

## CHALLENGE

The company was looking for storage for a couple of Xen servers that were running their VMs as well as an easy backup, both local and off-site. They wanted to be able to back up their data from one geographical location to another.

## SOLUTION

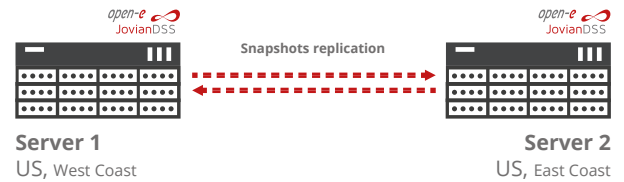
Two Open-E JovianDSS licenses served as part of this solution, where one was set up in an Office on the East Coast and the other was set up on the West Coast. Each NAS provided storage to a local Xenserver. Each unit was taking local snapshots and was also replicating them to each other. This approach allowed the customer to benefit from both on-site and off-site data protection.

**Total capacity:** 39.4 TiB (2 x 19.7 TiB)

**High availability:** No

**Disks type:** HDD/SDD

**Features:** On- & Off-site Data Protection



## STORAGE CHARACTERISTICS

For each of 2 servers

**Gross unformatted storage capacity<sup>1</sup>** 28TB  
(7 x 4 TB)

**Net unformatted storage capacity<sup>2</sup>** 24TB

**Gross formatted storage capacity<sup>3</sup>** 25.5 TiB

**Net formatted storage capacity<sup>4</sup>** 21.8 TiB

**Usable data storage capacity<sup>5</sup>** 19.7 TiB

<sup>1</sup> **Gross unformatted storage capacity:** The unformatted capacity of all disks, before RAID is applied.

<sup>2</sup> **Net unformatted storage capacity:** The unformatted capacity of all disks, after RAID is applied.

<sup>3</sup> **Gross formatted storage capacity:** The formatted capacity of all disks, before RAID is applied. This capacity is used to calculate the licensed capacity for RAID Z-1, Z-2 and Z-3.

<sup>4</sup> **Net formatted storage capacity:** The formatted capacity of all disks, after RAID is applied. This capacity is used to calculate the licensed capacity for mirrored arrays.

<sup>5</sup> **Usable data storage capacity:** The actual usable capacity that is exported to the storage client. It is the result of multiplying net formatted storage capacity with the pool max used capacity factor.

## HARDWARE

For each of 2 servers

Server	Nfina 714i20
Processor	2 x Intel® Xeon® E5-2603 v4
RAM	128GB RAM
HBA	LSI 9300-8i HBA
HDDs	7 x 4TB HDD for capacity (RAID Z1)
SSDs	2 x 400GB SSD for ZIL (RAID1) 2 x 400GB SSD for L2ARC (Singles for a total of 800GB)
NICs	2x 10GbE LAN (100/1000/10000)

## PARTNER

Open-E Platinum Partner

## CUSTOMER

Provider of homeland security and business continuity against a variety of frequent risks

## VERTICAL MARKET

IT Industry

## COUNTRY

The United States

## OPEN-E LICENSES

**Product** 2 x Open-E JovianDSS + 2 x 32TB

**Support** 2 x Standard Support

## DEPLOYED TO PRODUCTION

July 2017

## COST OF PROJECT

**Software** \$5 980

**Estimated hardware** \$30 000

**Estimated total** \$36 000