

ZADARA On Premise As-a-Service

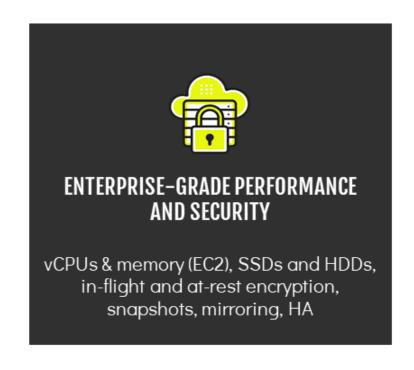
The power of enterprise infrastructure.

The agility of the cloud.



Enterprise Infrastructure "At Your Service"

Zadara delivers enterprise-grade infrastructure services - compute, networking and storage - in an agile model, with 24/7 expert management — leaving you free to focus on your customers.





AGILE, INFINITE RESOURCES PAY ONLY FOR USAGE

On premises, scale up or down, pay as you go, hardware upgrades included



EXPERT MANAGEMENT 99.999% UPTIME GUARANTEE

24/7/365 proactive support, seamless migrations and upgrades, backed by our 99.999% uptime guarantee



DATACENTER INFRASTRUCTURE IS COMPLEX

- x Islands of infrastructure with no ability to share capacity
- x Inflexible hardware that cannot be changed after deployment
- x Complex architecture that's difficult to support
- **x** Many management tools reduces operational efficiency
- x Limited scalability that require hardware changes
- x Disruptive refresh cycle every 5 years
- x Risky data migration during refresh
- x Expensive CAPEX investment





BENEFITS OF ZADARA

- One infrastructure platform for server and storage.
- One storage platform for Block, File and Object storage;
 supporting FC, iSCSI, NFS, CIFS, S3 and other protocols.
- Privacy, performance assurance and reliability across multitenants.
- Resilient infrastructure platform backed by 99.999% Uptime Guarantee.
- Extremely scalable, start small and grow to petabytes easily using the same hardware.
- ✓ Delivered on-premise at customer's own data center.
- √ Pay-per-use; no CAPEX investment, no leasing agreement.
- ✓ Multi-cloud ready.





ZADARA On Premise-as-a-Service

ZCOMPUTE

ZNETWORK

zSTORAGE



COMPLETELY ELASTIC CONSUMPTION-BASED USAGE

ZCOMPUTE SERVICES EC2 COMPATIBLE APIS

ELASTIC COMPUTE/VMs ELASTIC BLOCK STORAGE VPC

LOAD BALANCER

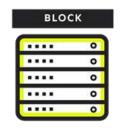


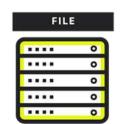


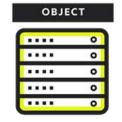




ZSTORAGE SERVICES

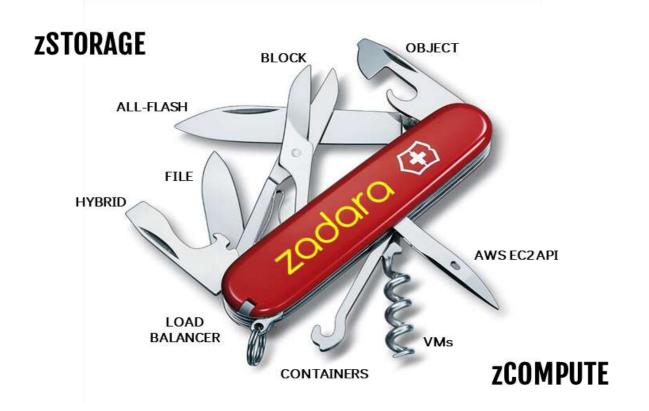








THE <u>DO-EVERYTHING</u> DATA CENTER INFRASTRUCTURE

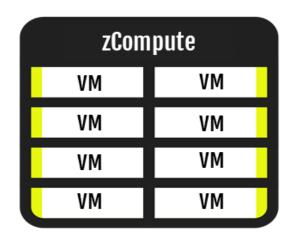


DELIVERED ON PREMISE, <u>AS-A-SERVICE</u>



zCOMPUTE

ELASTIC COMPUTE WHICH SCALES AS YOUR BUSINESS DEMANDS



On Premise, Colo, or Public Cloud

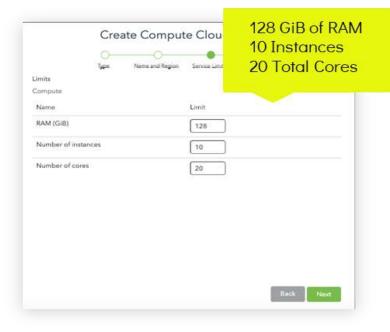
- Self Service Compute Provisioning
- Predefined & Fully-Customizable Instance Types (vCPU based)
- Autoscale groups
- Network and Application Load Balancers
- Run Standard MS and Linux workloads
- AWS EC2 compatible APIs
- Standard EBS (zStorage) for Boot and O/S drive



Choose your location: Enterprise Example



2. Define your Compute Resource Limits, and create VPC

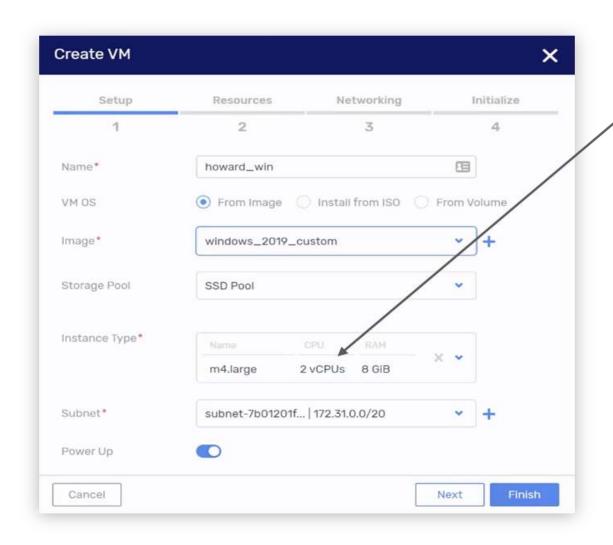


3. DeployyourzCompute





CREATE YOUR INSTANCES



Z4 MEDIUM	1 vCPU, 4 GB RAM	
Z4 LARGE	2 vCPU, 8 GB RAM	
Z4 XLARGE	4 vCPU, 16 GB RAM	
Z4 2XLARGE	8 vCPU, 32 GB RAM	
Z4 4XLARGE	16 vCPU, 64 GB RAM	
Z4 8XLARGE	32 vCPU, 128 GB RAM	
Z4 12XLARGE	48 vCPU, 192 GB RAM	
Z4 CUSTOM	n vCPU, m GB RAM	



zCOMPUTE PRICING			
Budgetary Rate Card Description of Services		On Demand	
Prices for North America		List P	rice
Elastic Compute Instances	1 vCPU= 1 CPU thread	HOU	RLY
Z4 medium	1 vCPU, 4 GB RAM		\$0.050
Z4 large	2 vCPU, 8 GB RAM		\$0.100
Z4 xlarge	4 vCPU, 16 GB RAM	2	\$0.200
Z4 2xlarge	8 vCPU, 32 GB RAM	3	\$0.400
Z4 4xlarge	16 vCPU, 64 GB RAM		\$0.800
Z4 8xlarge	32 vCPU, 128 GB RAM		\$1.600
Z4 12xlarge	48 vCPU, 192 GB RAM		\$2.400
Z4 custom	nMax vCPU, mMax GB RAM		
Elastic Storage Volumes			
EBS Volume (HDD)	per GB/mo (volume size + optional snap		\$0.080
EBS Volume (SSD)	per GB/mo (volume size + optional snap		\$0.160
Network			
Data Egress Fees	No Charge		
Data Ingress Fees	No Charge		
VPC	No Charge for 6 VPC's per region per a		
Elastic Load Balancing (ELB)	Charged as EC2 instances	EC2 Instan	ce
DNS	No Charge		

Z4 medium server (1vc x 4GB)

 $$0.05 / \text{hr} \times 730 \, \text{hrs} = $36.50 / \text{mo}$

EBS boot volume 20GB

\$ 0.160 /GB x 20 = \$3.20/mo

On-demand price \$39.70/mo

36-month commit price \$19.85/mo for end-user



MONITOR YOUR APPLICATIONS & CLOUD SERVICES FROM A SINGLE PLATFORM

With Zadara's web-based interface, you have the option to give your customers visibility into the services they consume:

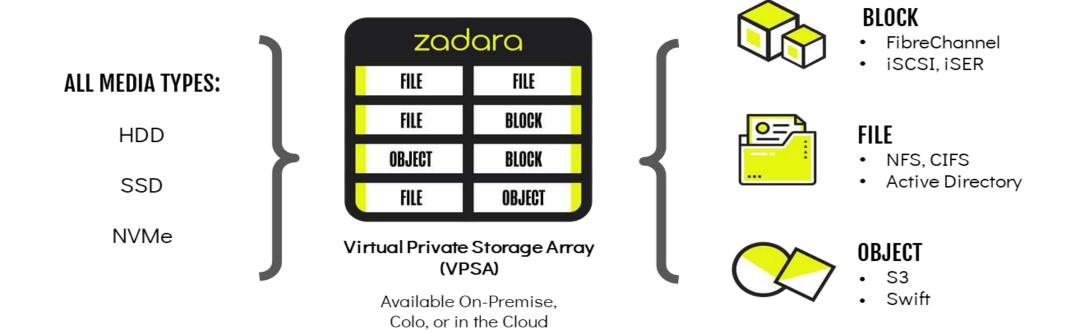
- Visualized Dashboard
- Automated Monitoring & Alerting
- Detailed Reporting





zSTORAGE

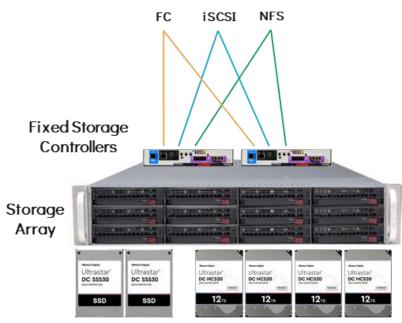
Zadara's **Virtual Private Storage Array (VPSA)** can be configured -- and re-configured -- on the fly for any storage workload. A single storage solution for: Any data type. Any protocol. Any location. Adjust on demand.





WHAT IS VIRTUAL PRIVATE STORAGE ARRAY (VPSA)?

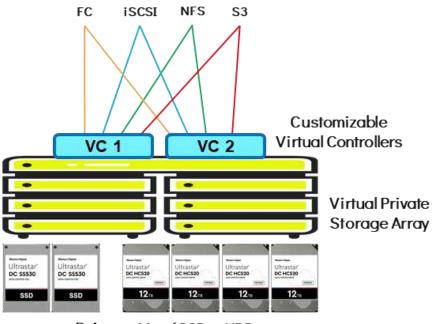
Traditional Storage



Drives - Mix of SSD or HDD

Shared by All Tenants

Zadara zStorage



Drives - Mix of SSD or HDD

Dedicated to One Tenant (Share Nothing Architecture)



POWERFUL CAPABILITIES. CAPABLY MANAGED.











Block, file and object storage

All-Flash + dedupe; SSD cache options

Thin provisioned volumes

Large volume sizes

NFS, CIFS (AD), FC, iSCSI, iSER











Multi-zone high-availability Non-disruptive upgrades

Remote mirroring

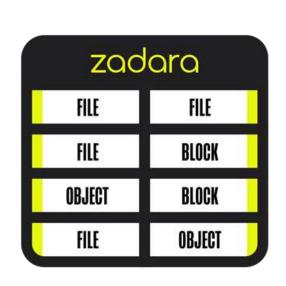
Cluster support

At-rest, in-flight data encryption

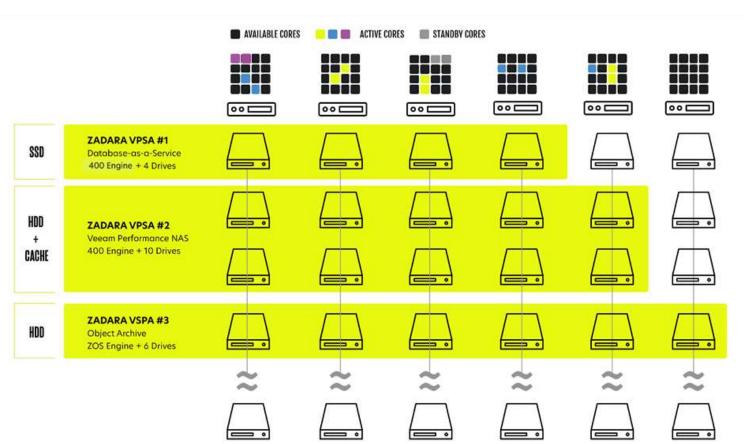


MULTI-TENANT EFFICIENCY IN A SINGLE-TENANT EXPERIENCE

Share Nothing – Dedicated CPU, cores, memory, drives, SSD cache. Elastic in all directions.



Virtual Private Storage Array (VPSA)





NO MORE WASTED SPEND—FREE UP YOUR CASH FLOW

Simplify your cloud. Increase productivity.

Decrease costs.

- Avoid large investments in your cloud infrastructure
- Convert CapEx storage and compute to OpEx
- Reduce storage administration costs; redeploy people to higher-value tasks
- Scale your storage & compute up or down as needed;
- Never pay for unused capacity

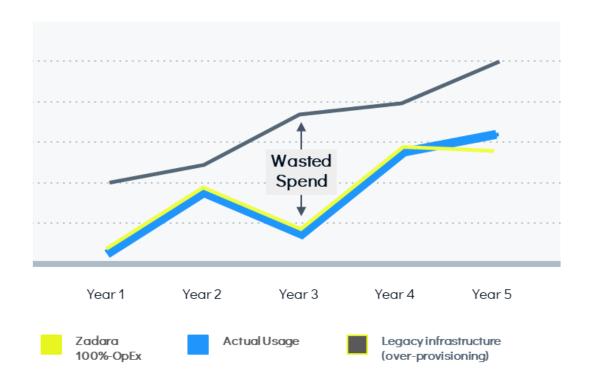
Series of Events:

Y1: Initial Need + Growth

Y2: Shrink (Lost Customer)

Y3: New Customer

Y4: Tech Refresh (e.g. dedupe)





THE CONTROL, PREDICTABILITY AND TRANSPARENCY YOU CRAVE

With Zadara's web-based interface, you have the option to give your customers visibility into the solutions you provide to them:

- Analytics, performance metrics
- Automated alerts
- Elastic provisioning
- Chargeback actual usage
- Add or reduce storage capacity as needed





SECURE ENCRYPTION, YOU CONTROL THE KEYS

Zadara OPaaS is built with security in mind. Your data is stored on dedicated hardware, and protected with in-flight and at-rest encryption using AES-256 encryption.

Also, because you manage your keys, only you control access to your data.

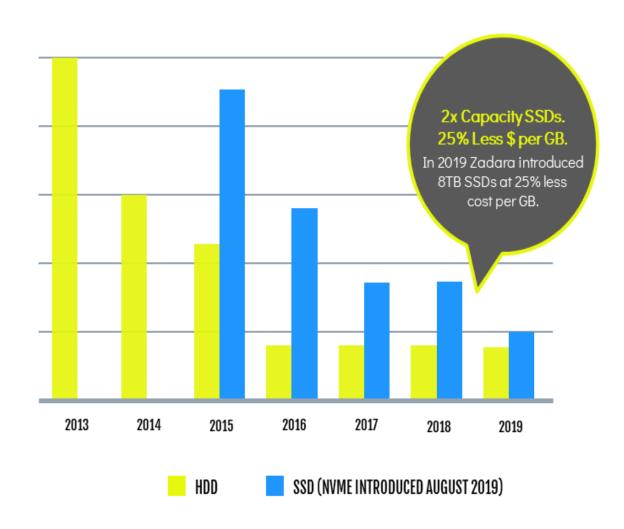




24/7/365 MANAGEMENT. 99.999% GUARANTEED.

- Live, proactive management 24/7
- 99.999%-uptime guarantee
- Notifications, alerts based on operating thresholds
- Periodic, non-disruptive hardware and software upgrades at No Cost
- Expert DevOps team builds solutions to solve both Compute and Storage challenges





REFRESH ON YOUR TIMELINE, NOT ON OURS

UPGRADE YOUR TECHNOLOGY, LOWER YOUR COSTS.

The prices per GB of HDDs and SSDs have decreased significantly over the last six years. As a Zadara customer you get to upgrade on demand and enjoy those cost savings.



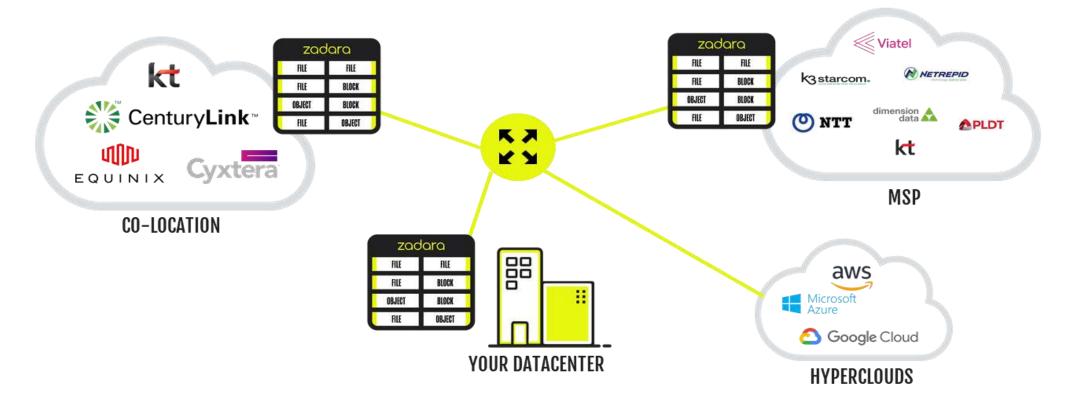
ZADARA ZSTORAGE VS OTHER STORAGE VENDORS

	Other Storage	Zadara z Storage
Commitment	Buy or 3-5 years lease	1-year
Finance Lease	Yes, 3-5 years	None
True Consumption-Based Payment Model	No	Yes
Modify/change Base after deployment	No	Yes
Modify/change Buffer	No	Yes
Order Only What You Need Now	No – Must Overprovision	Yes – Grow on Demand
Hardware Refresh after 5-years	New purchase/lease	Included
Migration services for refresh	Chargeable	Included
Zero downtime hardware refresh	No	Yes
Capacitymonitoring	No	Yes
Proactive addition of buffer	No	Yes

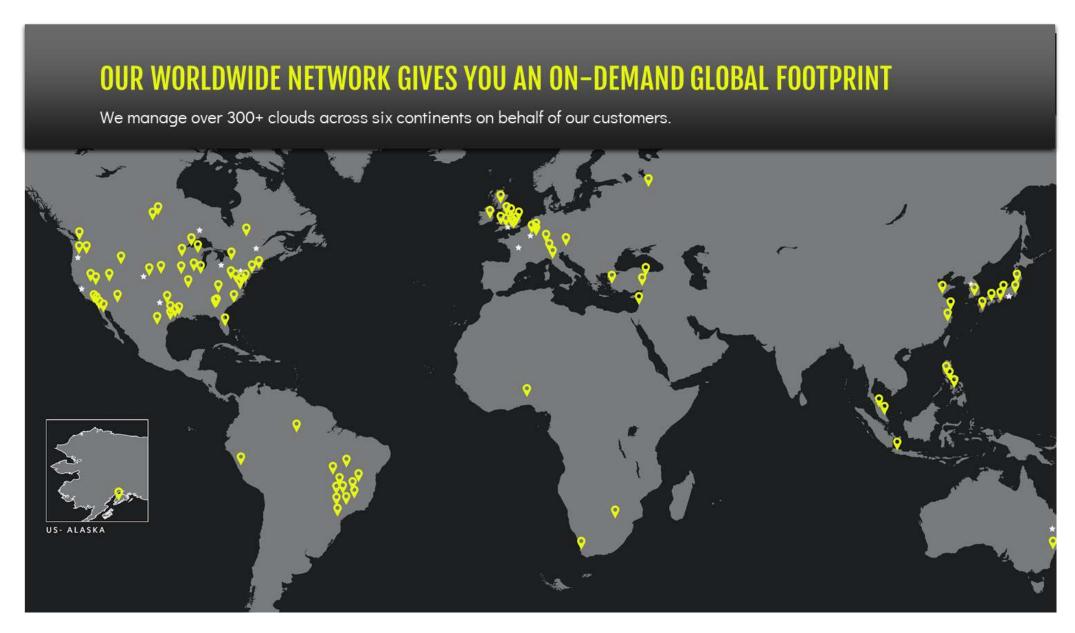


ZADARA IS AVAILABLE ANYWHERE. ON DEMAND.

The zStorage allows you to operate from anywhere to anywhere — in 300 global locations on premises, at colocation facilities, service providers and in public clouds.









ZADARA GLOBAL CLOUD PARTNERS

Hyperscale Public Clouds









Service Provider Clouds







































TRUSTED BY LEADING COMPANIES WORLDWIDE





























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