



ENLIVE CLOUD Summary

Terrence A. Lovett, CEO, ENLIVE tv Services, LLC.
E- terrence@enlivetv.com P-720-275-5387 www.EnLiveTV.com



A Problem Not Solved

In 2018 We had these Problems:

- Datacenters use too much power
- Datacenters produce too much heat
- Datacenters cost too much and may not gain ROI

Today We have these Problems:

- AI Datacenters use too much power and may drive up electricity costs for surrounding communities
- AI Datacenters produce too much heat and use too much water
- AI Datacenters cost too much and may not gain ROI



Our Solution

Distributed Cloud

- Minimizes Resource Placement within Datacenters using less resources
- Moves excess work to edge computers
- Pushes minimal power usage to the edge supported by clients and users
- Removes the limit on usage growth without increasing costs
- Lowers the costs of deployment
- Lowers the costs of security
- Lowers the usage of power and minimizes heat production



ENLIVE Distributed Cloud

Our Initial Build – Which is easily modified for Specific Compliance

The Central computer is a HPE Server dual chip with 24 threads and 48 Cores. It's the main processor and data endpoint, which run on Rocky 10.1 OS, Flash storage for hot data, ZFS for cold data, 2 firewalls, high thru-put tuning, Fail2ban intrusion prevention, Open Source Tailscale handling distributed node infrastructure with Headplane monitoring, eBPF Extended Berkley Packet Filtering and reporting.

The Edge Node is a Mini Server PC with 4 threads and 8 cores running Ubuntu 24.04 Lts on a 500GB dedicated SSD and Dedicated Secure Docker 1TB SSD volumes and data is encrypted with LUKS v2.

The Central Computer communicates over a Mesh VPN described as a LAN at-a-distance, designed to be **INFINITELY EXPANDABLE**. It is a network of computers controlled by a central computer with computing, processing and storage at the center and on the edge. It is Internet-of-Things as a private cloud, but with the processing power and electricity usage of a laptop. Placement can vary across a variety of facilities.



ENLIVE CLOUD Solution

Our Central Computer

ENLIVE
CLOUD
CONTROL



- HPE Gen11 Server
- 2x - Intel Processors
- Dodeca-core - 12 Cores /24 Threads
- Base Frequency - 2.4 GHz
- Max Turbo Frequency - 4.1 GHz
- PCI Express Lanes - 80 per processor
- 2x - Micron 32GB DDR5 RAM
- Rated Speed - 5600 MT/s
- Operational Speed - 4400 MT/s
- ECC Supported - Error correction, protects against bitflip / cosmic-rays
- Buffered Modules - Places a register on the RAM for enhanced stability and integrity
- Expandability - 16 total slots, two in use, 14 available
- x3 - HPE 1.2TB EG001200JWJNK
- SAS3 Speed - 12 Gigabits
- Small Form Factor - SFF 2.5in
- Spindle Speed - 10000 RPM



ENLIVE CLOUD Solution

Our Edge Nodes

ENLIVE
Distributed
Power



- CPU Speed - 2.1 GHz up to 3.7 GHz
- Cores 4, Threads 8
- Cache - 16 MB DDR4 2400 MHz
- Integrated Graphics Coprocessor - Graphics 8 Cores 1200MHz
- Memory - 16 GB RAM
- Storage 1 x 512GB PCIe SSD
- Storage 1 x TB SSD PCI 4.0 NVMe M.2 up to 6000MB/s
- Dual RJ45 LAN



Distribution Model

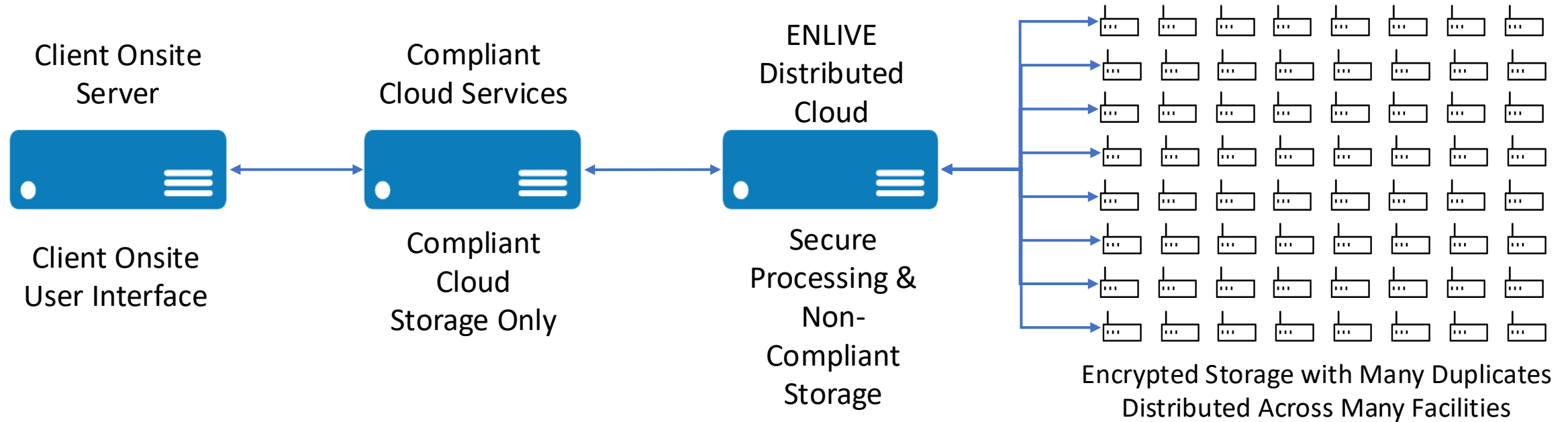
Terrence A. Lovett, CEO, ENLIVE tv Services, LLC.
E- terrence@enlivetv.com P-720-275-5387 www.EnLiveTV.com



Distributed Cloud Computing

COMPLIANCE FORMAT

*Unlimited Processing & Storage
For One Flat Rate*



Compliant Data Should Stay in Compliant Places, but Processing Generates Non-Compliant information which can be separated from its original data and then returned when needed. This reduces data processing and storage costs on Compliant Clouds, while expanding your processing capacity without expanding your costs on ENLIVE CLOUD.





Distributed Cloud Computing

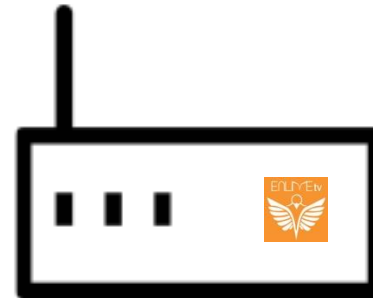
Our Distribution Model is to Map Our Cloud Nodes Behind a Signage Network
This is an effective option, but the Nodes can stand alone.

Signage is Extremely Useful, but can be Costly at Scale, usually requiring an advertising sales business to support the costs of Deployment

ENLIVE Signage Set-top-Box



ENLIVE Cloud Node



Cloud Nodes in the context of IoT are cost effective. AI has driven up the costs of Chips, RAM & Storage. A micro server is an efficient way to gain resources at reasonable costs and scale them without access issues.

An Affordable Signage Solution in exchange for housing our Distributed Nodes



Distributed Cloud Computing

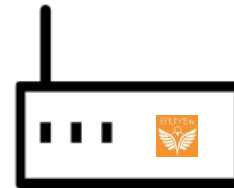
Our Ubiquitous Model is to Place Our Cloud Nodes Next to our Signage Network To Provide a Dual Usage which is Mutually Beneficial

We set up affordable scaled signage networks for clients who are in secured facilities with 24/7/365 security for Compliance Usage. We place the Nodes in the same place, so the client pays to both secure and power the Nodes.

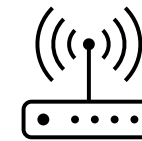
ENLIVE Signage Set-top-Box



ENLIVE Cloud Node



ISP



Possible Locations:

- Military Facilities**
- Embassies**
- Airports**
- Federal Facilities**
- Remote Infrastructure**
- Universities**

The Nodes only use as much power as a laptop computer. We lower the costs of signage deployment because the client is paying to power and secure the nodes. In the context of reasonable security this is an optimum way to secure data without increasing power and security costs.



ENLIVE SUMMARY

Terrence A. Lovett, CEO, ENLIVE tv Services, LLC.
E- terrence@enlivetv.com P-720-275-5387 www.EnLiveTV.com

ENLIVE CLOUD Opportunity

Our distributed cloud can be deployed “onsite” across military facilities or a large base. It is a cloud system which is everywhere and no where, hidden in plain sight.

Potential Uses: AI data mining, Modeling, Rendering, Scenario Processing, Growing Heavy Workloads, Service Platforms with limited Users, but immense data processing and storage needs.

Potential Users: Non-mission Critical teams with low priority access to the most powerful computer platforms. We give you the same power for a reasonable set price that will not increase as you become more effective.



TV Services
Business
Information

Contact us at 720-275-5387
www.EnLiveTV.com

