

CLOUD & DATA CENTER SOLUTIONS




personalizing business communications



WHAT ARE CLOUD & DATA CENTER SOLUTIONS?

PAETEC’s Data Centers provide a highly secure, protected, and environmentally controlled facility for you to store critical data, network, and communications assets. Simplify your IT structure with a platform that can also virtualize your business applications and centralize data storage.

PAETEC builds upon these essential ingredients with a full spectrum of professional support services – including Advanced Monitoring, Data Backup and Restoration, and a variety of Cloud Infrastructure Solutions.

-  COMMUNICATIONS
-  BUSINESS CONTINUITY
-  MANAGED SERVICES



FLEXIBLE CONFIGURATIONS SCALE WITH YOUR BUSINESS

PAETEC's Cloud and Data Center Solutions are flexible and secure to easily complement your existing architecture, as well as support a seamless transition (fully or partially) to cloud computing. No matter what the size or complexity, our robust portfolio of both traditional and cloud-based solutions offer a variety of advanced networking and cloud computing environments to suit your business requirements.

DATA CENTER & CLOUD SOLUTIONS

- Data Center Colocation
- Virtual Servers
- Dedicated Servers
- Managed VMware®
- Data Backup & Recovery
- Managed Storage
- Hosted Exchange

VIRTUALIZATION & INTEGRATED SOLUTIONS

- Pay-as-you-go scalability
- Managed solutions enhance operational efficiencies
- Easily manage growth & capacity fluctuations

BUSINESS CONTINUITY & RISK MITIGATION

- Establish redundancy or diversity
- Mitigate security risks
- Perform data backup & recovery

ADVANCED ENTERPRISE-GRADE FEATURES FOR THE CLOUD

- Virtualized & non-virtualized deployments
- Integrate private networking using MPLS or other private networking solutions
- Support input / output (I/O) intensive applications & storage replication

You have facility access 24 x 7, and our *Smart Hands* service personnel are optionally available to service and maintain your equipment on a regular or ad-hoc basis. In addition, weekly generator testing can reduce the risk of an outage. Installation, call-out, and cross-connect services are available to non-PAETEC facilities, permitting diversification and provisioning of additional services.

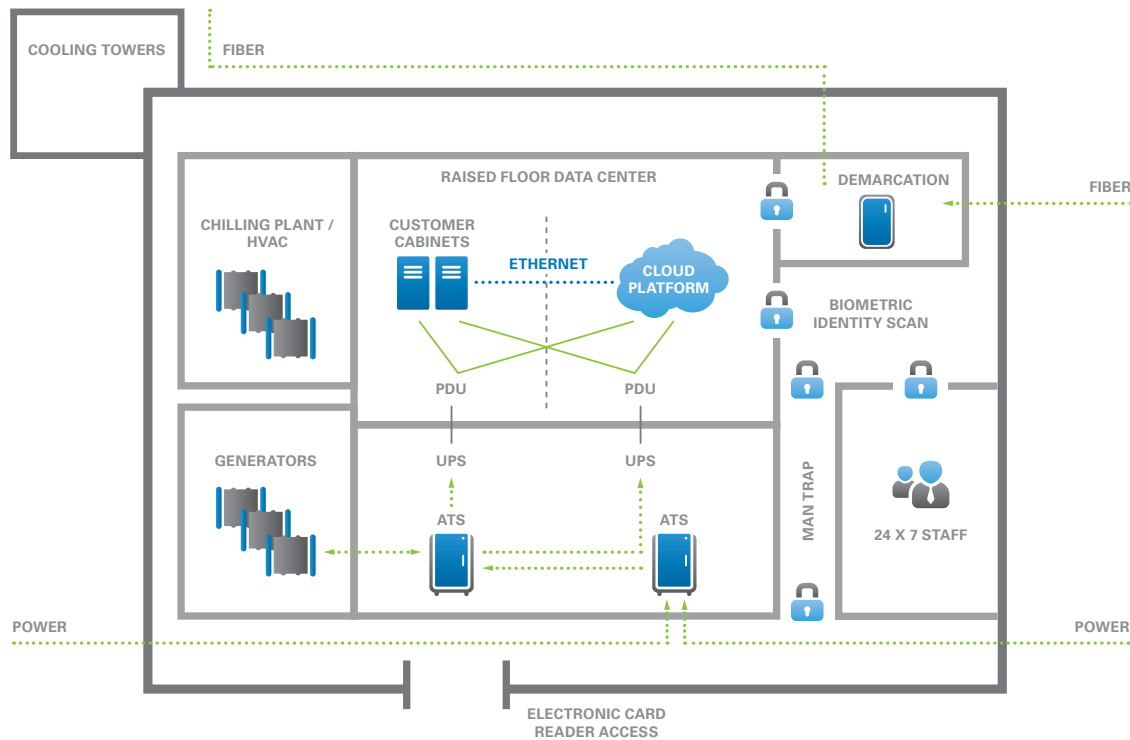


Products designed to optimize IT efficiency and network infrastructure, enabling the adoption of cloud-based technology and centralized management of applications

RELIABLE & SECURE COLOCATION FACILITIES

With redundant OC-level connectivity, blipless power, 24 x 7 x 365 access, and onsite expert technicians, PAETEC's Data Centers are built off the metropolitan power grids and outside of blast zones, yet strategically located within driving distances from major cities nationwide such as Boston, New York, Philadelphia, Washington, Dallas, Chicago, and Los Angeles.

Our SAS 70 Type II facilities include redundant high-speed connections to our MPLS VPN Internet or private line / fiber services to create a seamless platform to host all of your equipment and applications. While, at the same time, they help optimize your resources and create cost efficiencies by providing the high-bandwidth, local access service you need right to your location.



DATA CENTER FEATURES

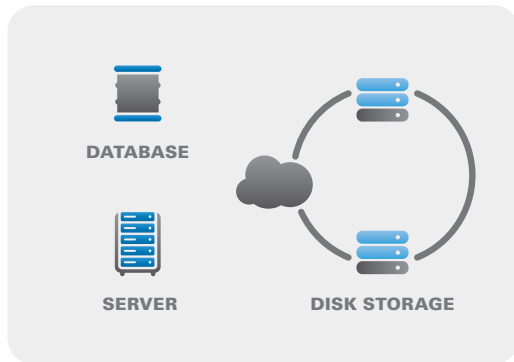
NETWORK CONNECTIVITY

POWER

- Robust data network connectivity with OC-level redundant access
- Dedicated Internet access, featuring PAETEC's redundant Gig-E IP backbone, a combination of public / private Internet peering & standard fast Ethernet or optional Gig-E bandwidth
- MPLS VPN connectivity (data center space designed as a node on your MPLS network)

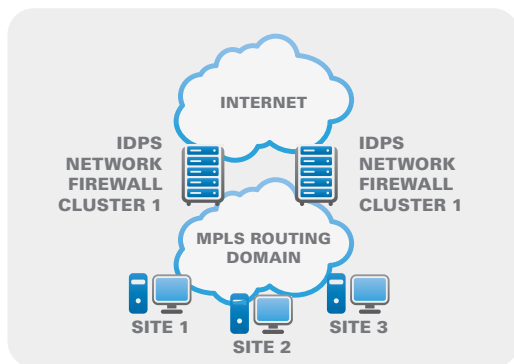
- Power SLA of 100% availability
- Uninterrupted power backed up by generator & UPS
- Automatic power transfer switch (ATS) monitors incoming utility power

EXCEPTIONAL PROTECTION FOR YOUR DATA & WEB PRESENCE



◀ DATA BACKUP & RECOVERY

- Electronic data backup services (magnetic disk)
- Central control panel to backup multiple servers with differing operating systems
- Automatic scheduling
- Backup copies of critical server data
- Data compression, de-duplication & delta processing



◀ NETWORK FIREWALL WITH IDPS

- Internal user-only access to company Web pages & e-mail
- Geographically diverse & redundant Internet connectivity to all sites on your network
- Packet filtering, circuit-level gateways, application-level gateways or proxies & stateful packet inspection
- Intrusion Detection & Prevention System (IDPS), Web Anti-Virus, Anti-Spyware & Web URL Filtering

HVAC

- Precise control of temperature & humidity in the data center
- Consistent relative humidity regardless of the outside environment
- Environmentally friendly cooling towers & heat exchange at our Andover, MA, location
- Scalable HVAC systems, including centrifugal / reciprocating chiller & CRAC units

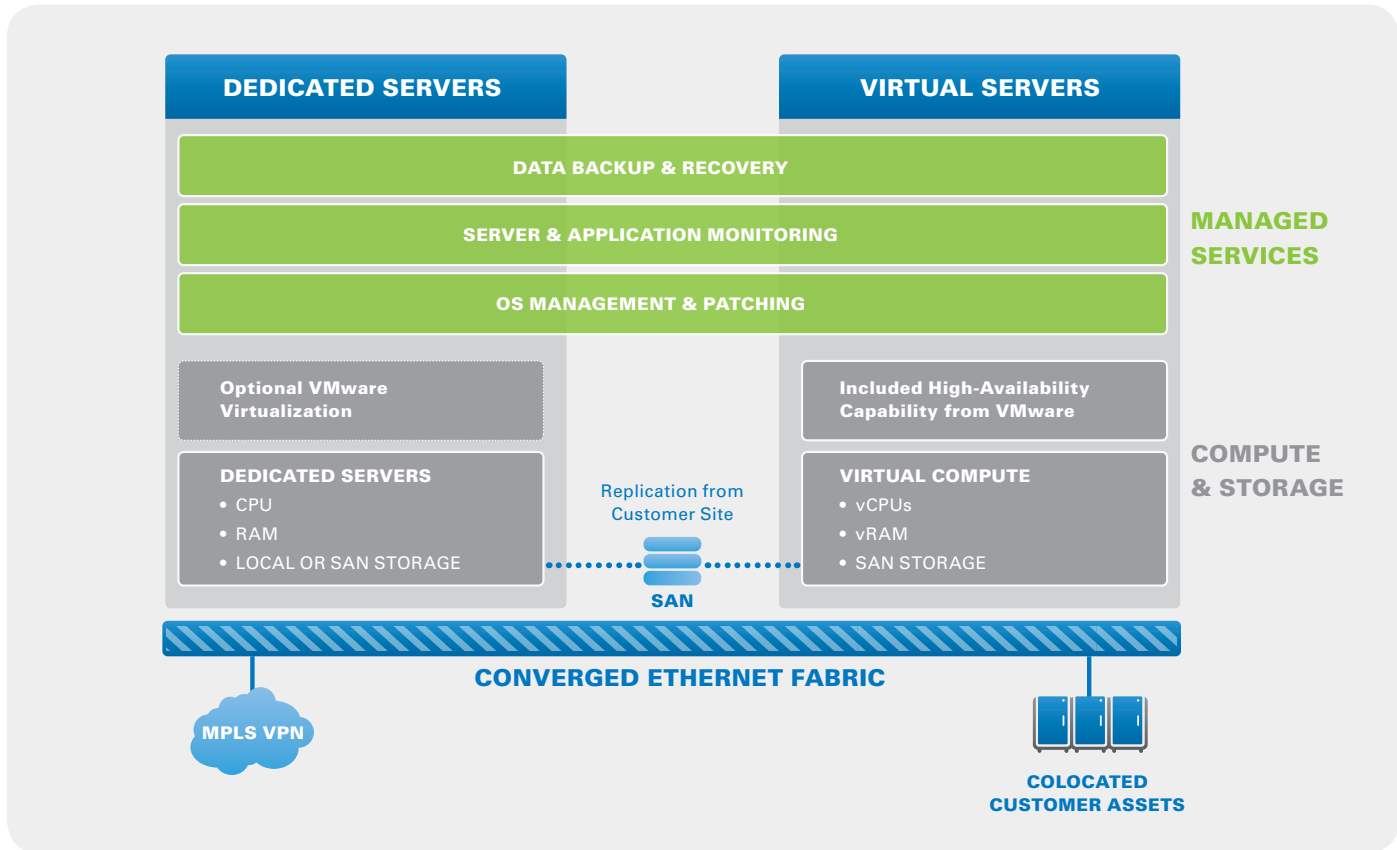
PHYSICAL SECURITY & ACCESS

- Card-reader & biometrics identity access
- Closed circuit cameras & digital video recording
- Grid of sensors & alarms
- 24 x 7 onsite expert technicians

CLOUD SOLUTIONS

- Enterprise Quality Cisco® UCS Servers
- Managed VMware®
- Microsoft Exchange Server 2010®
- EMC® SAN Platform

CLOUD & VIRTUALIZATION SOLUTIONS



VIRTUAL SERVERS

- Purchase on a per virtual server basis with only the compute & storage requirements needed for a particular application
- Delivered using enterprise-caliber Cisco UCS servers & EMC storage
- Integrate with MPLS & other private networking options
- Ethernet inter-connect option for integration with dedicated or colocated servers
- Full administrative access with options for OS management & patching

DEDICATED SERVERS

- High bandwidth, secure connectivity
- Dedicated Cisco UCS servers with broad range of configuration options
- Managed VMware options to enable transition to virtualization at your own pace
- Dedicated network to support virtual, as well as, legacy applications
- Gain economies of scale without investing in additional hardware
- Add incremental capacity as you need it
- Integrate into your existing infrastructure without reworking security solutions

MANAGED STORAGE

- Failover or replication solutions for business continuity / disaster recovery
- Various performance tiers to support the demands of any application
- Advanced SAN features, including automated storage tiering, enterprise-grade solid state (flash) drives & optional dedicated physical disks
- Purchase additional capacity as you need it versus buying physical equipment



CUSTOMER APPLICATIONS

BUSINESS REQUIREMENT:	Disaster Recovery & Business Continuity	Infrastructure Outsourcing	Enterprise Application Hosting	Public Cloud & Internet Application Hosting
SAS 70 TYPE II CERTIFIED DATA CENTER, FULLY REDUNDANT, RELIABLE – INCREASE NETWORK PERFORMANCE				
PAETEC BENEFITS:	<ul style="list-style-type: none"> Ensure business continuity Reduce IT costs Provide redundancy 	<ul style="list-style-type: none"> Reduce IT infrastructure costs Reduce 24 x 7 resource requirements Focus on your business applications, not infrastructure 	<ul style="list-style-type: none"> Reduce IT infrastructure costs Reduce 24 x 7 resource requirements Focus on your business applications, not infrastructure 	<ul style="list-style-type: none"> Host applications with high-performance requirement On-demand scalability Reliable, quality experience for your customers
PAETEC SOLUTIONS:	<ul style="list-style-type: none"> ▪ Colocation ▪ Data Backup & Recovery ▪ Virtual or Dedicated Servers ▪ Managed Storage ▪ MPLS Integration 	<ul style="list-style-type: none"> ▪ Colocation ▪ Virtual or Dedicated Servers ▪ Managed Storage ▪ Hosted Exchange ▪ MPLS Integration 	<ul style="list-style-type: none"> ▪ Colocation ▪ Combine Virtual & Dedicated Servers ▪ Managed Storage ▪ Data Backup & Recovery ▪ Hosted Exchange ▪ MPLS Integration 	<ul style="list-style-type: none"> ▪ Colocation ▪ Virtual or Dedicated Servers ▪ Managed Storage

WHY CHOOSE CLOUD & DATA CENTER SOLUTIONS FROM PAETEC?

Just as the importance of data and our reliance on the Internet has grown, so too has the need for solutions that ensure their reliability and security, as well as the flexibility to grow with your business. Whether you choose a solution to meet ever-changing regulatory requirements or require the highest levels of availability for server operating applications, PAETEC offers you a full range of Network and Cloud and Data Center Solutions designed to do just that.



◀ **View our Cloud & Data Center Video**
www.paetec.com/cloud
 877.472.3832

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