VIRTUAL PRIVATE CLOUD SERVICES
& DEDICATED IAAS

Data Center & Infrastructure-as-a-Service Specs

Northern Virginia Data Center
IAD2 Campus (Colocation Facility)

- ◆ Located in Sterling, Virginia. The IAD2 Campus Data Center is a single-story purpose-build building.

- ◆ Fiber-linked campus in the heart of the Dulles Technology Corridor.

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- ◆ Located 4 miles from Dulles International Airport and 30 miles from Reagan National.

- ◆ It is located outside the 100-year flood zone and is FISMA Moderate Capable.

In partnership with:

CENTER SQUaRE

IAD2 Technical Specifications

Buildings
- Single-storage building
- Building interior 118,541 sq/ft
- Raised floor 68,500 sq/ft
- Structured Cabling

Security
- 24x7 video surveillance
- 90-day video storage
- Two-factor authentication recured to access
- Biometric scanners and badge readers
- Entrance mantraps
- Ballistic paneling in lobby
- Ballistic glass
- Cleared support personnel

Data Center Campus Connectivity
- Copper and fiber-optic cross connects
- Dual diverse fiber entrance facilities
- Carrier neutral interconnection area
- Roof rights for antenna placement

Certifications and Compliance
- SSAE 18/ISAE 3402 SOC 1 Type 2
- SSAE 18/ISAE 3000 SOC 2 Type 2
- FedRAMP (High Ready)
- ISO 27001
- PCI DSS 3.2.1
- NIST 800-53 PE
- Energy Star Certified (IAD2-B)

Sustainability and Efficiency
- Wireless sensors
- Smart Lighting
- Energy Star Certified for energy efficiency (IAD2-B)

Fire Detection and Suppression
- VESDA provides early warning detection
- Pre-action dry pipe sprinkler system

Facilities Reliability
- 100% Uptime SLA
- Remote Hands

Amenities
- Free secure Wi-Fi
- Break Room
- Food and beverage vending machines
- Conference Room

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Millennium Enterprise Corp.
Tomorrow's IT Solutions Today

SCALABLE CAPACITY
557K sq/ft of raised floor space with over 47 MW of power to meet your high-performance requirements and give your business room to grow.

VIBRANT ECOSYSTEM
380+ government departments, financial services firms, and other large enterprises on campus in the data center.

HOSTED INFRASTRUCTURE
MEC's Coloation Data Center and Virtual Private Cloud Services are powered by HPE-Aruba, Fortinet, DELL, HPE, Vmware, and CloudBolt.

RICH CONNECTIVITY
MEC has access to 15 unique network services providers, cloud-on-ramps and a growing community of service providers. MEC's private cloud offers redundant 10Gbps of blended internet bandwidth to its clients.

INNERCONNECTS
MEC 200Gbps L2/L3 Redundant Core and Backbone. Supports innerconnect links of 100Mbps, 1Gbps, 10Gbps 25Gbps, 40 Gbps, LAG/LACP, 100Gbps, GRE, IPSEC-VPN, SSL-VPN Access. Redundant 10Gbps Blended ISP Internet IP Service.

VIRTUAL PRIVATE CLOUD
Highly Available Virtual Private Cloud platform for Production and DRBC workloads. Includes dedicated physical Rackspace in the data center. Power by MEC Backbone, Vmbare, DELL, HPE Fortinet, Sentinel One, and NakivoBackup or Bring Your Own Hardware.

NETWORK STORAGE
Provision GB/TB/PB of enterprise-grade high-speed FLASH Storage for Production and Archival workloads. Available as BLOCK iSCSI, or FILESYSTEM NFS, OBJ. Additional options available for 2nd Tier Warm-Standby Storage for DR2.

DATA CENTER FIXTURES
Carrier and Enterprise grade network fixtures including 2-post racks, standard 4-post deep server cabinets. Dedicated caged colocation space to fit your data center, disaster recovery, or custom colocation application.

IAD2-A		IAD2-B	
Utility Power	2.9 MW	Utility Power	13.7 MW
UPS Capacity	3.2 MW	UPS Capacity	8 MW
UPS Configuration	N + 1	UPS Configuration	N + 1
Generator Capacity	3.2 MW	Generator Capacity	13.6 MW
Generator Configuration	N + 1	Generator Configuration	N + 1
Fuel Capacity	9,000 Gal.	Fuel Capacity	50,000 Gal.
Cooling Configuration	N + 1	Cooling Configuration	N + 1
Cooling Capacity	1,001 Tons	Cooling Capacity	2,690 Tons

Millennium Enterprise Corp.