

# INFRASTRUCTURE SOLUTION



## IT'S YOUR CLOUD ANYWAY YOU WANT IT

PCGIT offers custom cloud solutions that deliver the flexibility, reliability and certified support that fit the distinct needs of your business and your customers' goals. This is what separates us from other cloud providers. Our business is the cloud. It's all we do. Our high-performance virtual server infrastructure solutions are scalable for any business—from SMBs to full enterprise systems.

Our expert team of VMware-certified engineers manage the infrastructure, which is built on industry-leading platforms such as VMware and Cisco. Whether you need a public or private cloud solution—or a hybrid cloud that blends the best of both worlds—PCGIT gives you a full range of options to create the cloud you want, any way you want it. We provide you with cloud solutions that work, at a price you can afford and with a level of support that can't be beat.

# THE CISCO ADVANTAGE

Cloud services are not created equal. When you choose cloud or managed services to complement your business, you need to know that the technology powering them delivers the performance and scalability you require. Our infrastructure is Cisco Powered—the industry benchmark from the leader in networking technology.

Because our infrastructure is built on validated Cisco architecture, you have the confidence and agility to blend cloud and managed services with premise-based solutions. This lets you accelerate your opportunities, quickly adapt to changing needs and meet or exceed the performance of on-premise solutions, all without diverting focus from your core business.

## SERVER OPTIONS TO FIT YOUR NEEDS

### PUBLIC SERVER



The benefits of enterprise architecture for customers at any scale

This multi-tenant solution features shared storage, CPU, memory and network resources. With native hosting, this secure public platform offers a powerful blend of dependability, scalability and ease-of-use in a VMware computing environment—ideal for deploying classic and cloud-based applications or hosting business websites and workflows. If desired, our team of VMware-certified engineers can oversee the installation, monitoring and maintenance on your behalf.

### PRIVATE SERVER



The scale and performance of public cloud with the flexibility and control of dedicated resources

This single-tenant solution is comprised of dedicated storage, CPU and memory, along with private network bandwidth and connectivity. Full control of this environment enables resources to be reallocated on-demand while maintaining high performance and availability. The architecture is powered by VMware vSphere. Native and high-availability hosting is available with private or public SATA-like, SAS-like or SSD-like storage options and includes Microsoft OS and VMware licensing.

### HYBRID SERVER



The convenience and affordability of a public cloud with the security of a private cloud

Hybrid cloud solutions enable you to mix and match shared and dedicated virtual server resources to keep each aspect of your business in the most efficient environment possible. Powered by VMware, applications and workloads can be moved between clouds, which accelerates deployment times without having to fully reconfigure network settings.

# STORAGE TIERS

## PREMIUM

Higher I/O available for highly transactional servers. Low latency and high throughput provide flash-like performance. At-rest encryption provided. Ideal for: SQL servers, Exchange servers

## STANDARD

Equivalent I/O to a typical small business-sized server. Latency and throughput are both on par with average SAS-based storage media. Ideal for: web servers, terminal servers

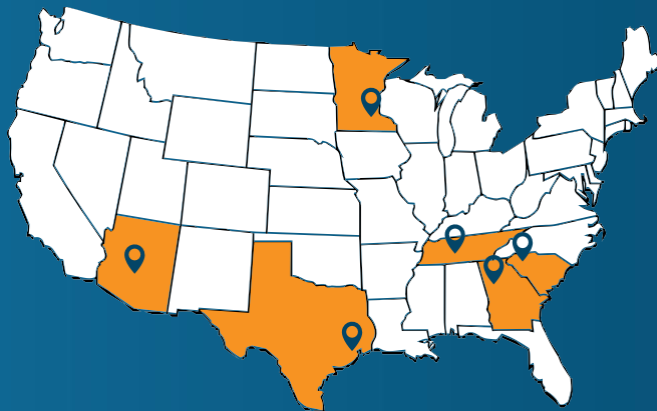
## ARCHIVAL

Low I/O server with storage built for infrequently accessed data. No guaranteed I/O. High latency and low throughput for SATA-like performance. Ideal for: document management systems, old/inactive EMR systems

# OUR DATA CENTERS

## LOCATIONS

Atlanta, GA  
Greenville, SC  
Houston, TX  
Minneapolis, MN  
Nashville, TN  
Phoenix, AZ



## CERTIFICATIONS

SOC 2 Type II  
PCI  
CSA STAR  
ISO27001  
Uptime Institute Tier 3

# BACKUP & SECURITY OPTIONS

	DEFAULT	BACKUP		DRAAS WITH STORAGE REPLICATION	DRAAS WITH ZERTO
SERVICE OPTION	local only	standard backup	replicated backup	replicated array-based snapshots	hypervisor replication
TYPE	snapshot	backup	backup	snapshot replication	continuous write-mirroring
LOCATION	local SAN	local or offsite data center	duel data centers	local or secondary site array	GC recovery data center
RPO	24-hour	configurable	configurable	24	<15 minutes
RETENTION PERIOD	7 days	configurable	configurable	7 days	varies
RTO	none	varies*	varies*	24	<1 hour
FILE LEVEL RESTORE	no	yes	yes	no	no

# VIRTUAL SERVER PRODUCT SPECS

FEATURES	PUBLIC CLOUD SPECIFICATIONS	PRIVATE CLOUD SPECIFICATIONS
SOFTWARE	VMware vCloud Director	VMware vSphere Enterprise Plus Other VMware licenses available*
STORAGE TIERS	Premium (SSD-like): at least 1000 IOPS at <5ms latency, at-rest encryption Standard (SAS-like): at least 250 IOPS at <20ms latency Archival (SATA-like): I/O not guaranteed	Dedicated SAN options available utilizing Tintri and Netapp products Shared options on public tiered storage also available
OS SUPPORTED	Windows Server: 2008(R2), 2012(R2), 2016(DE), 2016(Core); Linux: CentOS, Ubuntu LTS	Any VMware-supported OS
INTERNET BANDWIDTH	Minimum 20MB/s with 3000GB transfer per month provided per virtual data center. Unmetered 20MB/s-1GB/s connections available	Minimum 20MB/s with 3000GB transfer per month provided per private cloud environment. Unmetered 20MB/s-1GB/s connections available
VM BACKUP	Virtual server snapshots are available by default for up to 7 days. Replication to second data center with recovery SLA available	Backup schedule and retention dictated by storage purchased
PUBLIC IP ADDRESSES	One IP per vDC	One IP included
VPN	One IPSEC VPN included for one site	
FIREWALL**	NXS Edge or Cisco ASA on standard service.  Customer provided virtual or physical firewalls are also supported*	NSX Edge or Cisco ASA on standard service. Customer-provided virtual or physical firewalls are also supported*
REMOTE DESKTOP	Two RDP sessions for management	
LICENSING	Microsoft Licenses available under SPLA licensing	Microsoft licensing available under SPLA licensing
PER-VM SIZING OPTIONS	Per-VM Maxima: - Up to 8 vCPU - Up to 128GB vRAM - Up to 10TB per vDisk	Purchased by ESXi host in the following sizes: Dual 14-Core Xeon, 128GB ECC RAM Dual 14-Core Xeon, 256GB ECC RAM Dual 14-Core Xeon, 512 GB ECC RAM Dual 14-Core Xeon, 1TB ECC RAM  Storage purchased in 10TB blocks

\*ADDITIONAL FEES MAY APPLY

\*\*ADDITIONAL PROFESSIONAL SERVICES, NETWORKING AND SECURITY OPTIONS ARE AVAILABLE