

# ToggleBox Case Study

By

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Custom Cloud Computing for

Website Hosting and IT Infrastructure

SSD Powered Clouds | Easy-to-Use Dashboard | 24/7 Tech Support

# ABOUT US

Datacenter

Technology

Mission



# Our Datacenters

## Location

Togglebox is proud to offer services out of our Dallas, Texas and Philadelphia, PA location at the [Tierpoint Dallas facility](#).

## Enterprise Connectivity

All of our connections are kept at a low utilization to allow high bursting and resistance to denial of service (DoS) attacks.

## Smart Routing & Proactive Management

The network makes use of InterNAP Flow Control Platform (FCP) intelligent BGP to provide smart routing across the global internet. FCP adaptive networking software provides adaptive management for network infrastructure.

## Gigabit Connectivity to Multiple Carriers

Togglebox datacenters all feature multiple gigabits of connectivity to multiple “Tier 1” backbones to handle even the most demanding needs.



# Our Technology

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## OnApp Powered

OnApp Cloud powers our core and provides a comprehensive list of features.

High Availability, Availability Zones,  
Auto-Scaling, Load Balancing, Utility  
Billing, it has it all!



## StorPool Distributed Storage

We use redundant, high-performance, distributed SSD SANs. Due to the distributed nature, performance is ensured to scale with capacity avoiding the “overloaded SAN” problem many providers have.



## Instant Scalability

Upgrade or downgrade resources on-demand. Empower your cloud with true scalability while never overpaying. If only you could pick your own price on everything in life!

# Our Mission

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- Togglebox provides high performance, highly customizable cloud hosting for those seeking the highest level of customer service, and performance, without overpaying for cutting edge server technology.
- Our highly knowledgeable staff is here to help you find the perfect cloud solution for your project, and our support teams are always there to assist should any questions or problems arise with your servers.
- At its core Togglebox is powered by the OnApp Cloud and powerful, redundant Storpool SANs. We have taken our proven technologies, ideologies, policies, and staff and combined them with fresh ideas to bring you Togglebox, our next-gen cloud hosting system.
- Togglebox is a brand of TekTonic, which began offering cloud hosting before the market became popular. Togglebox was brought about by the desire to offer new technologies without introducing radical change to our current customers.



Cloud VPS Hosting

Automated  
Container Hosting

HOSTING SERVICES and FEATURES

# Cloud VPS Hosting

## Custom Infrastructure-as-a-Service (IaaS)

Cloud VPS provide an excellent hosting platform for web sites and services, Windows desktops, and development environments. Each server is an isolated environment with its own resources, IP address, and full admin access. A wide variety of Linux, Windows and FreeBSD templates are available, or you can create servers from your own ISO or OVA files. Manage your servers from our intuitive UI, with support available 24x7x365 on our Live Chat if you need assistance.

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**Support:** Managed

**OS:** Linux / Windows / FreeBSD

**High Availability:** SSD SAN

**Admin Access:** Root / Administrator

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**Strengths:** High Availability, Custom Resources, Supports Multiple VPS

**Recommended For:** Hosting multiple domains, mail servers, Windows desktops, development

*"In every size deployment our dev team came up with, Togglebox was the best value."*



# Automated Container Hosting

## Next-Gen Platform-as-a-Service (PaaS)

Automated container hosting gives you the ability create and manage applications clusters without any coding or APIs. You can easily deploy Java, PHP, Node.js, Python, .NET, Docker and Kubernetes clusters. Automatic scaling lets you choose your limits and only pay for what you use.

*"Deployments are much, much easier now - which let us focus more on developing features."*

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**Support:** Managed

**OS:** Linux (custom)

**High Availability:** SSD SAN / RAID Cluster

**Admin Access:** Root

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**Strengths:** Application Hosting, Database Clusterization, Automated DevOps

**Recommended For:** Mission critical application environments, Clustered Wordpress, Clustered databases, Kubernetes, Docker, development

# Cloud Hosting Features



## Instant Setup

All new accounts are automatically provisioned and available for use minutes after ordering.



## SSD San Storage

Blazingly fast SSD San Storage provides high IOPS for the best performance.



## Supports Windows and Linux

Blazingly fast SSD San Storage provides high IOPS for the best performance.



## DNS Hosting

Host unlimited domains on our redundant DNS servers, built directly into your control panel.



## High Availability

The cloud operates as part of a cluster. If a node in the cluster fails your Cloud Server is automatically started on a standby node.



## Free Migration Assistance

Changing hosting doesn't have to be a hassle. We are more than happy to assist in moving your data from your old web host.



## 7 Day Money Back Guarantee

Not sure about us? We offer an unconditional 7 day money back guarantee.



## Fine-Grained Resource Control

Every ToggleBox cloud is 100% custom. Start with our base configuration and add the resources you need. If your application is RAM-intensive, there is no reason you also need to purchase a lot of disk space.



## Admin-Level Support

We don't give you the keys and let you crash. Our expert support is available should you encounter any problems.



## KVM Virtualization

We utilize KVM virtualization for great performance and reliable service. All virtual servers have their own private virtualized hardware and network interfaces.



# CLOUD

Cloud Vps

DRaaS

RDP

Vps Pricing

Support

# Managed Cloud VPS

High Performance, High Availability Cloud VPS Hosting Powered By Industry Leading Distributed SSD Block Storage

## High Availability Cloud VPS

Better uptimes and performance than traditional VPS hosting

Togglebox Cloud VPS provide high performance, high availability hosting for large and small businesses, developers, and hobbyists. Performance and uptimes are delivered by powerful compute and state-of-the-art distributed SSD block storage.



## Custom Cloud VPS

A more cost effective hosting plan

Cloud resources are flexible and can quickly be changed at any time to perfectly match your dynamic hosting needs. You are not locked in to any contracts or commitments.

Custom Cloud VPS



Pay For What You Need

Pre-made VPS



Pay For unnecessary Resources

# Disaster Recovery Cloud VPS

High availability Cloud VPS combined with instantaneous, atomic hourly backups. Protects production servers, and important data against data loss from Malware, Ransomware, and more.

## Disaster Recovery as a Service

Disaster Recovery as a Service is a cloud computing and backup service model that enables you to protect your servers, data, and company from costly disruptions due to downtime events; Including malware, ransomware and human error.



# Windows RDP Cloud VPS

Easy-to-use Windows desktop on a Cloud VPS

- ★ SSD SAN Storage
- ★ Migration Assistance
- ★ High Availability
- ★ Managed Service
- ★ Admin Access
- ★ Server 2012

## Windows RDP for Shared Desktops, Applications and Browsing

Togglebox Windows RDP desktop Cloud VPS are perfect for those who want to run Windows desktop applications or just browse the internet. Each server has its own dedicated resources, including a static IPv4 Address, and gives you full Administrator access to the system.





# Cloud VPS Pricing

Comparing Billing Types and Plan Levels

|                   | Unit                              | Post-Paid    |           | Pre-Paid |          |          |           |
|-------------------|-----------------------------------|--------------|-----------|----------|----------|----------|-----------|
|                   |                                   | Hourly       | Avg Month | 1 Month  | 3 Months | 6 Months | 12 Months |
| RAM               | 1 GB                              | \$0.00284    | \$2.05    | \$1.90   | \$5.41   | \$10.26  | \$18.24   |
| CPU               | 1 core                            | \$0.00556    | \$4.00    | \$3.75   | 10.68    | \$21.60  | \$38.40   |
| SSD               | 1 GB                              | \$0.0002083  | \$0.15    | \$0.14   | \$0.40   | \$0.75   | \$1.34    |
| SSD + DRaaS STD   | 1 GB                              | \$0.00041666 | \$0.30    | \$0.30   | \$0.86   | \$1.62   | \$2.88    |
| SSD + DRaaS ENT   | 1 GB                              | \$0.00097222 | \$0.70    | \$0.70   | \$2.00   | \$3.78   | \$6.72    |
| Off-Cloud Backups | 1 GB                              | \$0.0000973  | \$0.07    | \$0.07   | \$0.20   | \$0.37   | \$0.67    |
| IPs               | Each                              | \$0.0013889  | \$1.00    | \$1.00   | \$2.85   | \$5.40   | \$9.60    |
| Bandwidth         | 10TB Outbound / Unlimited Inbound |              |           |          |          |          |           |
| Overages          | 1 GB                              | \$0.02       |           | \$0.02   | \$0.02   | \$0.02   | \$0.02    |

# Managed Support

Server support is available in realtime 24/7/365

When you run into a problem, or get stuck, you can rely on our 20+ years of deploying, diagnosing, repairing, and tuning virtual servers to quickly address the situation.

Our support covers:



Initial Setup



Migration Assistance



Server Performance Tuning



Server Investigations



Minor Software Updates



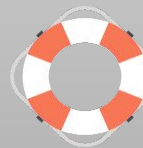
DNS Management



SSL Installation



Control Panel Support



24/7/365 Live Chat Support

PaaS

Cloudlets

ADC

Managed Platform-as-a-Service

# Managed Platform-as-a-Service (PaaS)

## Scalable Application Hosting with Automated Containers

Easily deploy Java, Node.js, PHP, Ruby, Python, .NET applications, Kubernetes, and Docker with custom load balancers and auto-scaling.

Pay-Per-Usage billing lets you set your limits and only pay for what you use. Automated Orchestration lets you focus on growing your business.



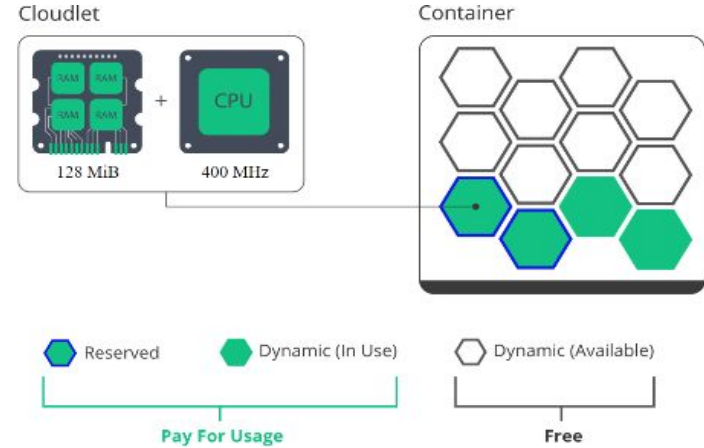
- Deploy Fast
- Code-Free Autoscaling
- Load Balancers
- Powerful SSD Storage
- Disaster Recovery
- 24/7 Support



# Cloudlets & Pay-Per-Usage Billing

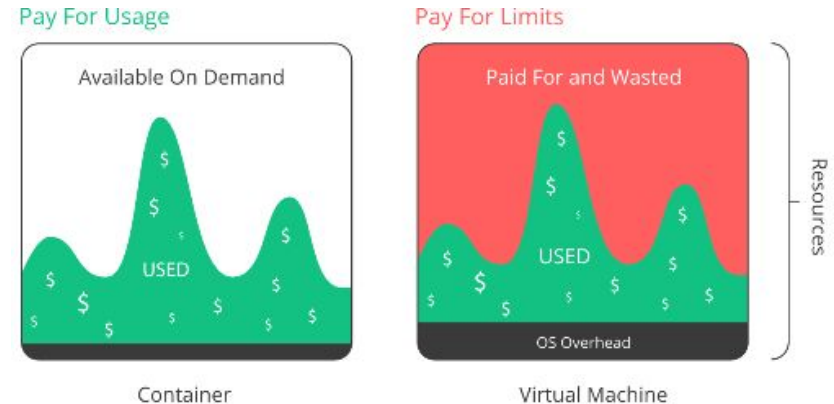
## How it works

Togglebox Jelastic PaaS containers are divided into granular units called Cloudlets. Each Cloudlet is 128MiB of RAM and 400MHz of CPU.



## Why it's better

Our PaaS Containers can scale Cloudlets (RAM & CPU) as needed by your applications, without any downtime, within your predefined limits. You only pay for what you actually use inside the limits, keeping your operating costs ideal and predictable at all times while handling all application loads.



# Managed Database Clusters

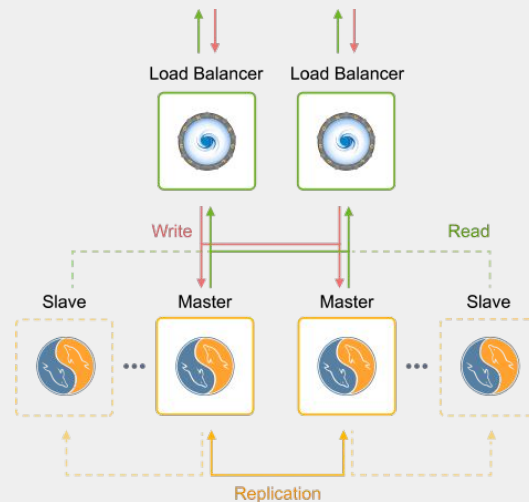
High Performance, High Availability database clusters with automatic topology deployment, horizontal and vertical auto-scaling.

## Automatic Database Clusterization

Database clusterization is a common roadblock in application scaling. However, it is also central to scalable, and highly available apps. Typically, creating a functional, fault-tolerant cluster is a very challenging process and a large time investment. However, with Togglebox PaaS you can create auto-scaling database clusters that work out of the box with no coding changes.

## Benefits of Database Clusters

- **Pre-configured Replication**
- **Effective Load Balancing**
- **Scalability & Auto-discovery**
- **Automated failover**



DRaaS Backups

Manage Virtual Router

VPNs

Firewalls

DNS Failover

SOLUTIONS

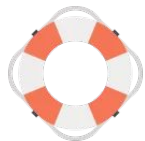
# Managed Disaster Recovery Backups

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## Fully Managed

Backups and restores are fully managed. Whether you're backing up local or to another datacenter, we will handle it all.



## Reliable Disaster Recovery

No pre-purchased backup disk is required, and no software is required on the server. Instant backups that are truly reliable.



## Multiple Backup Locations

Backups can be made in the same datacenter or another datacenter for extra disaster recovery options



## Instant Backups & Restores

Backups and restores are instantaneous. You don't have to wait for large disks to restore!



## Atomic Snapshots

Backups run instantly across all disks on your server, ensuring consistent data every time.



## Granular File Retrieval

Individual Files and Folders can be retrieved quickly without overwriting any files on the server.

# Managed Virtual Routers

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Our pfSense based VPN service allows you to have multiple compliant IPsec Virtual Private Network tunnels. pfSense is your best bet for network routing, firewall, and VPN functionality. Plus, with Managed Support our Support team will setup and perform the initial configuration your virtual router.

Minimum Server Requirements: 1GB RAM, 1 CPU core, 20GB Disk Space, 20GB Backups.

## Two Configuration Modes: Site-To-Site or Remote Clients

Site-to-Site

Remote Client

### Standard Features



Managed Support



All Managed VPN features



Supports NAT and reverse NAT



All Managed Firewall features

# Managed VPNs

Highly secure and cost effective, our pfSense firewall and routing platform delivers a rock solid VPN which supports IPSec, Routed IPSec (VTI), OpenVPN, PPTP, GRE, BGP. It also has AES-NI Support for increased performance. Togglebox VPN service is included as part of Managed Router and can encrypt traffic between IPsec compliant devices while providing secure access to servers for an authenticated user base. We hope you will find us to be the best, competitively priced, and most helpful VPN service available.

## Setup Assistance

pfSense has a web interface for setup and configuration of your VPN solution. If you have any questions, let support know and take advantage of our expertise. We are available to help you setup your Site to Site or Remote Client VPN efficiently. Visit our Support page for further information.





# Managed Firewalls

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Protect your servers and secure your private network with a dedicated virtual Firewall. Our IPsec compliant Stateful firewall is also included as part of our Managed Virtual Router service. These robust firewalls allow for Time based rules, Traffic Shaping, GeoIP blocking, and Anti-Spoofing.

## Standard Features

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- |                      |                             |
|----------------------|-----------------------------|
| ✓ Managed Support    | ✓ Increases Server Security |
| ✓ Free Consultations | ✓ Dedicated Firewall        |
| ✓ Scalable Resources | ✓ Custom Firewall Rules     |

# DNS Failover

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Add geographic redundancy and load balancing to your servers without complicated setups, special development, or complex software. DNS Failover keeps your sites and services online in the event of complete failure of a cloud location, and allows for easy load balancing between data centers.

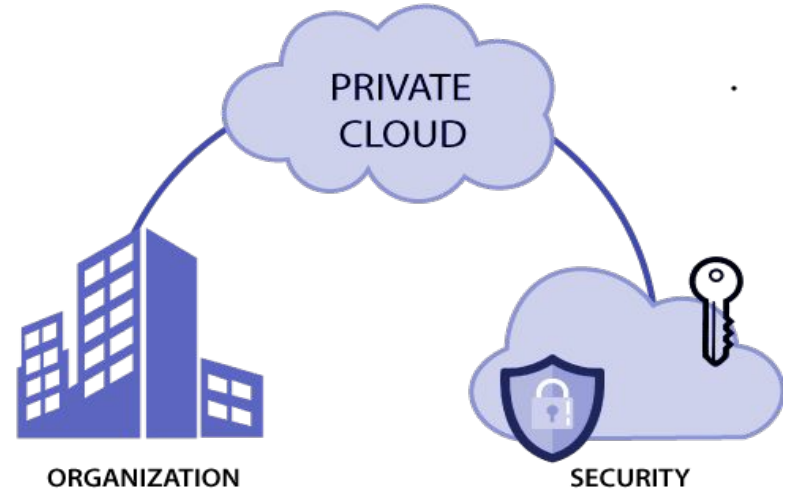
Monitoring servers check if your IP is responding correctly to PING, HTTP(S), DNS, TCP, or UDP requests. If your primary IP fails to respond, your DNS is instantly updated on all Togglebox DNS servers globally. Traffic will then point to a working standby server, or the IP Address of the failed server can be removed from your active cluster.

## Standard Features

- ✓ Managed Support
- ✓ Free Consultations
- ✓ Increases Server Security
- ✓ Dedicated Firewall
- ✓ Scalable Resources
- ✓ Custom Firewall Rules

# Private OnApp Clouds

Deploy and maintain your own servers with your very own Private Cloud and OnApp control panel.



# Private OnApp Clouds

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Deploy and maintain your own servers with your very own Private Cloud and OnApp control panel.



## Dedicated Hardware

Dedicated resources ensure that your data is secure as well as supports strict change control, security and compliance needs.



## Private Networking

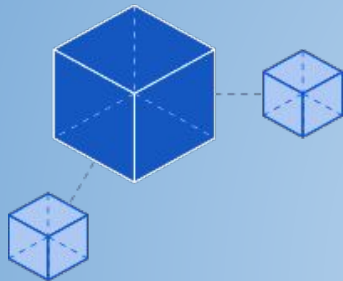
Private Networking available for all Private Clouds, ensuring the highest level of network security.



## Security

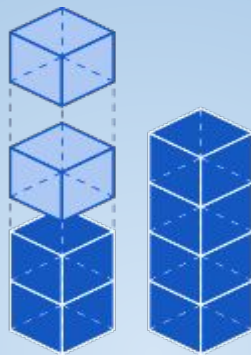
Dedicated resources ensure that your data is secure as well as supports strict change control, security and compliance needs.

# Togglebox Cloud Servers can scale to any project's needs.



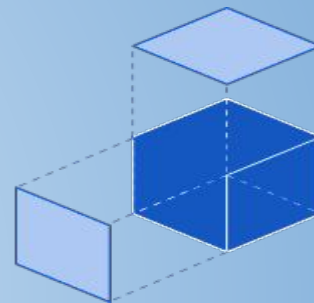
## High Availability

Using a centralized storage architecture, if any hardware fails your cloud server is started up on spare hardware nodes.



## Virtual Datacenter

You have full control how to use your purchased resources. Create one server or dozens. It's like having your own virtual datacenter.



## Instant Scalability

Scale your resources quickly, or configure auto-scaling — your servers grow automatically as resources are needed.

# The Togglebox Difference

## The Pursuit of Better Hosting

For over 20 years we have proudly developed exceptionally reliable and performant hosting. Our expertise is what companies rely on to ensure their hosting infrastructure is operating at its peak — and goals are continually met or exceeded.

Our custom hosting services can be scaled to fit large scale corporate and SMB infrastructure, as well as small hobbyist and developer sites. Similarly, we offer a wide variety of enterprise services to tailor your hosting suite to your exact needs.

All of this is backed by 24/7 real-time support with our 100% in-house support team. We're always here if you have questions.





# CASE STUDIES

## DESKULOUS

Cloud based RDC built by  
IT Pros for IT Pros



## NOLOGY

Simply making IT  
work



# References...

- <https://www.togglebox.com/>
- <https://www.togglebox.com/about/#>
- <https://www.togglebox.com/cloud-vps/>
- <https://www.togglebox.com/paas/>
- <https://www.togglebox.com/managed-backups/>
- <https://www.togglebox.com/private-clouds/>
- <https://www.togglebox.com/database-clusters/>

The image features a teal background with a dense distribution of small, multi-colored confetti pieces (red, yellow, blue, pink, and orange) that appear to be falling. The text "Thank You.." is written in a white, elegant script font with a thin black outline. Below the text, there is a faint, semi-transparent reflection of the same text on the teal surface.

*Thank You..*