Data Centers

Virginia Ashburn 1 | Virginia Ashburn 2 | Virginia Ashburn 3 |
California Sacramento 1 & 2 | California Sacramento 3 | California Santa Clara
California Silicon Valley 1 | Texas Dallas 1
Virginia Ashburn 1 Data Center

Our Virginia Ashburn 1 Data Center is only a 10-minute drive from Washington Dulles Airport.

Features and benefits

Great access
Virginia Ashburn 1 (VA1) Data Center is a short distance from Washington D.C. and has easy access to three airports and multiple major highways.

Highly secure
The Data Center uses a building-within-a-building design, with over 50 monitoring cameras covering 360-degrees and multiple security zones. Data center access is by three-factor identification systems, designed to protect your systems. All security systems are monitored 24/7 by armed in-house security team and the campus is surrounded by steel fences and bollards.

LEED Gold and ENERGY STAR
The data center has achieved LEED Gold certification by the U.S. Green Building Council (USBG) for its environmentally friendly design and highly secure and efficient operation. The US Environmental Protection Agency (EPA) has also certified the data center as an ENERGY STAR building.

Carrier neutral
This data center is carrier neutral. This gives you more flexibility in selecting from a variety of network services providers, and also greater redundancy. The data center is located at Fiber Alley, one of the world's busiest Internet traffic areas, giving customers low-latency access to many national and international fiber carriers.

Specifications

Power:
- Single path
- UPS in 2N+2 configuration
- Diesel generator in N+2 configuration
- Dual power feed to each rack
- Power supply: up to 20kW/rack

Airconditioning:
- Water-cooling system
- N+2 and N+10% minimum configuration

Security:
- Preregistration
- Photo identification
- Integrated circuit (IC) card authentication
- Biometric authentication
- Anti-tailgating system

Location

Certification:
- SOC 1
- SOC 2
- Energy Star
- HIPAA
- PCI DSS
- LEED Gold

Other facilities:
- Meeting room
- Parking space
- Office space for clients
Virginia Ashburn 2 Data Center

Our Virginia Ashburn 2 Data Center is only a 10-minute drive from Washington Dulles Airport.

Features and benefits

Huge capacity

Our Virginia Ashburn 2 has over 42,000m² and 14 megawatts (MW) of high-density, critical IT power. This data center offers seven turn-key vaults and highly flexible colocation configurations for wholesale data center clients. Each vault is configured for 2MW of IT capacity, and can be divided into two 1MW halls. The design can also accommodate multi-megawatt requirements for large wholesale clients, or allow tenants to grow in phases.

Carrier neutral

Virginia Ashburn 2 is located in Northern Virginia, which is the leading global data center market, containing one of the largest fiber carrier densities and highly-reliable, cost-effective utility power from Dominion Virginia Power. Our 28,4MW, carrier-neutral data center campus is currently spread across two fully integrated data center buildings Virginia Ashburn 1, and Virginia Ashburn 2 totaling over 88,000m² of data center space with more than 600,000m² in development.

Business-ready

Our conference rooms, dedicated client parking, and other amenities are ready for use by our clients.

Specifications

Power:
- Single path
- UPS in 2N+2® configuration
- Diesel generator in N+2 configuration
- Dual power feed to each rack
- Power supply: up to 22kW/rack

Airconditioning:
- Water-cooling system
- N+10% configuration

Security:
- Preregistration
- Photo identification
- Integrated circuit (IC) card authentication
- Biometric authentication
- Anti-tailgating system

Certification:
- SOC 1
- SOC 2
- HIPAA
- PCI DSS

Other facilities:
- Meeting room
- Parking space
- Office space for clients
- N-Matrix™ DCIM for real-time visibility of infrastructure operations

Location

Washington
Virginia Ashburn 3 Data Center

Our Virginia Ashburn 3 Data Center is only a 10-minute drive from Washington Dulles Airport.

Features and benefits

Huge capacity
Large-scale data centers with 10,400m² of data floor space and 16MW of IT power for each data center on a highly scalable site with a total area of about 310,000m². Further expansion in the form of Virginia Ashburn 4 Data Center is planned to launch in July 2020.

Carrier neutral
Our Virginia Ashburn site offers carrier-neutral data centers which connect to VA1 and VA2 in the same area. Excellent connectivity to multiple telecom carriers is available, including cloud service providers through three route fibers. VA3 and VA4 are located in the area where 70% of world internet traffic is gathering and known as ‘Data Center Alley’, so a stable network is readily available.

Efficient design
A leading, air-cooled airconditioning system with free cooling enables high-level energy saving and flexible expansion opportunities for our clients’ system expansions. An efficient automatic facility management system enables real-time power usage monitoring and cooling.

Business-ready
Amenities such as conference rooms, dedicated client parking, 4,800m² of office space, a lounge, fitness room, and shower room are available for our clients.

Specifications

Power:
- Dual path
- 33MW
- 16MW
- Flexible configuration with N, N+1 and 2N+2® redundancy
- Diesel generator in N+2 configuration
- Dual power feed to each rack
- Power supply to a rack: up to 20kW

Airconditioning:
- Air-cooling system in N+1 configuration
- Downflow type/hot and cold aisle design
- Data floor environmental conditions maintained per ASHRAE TC 9.9 standards

Security:
- PTZ monitoring cameras
- 24/7 on-site security presence
- Photo identification, preregistration, anti-tailgating system
- Integrated circuit (IC) card, PIN, and iris scan authentication

Certification:
- SSAE 16
- PCI DSS
- HIPAA
- EPA ENERGY STAR

Other facilities:
- Meeting room, parking space, and office space for clients
- N-Matrix™ DCIM for real-time visibility of infrastructure operations

Location

![Location Map](image)
**California Sacramento 1 & 2 Data Centers**

Our California Sacramento 1 and 2 Data Centers are only a 15-minute drive from Sacramento International Airport.

**Features and benefits**

**Seismically Stable**
The California Sacramento 1 and 2 (CA1&2) data centers are located in the Sacramento area of California, which is outside of the seismically active Bay Area and Silicon Valley.

**High-density Power**
At the data centers, power supply is scalable from 2kW to 22kW per rack, eliminating the need for rack relocation or expensive construction when additional space is needed. The data center is designed to flexibly respond to our clients’ future power expansion needs.

**LEED Gold**
Our CA1&2 data centers were the first to achieve ENERGY STAR certification by the US Environmental Protection Agency (EPA). The US Green Building Council also certified CA1&2 LEED Gold. LEED certification is in recognition of the data center’s environmentally-friendly design.

**Carrier neutral**
Our data centers are carrier neutral. This gives our clients more flexibility in selecting from a variety of network services providers, and also greater redundancy. The data centers have the largest number of line connections in the Sacramento area, and provide low-latency network connectivity both inside and outside the US.

**Specifications**

**Power:**
- Dual path
- UPS in N+1 configuration
- Diesel generator in N+1 configuration
- Dual power feed to each rack
- Power supply: up to 12kVA/rack

**Airconditioning:**
- Chilled water-cooling system
- N+1 configuration

**Security:**
- Preregistration
- Photo identification
- Integrated circuit (IC) card authentication
- Biometric authentication
- Anti-tailgating system

**Certification:**
- ISO 27001

**Other facilities:**
- Meeting room
- Office space for clients
- Eco lounge

**Location**

![Map of California with Sacramento highlighted as the location for the data centers.]
**California Sacramento 3 Data Center**

Our California Sacramento 3 Data Center is only a 15-minute drive from Sacramento International Airport.

**Features and benefits**

**Seismically-stable**

Our California Sacramento 3 Data Center (CA3) is located in the Sacramento area of California, which is outside of the seismically active Bay Area and Silicon Valley.

**100% Availability**

CA3 provides leading services, with fully redundant power, airconditioning and communications facilities, solid security systems against terrorism, and a 100% power availability service level agreement (SLA). In addition to its high-density power supply (20kW/rack) and redundant facilities, the patented 2N+2® architecture offers fully redundant power supply, even during maintenance, and provides the highest power availability, exceeding the Tier IV standard.

**Carrier neutral**

CA3 is carrier neutral. This gives you more flexibility in selecting from a variety of network service providers, and also greater redundancy. The data center has the largest number of line connections in the Sacramento area and provides low-latency network connectivity both inside and outside the US.

**Efficient operation**

Facility operations at CA3 are conducted through N-Matrix®, an automatic management system for monitoring power utilization status and the airconditioning system. In addition to N-Matrix, CA3 uses an outdoor air-cooling system, which reduces airconditioning cost. It is ENERGY STAR certified by the US Environmental Protection Agency (EPA), for achieving low-cost operations, and LEED certification from the US Green Building Council for environmentally friendly design.

**Specifications**

**Power:**
- Dual path
- UPS in 2N+2® configuration
- Diesel generator in N+2 configuration
- Dual Power feed to each rack
- Power supply: up to 20kW/rack

**Airconditioning:**
- Water-cooling system
- N+2 and N+10% minimum configuration

**Security:**
- Preregistration
- Photo identification
- Integrated circuit (IC) card authentication
- Biometric authentication
- Anti-tailgating system

**Location**

CA3 is carrier neutral. This gives you more flexibility in selecting from a variety of network service providers, and also greater redundancy. The data center has the largest number of line connections in the Sacramento area and provides low-latency network connectivity both inside and outside the US.

**Certification:**
- SSAE 16
- PCI DSS
- HIPAA
- EPA ENERGY STAR

**Other facilities:**
- Meeting room
- Parking space
- Office space for clients
California Santa Clara Data Center

Our California Santa Clara Data Center is only a 15-minute drive from San Jose International Airport.

Features and benefits

Purpose-built Data Center

Our California Santa Clara Data Center is a purpose-built data center with a total area of 1,500m², and was built in 2009.

LEED Platinum certified

This data center is certified as LEED Platinum by the US Green Building Council.

Great network

The data center is connected to a low-latency and high-capacity Tier 1 network.

Specifications

Power:
- Dual path
- UPS in 2N configuration
- Diesel generator in N+1 configuration
- Dual power feed to each rack
- Power supply: up to 8,32kW/rack

Airconditioning:
- Air-cooling system
- N+2 configuration

Security:
- Preregistration
- Photo identification
- Integrated circuit (IC) card authentication
- Biometric authentication
- Anti-tailgating system

Certification:
- SSAE-16
- ISAE 3402
- SysTrust
- PCI DSS
- HIPPA
- LEED Platinum

Other facilities:
- Parking space

Location

[Map of the United States with California highlighted]
California Silicon Valley 1

Our California Silicon Valley 1 Data Center is only a 10-minute drive from Norman Y. Mineta, San Jose.

Features and benefits

Seismic stability system
Planned for availability in July 2020, California Silicon Valley 1 (SV1) Data Center has been developing a new world-class seismic stability system with 5,900 square meter of data floor space and 16 megawatts of IT power.

Low electrical power rate
SV1 is fed by Silicon Valley Power, which has rates that are 25 to 40 percent lower than other Bay Area power companies, is rated in the top 5% in the U.S. for reliability.

Carrier neutral
As a carrier-neutral data center, SV1 connects to multiple telecom carriers, including cloud service providers, through two route fibers. SV1 also connects to RagingWire's US data centers using a high-speed, large-capacity fiber network.

Efficient design
A leading, air-cooled airconditioning system with free cooling enables high-level energy saving and flexible expansion opportunities for our clients’ system expansions. An efficient automatic facility management system enables real-time power usage monitoring and cooling.

Specifications
Power:
- Dual path
- 16MW
- UPS system in N+1 configuration
- Diesel generator in N+1 configuration
- Dual power feed to each rack
- Power supply to a rack: up to 20kW

Airconditioning:
- Water-cooling system
- N+2 configuration

Security:
- PTZ monitoring cameras
- 24/7 on-site security presence
- Multi-factor authentication, multi-level security zones
- Anti-tailgating system

Certification:
- FISMA
- HIPAA
- ISO 27001
- PCI DSS
- SOC Type 1 and Type 2

Other facilities:
- Meeting room
- Parking space
- N-Matrix	extsuperscript{SM} DCIM for real-time visibility of infrastructure operation

Location

Specifications

- Power:
  - Dual path
  - 16MW
  - UPS system in N+1 configuration
  - Diesel generator in N+1 configuration
  - Dual power feed to each rack
  - Power supply to a rack: up to 20kW

- Airconditioning:
- Water-cooling system
- N+2 configuration

- Security:
- PTZ monitoring cameras
- 24/7 on-site security presence
- Multi-factor authentication, multi-level security zones
- Anti-tailgating system

- Certification:
- FISMA
- HIPAA
- ISO 27001
- PCI DSS
- SOC Type 1 and Type 2

- Other facilities:
- Meeting room
- Parking space
- N-Matrix	extsuperscript{SM} DCIM for real-time visibility of infrastructure operation

Location

- California
Texas Dallas 1 Data Center

Our Texas Dallas 1 Data Center is a 30-minute drive from Dallas-Fort Worth International Airport, and Dallas Love Field Airport.

Features and benefits

100% Availability
Our Texas Dallas 1 Data Center (TX1) offers a high-end, mission-critical data center with patented 2N+2® infrastructure design and 100% availability service level agreement (SLA).

Carrier neutral
Multiple network connection is available including other companies’ cloud services and data centers.

Various amenities
TX1 has various amenities, including office space suitable for business continuity planning (BCP), and multiple conference rooms.

Specifications

Power:
- Dual path
- UPS in 2N+2° configuration
- Diesel generator in N+2 configuration
- Dual power feed to each rack
- Power supply: up to 22kW/rack

Airconditioning:
- Air-cooling system
- N+2 configuration

Security:
- Preregistration
- Photo identification
- Multifactor identification
- Multi-level integrated security zones and anti-tailgating systems

Certification:
- SSAE 16 SOC 2
- PCI DSS
- HIPAA
- LEED Gold
- ISO 27001
- EPA ENERGY STAR

Other facilities:
- Meeting room
- Parking space
- Office space for customers
- N-Matrix™ DCIM for real-time visibility of infrastructure operations

Location

[Map showing location of Texas Dallas 1 Data Center]