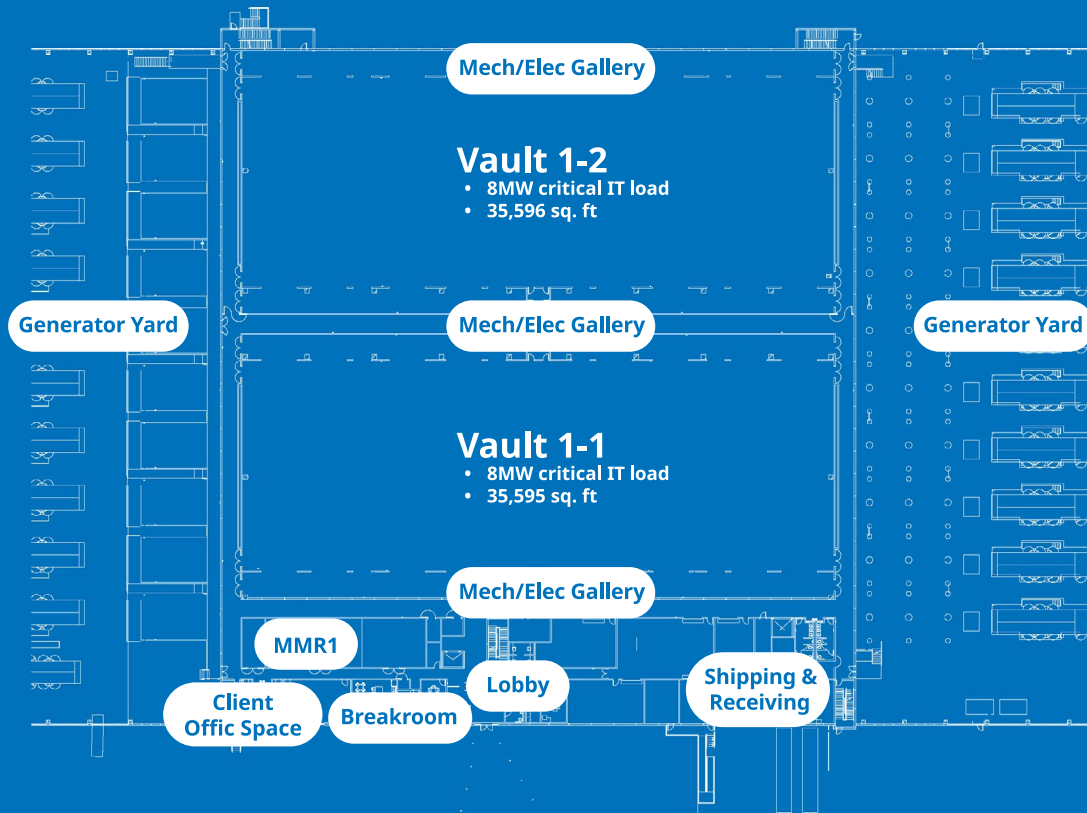
Address and contact

Ashburn VA5 Data Center

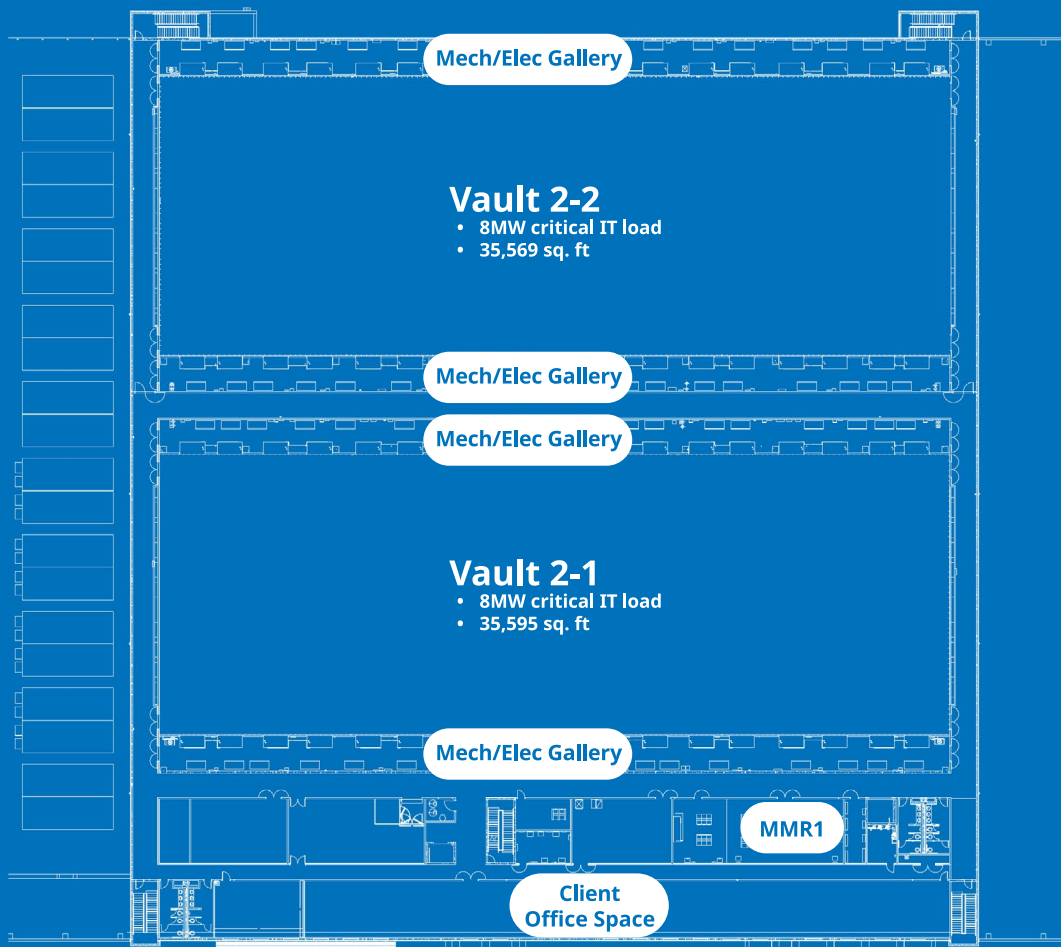
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Floor 1



Floor 2



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