

CyberData Configuration 03/23/2012

<b>Dedicated Server Configuration</b>	<b>Price/mo</b>
2 CPU ( <i>8 cores</i> )	\$ 532.00
16 G RAM (minimum 8GB)	\$ 13.60
1.6 TB Storage ( <i>useable</i> )	\$ 128.00
Price per instance of OS & std SQL	\$ 95.56
Plus/minus cost of additional GB of RAM	\$ 5.21
Plus/minus backup of storage (per GB)	\$ 0.125
1 time set up cost, if any, for environment as is	\$ 495.00
1 time set up cost for subsequent VM instances, such as below, in the above hardware config.	\$ 249.00
<b>Total</b>	<b>\$ 1,518.50</b>

<b>VM Server Configuration</b>	<b>Price/mo</b>
1 CPU ( <i>1 core</i> )	\$ 195.00
4 G RAM	\$ 6.80
500 GB Storage ( <i>useable</i> )	\$ 50.00
Price per instance of OS & std SQL	\$ 85.56
Plus/minus cost of additional GB of RAM	\$ 5.21
Plus/minus backup of usable storage	\$ 0.125
1 time set up cost per VM instance	\$ 50.00
<b>Total</b>	<b>\$ 392.70</b>

# CYBERDATA'S TIER 3 HOSTING SOLUTIONS

## ABOUT

CyberData offers Tier 3 and Tier 4 hosting solutions which ensures that Virginia State Agency applications, websites, databases, data and environments are secure and monitored 24/7/365. We enable Agencies to deploy hardware, operating systems and mission-critical applications into an environment that fits their scale, security, and budget needs.

We offer private cloud solutions built specifically for Virginia's COV domain, public clouds for quick deployments and testing, as well as dedicated and virtualized environments.

Whether it is for a testing, hot site, development or production environment, our highly flexible cloud and dedicated server solutions enable complete customization according to their hardware infrastructure configuration, software, and specific applications. CyberData provides a variety of backup and recovery solutions to fit your needs, including: Redundancy, Clustering SAN, & Disaster Recovery Services.

CyberData's highly skilled experts can support your Agency through the decision process, hosting migration, and work with you to trouble shoot any challenges that might arise from the transition. Moreover, CyberData is the only company that won both the hosting and the application O&M VITA eServices contracts which enables us to deliver seamless support and continued communication across your applications and hosted environments. As a result, CyberData provides Hosting, Application & Software and Infrastructure / Platform fully managed services.

### **TIER 3 PRIVATE CLOUD, DEDICATED & VIRTUALIZED: DATA CENTER FEATURES**

Certifications: SSAE 16 / ISAE 3402 (formerly SAS70 Type II)

#### Security Features:

Biometric hand readers or fingerprint readers (two-factor authentication)

SAS 70 Type II certified

24x7x365 physical security at every entry point

Physical security provided by 3rd party security professionals such as Whelan, Securitas, and Wackenhut

Site surveillance recorded via DVR and kept for 90 days minimum

Perimeter security fencing, concrete bollards, and other set back barriers protecting each facility

#### Environmental Features:

Branch power circuit monitoring

Computerized environmental controls and monitoring

Minimum of 180 watts per foot or higher density

FM200 Dry pipe fire suppression with VESDA

n+1 cooling, n+1 UPS, automatic transfer switch between critical components, diesel generators, 2n availability

Dual power feeds from diverse power grids

### **TIER 3 PUBLIC CLOUD: DATA CENTER FEATURES**

Certifications: SSAE 16 / ISAE 3402 (formerly SAS70 Type II), Safe Harbor, ISO 27001

#### Security Features:

Two-factor authentication is required to access all data center facilities.

Electromechanical locks are controlled by biometric authentication

Only authorized data center personnel have access to data halls.

Termination and role-change control procedures are

Closed-circuit video surveillance and Centralized Security Management Systems

Data centers are operational 24x7x365 and are manned around the clock

#### Operational Features:

Static IP Addresses

Built-in High Availability

Multiple Protocols Support

Connection Logging

Connection Throttling

Session Persistence

Advanced Access Control

## PRICING

Tier 3 VM Configuration for Website (Static)	Quantity	\$ / Month	VA Agency Uses
Website	1	\$0.00	Ideal for Agency static websites, micro-sites, etc. Far better than Tier 1 capabilities.
Pages per Site	Unlimited	\$0.00	
OS / RAM / Storage Bundle	1	\$95.56	
Additional Backup Storage (\$.13 per GB)	0	\$0.00	
<b>Total per Month*</b>		<b>\$95.56</b>	

Tier 3 VM Configuration for Web Application	Quantity	\$ / Month	VA Agency Uses
CPU/Core and OS Bundled	1	\$245.00	Ideal for basic Agency web applications and web-services, including electronic forms, Scripts, Databases and other small - medium applications. Application Technologies include: ASP, ASP.Net, PHP, ColdFusion, RubyonRails, JQuery, MySQL Database, MySQL Server, SQL, Microsoft Sharepoint, Microsoft Dynamics.
RAM (\$1.70 per GB)	4	\$13.60	
Usable Storage (\$0.10 per GB)	800	\$80.00	
Additional Backup Storage (\$.13 per GB)			
	0	\$0.00	
<b>Total per Month*</b>		<b>\$338.60</b>	

Tier 3 Cloud Configuration for Web Application	Quantity	\$ / Month	VA Agency Uses
CPU/Core and OS Bundled	1	\$335.00	Ideal for test and development environments where quick spinup and spindown of different environments might be required. Also, ideal for rush production deployments.
RAM (\$1.70 per GB)	4	\$13.60	
Usable Storage (\$0.10 per GB)	800	\$80.00	
Additional Backup Storage (\$.13 per GB)	0	\$0.00	
<b>Total per Month*</b>		<b>\$428.60</b>	

Tier 3 COV Domain Private Cloud	Quantity	\$ / Month	VA Agency Uses
CPU/Core, OS & Firewall Bundled	1	\$365.00	CyberData's Private Cloud provides COV Domain Agencies with a firewall and servers dedicated to their applications and requirements.
RAM (\$1.70 per GB)	4	\$13.60	
Usable Storage (\$0.10 per GB)	800	\$80.00	
Additional Backup Storage (\$.13 per GB)	0	\$0.00	
<b>Total per Month*</b>		<b>\$458.60</b>	

Tier 3 Dedicated Server	Quantity	\$ / Month	VA Agency Uses
CPU/Core	1	\$224.00	Ideal for applications and production environments requiring dedicated servers, including payment processing, mission-critical applications, data & access security sensitive requirements.
OS & SQL	1	\$440.00	
RAM (\$1.70 per GB)	4	\$13.60	
Usable Storage (\$0.10 per GB)	800	\$80.00	
Additional Backup Storage (\$.13 per GB)	0	\$0.00	
<b>Total per Month*</b>		<b>\$757.60</b>	

### Options

Domain Name Hosting  
 FTP Accounts Setup & Access  
 Fully Managed Support Options  
 Storage Space  
 Flexible Billing Options (ie. Quarterly or Annual)  
 Flexible Backups & Data Retention Options (Tape backup, Hot Sites etc Retained for XX Days)  
 Web Traffic Analytics & Stats  
 Shared Switch Services  
 Dedicated Switches - Single Switch  
 Dedicated Switches - Redundant Switches w/ Automatic Failover  
 Shared Firewall Services  
 Dedicated Firewall - Single Firewall  
 Dedicated Firewall - Redundant Switches w/ Automatic Failover  
 Shared Web Load Balancing  
 Dedicated Web Load Balancing - Single Load Balancers  
 Dedicated Web Load Balancing - Redundant Load Balancers w/ Active Redundancy  
 Data & Application Synchronization Services  
 Dedicated Backup Services  
 Managed Frame Relay Services

\* Does not include setup fee which is based on specific scope of work. All prices subject to change - contact CyberData for quote.

### Notes:

1. CyberData can provide Tier 1 capabilities upon request, however, we do not recommend it for State of Virginia requirements.
2. Tier 2 and Tier 3 Hosting are nearly identical except for Tier 3 provides concurrent maintenance to reduce downtime. Because the cost structures are similar, CyberData provides Tier 3 capabilities.
3. CyberData can provide Tier 4 Hosting upon request. This is ideal for Agencies with high level of security needs and requires multiple, independent and physically separate systems.