

# WHY MULTI-TENANCY SECURES YOUR BUSINESS APPLICATIONS

Multi-Tenancy keeps your key business applications running optimally and securely – discover how

In today's dynamic business landscape, organisations are challenged to deliver high-performance, cost-effective, and scalable solutions at the edge. The Zadara Edge Cloud Services platform is purpose-built to empower your business with Infrastructure-as-a-Service (IaaS) and Storage-as-a-Service (STaaS) capabilities that adapt to your unique demands. At the heart of Zadara's innovation is its advanced multi-tenancy model, enabling businesses to achieve unparalleled efficiency and control.

This brief outlines how you can incorporate a multi-tenant approach into ensuring your business applications and therefore your business operates optimally.

## BUSINESS CHALLENGES WITH IT INFRASTRUCTURE

- **Cloud Costs:** Controlling the costs of IT spend is increasing more difficult especially with Shadow IT sprawl
- **Business SLA's:** Controlling the speed of operation and meeting company objectives increasing difficult without quality-of-service controls
- **Data Security:** Organisations are increasingly under threat from Ransomware and other bad actors, keeping these threats out is getting harder, recovery takes longer than the business can sustain.
- **Skills Gap:** Organisations increasing the need to adapt but cannot find the people with the right skills, every business is forced to become an IT company.
- **AI Everywhere:** Everywhere organisation is afraid of being left behind, trying to keep ahead of changing business needs with AI is increasingly difficult.

## USE CASES FOR ADOPTING A MULTI-TENANT ARCHITECTURE

### Cost Control Through Multi-Tenancy

Zadara's platform enables organisations to achieve significant cost efficiencies by leveraging multi-tenancy to share infrastructure resources across multiple users while maintaining strict isolation. This model reduces hardware duplication, maximises resource utilisation, and lowers total cost of ownership (TCO), ensuring scalability without excessive expenditure.

### Enhanced Workload Isolation

Separation of duties and workload isolation are critical in a multi-tenant environment. Zadara ensures that each tenant's workloads are securely isolated, guaranteeing consistent performance levels and safeguarding sensitive data. This is achieved through robust software-defined controls that segment workloads while ensuring optimal resource allocation.

## SOLUTIONS OVERVIEW

### KEY USE CASES

- Control Application Costs
- Control Shadow IT Sprawl
- Improve Application SLA's
- Ransomware Mitigation
- Company M&A IT Changes
- Application Development
- Application UAT
- Infrastructure Automation
- Backup Testing
- Recovery Testing

### SOLUTION HIGHLIGHT SUMMARY

- Manage Cloud Costs Effectively
- Keep Application SLA's
- Adapt to Market Changes Easier
- Restrict Data Access for Compliance / Governance
- Protect Data Assets
- Dynamic Application Scaling
- Dynamic Storage Tiering
- Deploy AI Models Easily
- Enable IT to Focus on Business Needs
- Multi-Tenant, Multi-Location, Multi-Tier Capabilities

# DELIVER BETTER APPLICATIONS

## Software-Defined, Composable Resources

The Zadara platform introduces software-defined composable infrastructure, enabling businesses to dynamically allocate resources such as compute, storage, and networking on demand. This flexibility allows organisations to optimise resource usage, adapt to workload fluctuations, and scale efficiently with business demands.

## Simplified Edge Management

Deploying at the edge requires solutions that simplify management while enhancing performance. Zadara's multi-tenancy capabilities enable IT teams to centralise management, monitor resources effectively, and provide rapid responses to changing edge requirements. Its seamless interface and automation capabilities free up IT personnel to focus on strategic initiatives.

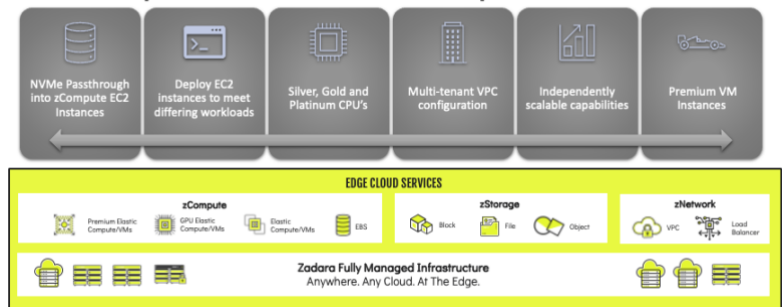
## Seamless Integration

Zadara integrates seamlessly with existing IT ecosystems, enabling organisations to leverage their current investments while extending their capabilities at the edge. Its open architecture supports a wide range of applications and workloads, enhancing operational agility. This enables you to be ready for AI / ML initiatives using standard frameworks and models such as Ollama, ONNX, Pytorch, Tensorflow and many other differing Edge AI use cases

## SOLUTION DETAILS

- Block, File and Object Storage Platform with Multi-tenancy as standard
- Choice of SSD and HDD media to meet different Application use cases and needs
- Integrated IaaS or HyperConverged Infrastructure capability with automation as Standard
- AWS API compatibility for seamless integration or migration from AWS environments
- Zero Trust Networking using established Cloud methodologies of Projects, VPC's, Subnets etc.
- GPU Options for addressing VDI and AI workload needs.
- OpenAPI (Swagger) or Infrastructure-as-Code (IaaS) deployment simplicity
- Strong Ecosystem of partners and deployment options

## Complete Multi-Tenant AWS EC2 Compatible Cloud Platform



## WHY ZADARA

In a rapidly changing world, Zadara provides you the freedom of choice; the choice to deliver the best applications for your business, using the most composable multi-tenant infrastructure services delivered as-a-Service to the location of your choice.

Whether you have a storage need, a complete infrastructure refresh or a hybrid project, talk to us and see what we can do to make you deliver your best solution.

# zadara

Your business depends upon its applications can  
your applications depend upon its infrastructure?

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