Washington State Cloud

Virtual Server Hosting

What is it?

Washington State Cloud service offers customers a Multi-Tenant Infrastructure-as-a- Service (IaaS) cloud located within both the State Data Center and the Quincy Data Center.

The environment was built to:

- Provide lower costs through economies of scale for hardware, software and networking
- Lessen technical burdens of the hardware, hypervisor, networking and security administration
- Provide a secure infrastructure built to a high level of compliance
- Provide all agencies with cutting edge hardware and software technologies
- Allows rapid deployment of virtual servers without the worry of physical resource availability

What is a Multi-Tenant Cloud?

Each customer in a cloud has their own environment which has resources you can build, change, and use as you see fit – within the limits, quotas and rules agreed to by the customer when the environment is built. Those environments are never visible to anyone else, even when sitting on the same physical resources as everybody else. Access to your environment is limited to your designated administrators and the cloud administrators, although the cloud administrator is very limited in what they can do within your environment. Segregation in the cloud is done by isolating traffic to VLAN's and subnets, as well as by requiring digital keys and key-pairs to gain access.

You also share resources with all the other customers of the cloud – like physical storage, networking bandwidth, etc. While you're not necessarily aware that you're sharing them, or have any idea what they look like physically, you and everyone else in that cloud use them cooperatively. Your usage is metered and billed to your Agency billing code, as per your agreement with the cloud service owner, on a monthly basis.

How does it work?

Using a self-service portal, customers have on-demand access to a shared pool of compute resources that can be rapidly provisioned and released as virtual servers on a pay-as-you-go basis.

Features

- Automated Self-Provisioning
- Upgradable/Down-gradable VM Resources
- On-Demand Instances
- Cloud Servers in both Olympia and Quincy to support disaster recovery needs
- Windows Servers with Licensing Included
- Linus Servers using CentOS or Redhat
- VM Snapshots
- 10Gb Host Networking
- Supports EAD Authentication for Management
- Data stored on State maintained equipment
- Highly available hyper-converged clusters in an N+2 configuration
- Dynamic Load Balancing
- Automated hardware failover
- Environment can evolve to comply with future OCIO Security Standards
- Internet-facing PGN networks available
- SGN Connectivity without VPN
- Trend Deep Security Firewall Available
- Anti-Virus/Anti-Malware Software Available
- Intrusion Prevention Software Available
- Disaster Recovery Service to the Quincy Data Center Available

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The Washington State Cloud Service supports pay-as-you-go for on-demand virtual machines in a dedicated Virtual Data Center (VDC).
In the pay-as-you-go model, resources are allocated per workload, rather than an upfront allocation.

What is the cost?

Pay-as-you-go is calculated on an hourly basis and depends on the resources, up to a monthly maximum.

vCPU (per Core)	$43.00
Memory (per GB)	$9.00
Storage (per GB)	$0.10

What are the basic requirements?

The first step to becoming a Washington State Cloud Service customer is to confirm that the basic requirements are met. They include:

- Have a signed Master Service Agreement (MSA) with WaTech
- Connectivity to the State Government Network (SGN)
- Member of the WaTech Enterprise Active Directory Forest (EAD)
- Windows 2008R2 or above

How do I get started?

It's easy! Once you've confirmed you meet the basic requirements, download and complete the Customer Interest Form at:
http://watech.wa.gov/sites/default/files/servicecatalog/cts-cloud-custinterest-form.docx
Next, forward it to the WaTech Service Desk at support@watech.wa.gov to open a Customer Service Request Ticket. Our experts will contact you for a consultation, then take it from there!
Find out more!

For more information on WaTech's products and services, check out our Service Catalog at:
http://watech.wa.gov/solutions/it-service