

Private Cloud General Purpose Compute

Accelerate innovation while maintaining control –
Telefónica Tech's Private Cloud for General Purpose
Compute aligns IT infrastructure with business priorities.



Cloud

What is Private Cloud Compute?

Our private cloud offering for General Purpose Compute includes x86 server hardware, software, and comprehensive installation and startup services. Delivered by our expert team, it offers a streamlined, repeatable deployment process and is built on proven technologies we've successfully used in bespoke solutions for many years.

Clients opt for private cloud rack and blade servers deployed either on-premises or in co-location datacentres to gain enhanced control, security, and performance. This approach reduces dependency on WAN infrastructure and offers greater cost predictability. Hosting servers on-premises ensures sensitive data remains within the organisation's facilities, supporting strict compliance and regulatory requirements. Meanwhile, private cloud infrastructure delivers the scalability and efficiency of cloud computing while maintaining the isolation necessary for dedicated workloads.

This model is ideal for organisations that require predictable performance and cost, low latency, and custom configurations. It also supports mission-critical applications and legacy systems that aren't easily migrated to public cloud platforms.

Benefits:



Streamlined Sales and Deployment

Pre-packaged solutions increase standardisation, accelerating sales cycles and enabling quicker and more effective deployments.



Predictable Performance and Cost

Private cloud infrastructure delivers consistent performance and cost transparency, ideal for a business-critical workloads.



Lower Operational Costs

Standardised configurations simplify support, reduce engineering requirements, and lower maintenance costs.



Reduced Complexity for Clients

Clients benefit from easier implementation with pre-configured solutions that minimise deployment risks.

Our Deliverables:

- › **Installation and Startup Services:** On-site deployment by Telefónica Tech experts, ensuring servers are operational and aligned with client requirements.
- › **Standardised x86 Server Infrastructure:** Provision of enterprise-grade rack or blade servers for General Purpose Compute workloads and applications.
- › **Pre-configured Software:** Delivery of validated and optimised software that can include provisioning, life cycle, and operational management tools.
- › **Handover and Knowledge Transfer:** Structured transition to client operational teams, including knowledge transfer sessions and detailed 'as built' or design documentation to support ongoing maintenance, troubleshooting, and compliance with regulations.
- › **Project Management Services:** Project coordination led by experienced Telefónica Tech project managers, ensuring timely delivery, clear communication, and alignment with client objectives throughout the deployment lifecycle.

Why Telefónica Tech?

Offering pre-packaged, repeatable solutions delivers numerous advantages for our clients.

These solutions streamline the sales process through predefined configurations, reducing the need for custom engineering, and so accelerates deployment timelines and decreasing price. Because these offerings are built around common requirements and rigorously tested, they simplify ongoing support and maintenance – ensuring consistent, reliable performance.

Our packaged solutions reduce the complexity, risk and cost associated with the procurement and implementation of new systems, as the specifications are pre-configured following industry best practices and optimised for efficient, dependable deployment and operation.

This strategy enables our clients to achieve faster time-to-value and to scale server compute in a predictable, manageable manner as their requirements evolve, ultimately enhancing client satisfaction and fostering long-term relationships.

Additional Services to Elevate Your Business

Datacentre Design and Implementation

The Datacentre Design service provides creation and implementation of highly resilient, often multi-site, private cloud datacentre platforms. Typically built to onboard existing or deploy new workloads and may underpin a Telefónica Tech IaaS offering or may be handed over to the client for ongoing management. Targeted at secure clients, workloads unsuited to the public cloud, network constraints, and customers with a preference for Private Cloud or Hybrid-Cloud solutions.

Key Features:

- › Support for single-site, multi-site, or geo-redundant configurations
- › Fault-tolerant design to ensure business continuity readiness
- › Physical and logical security architecture planning

Infrastructure Virtualisation

The Infrastructure Virtualisation service provides creation, implementation, upgrade, expansion and reconfiguration of virtual datacentre platforms. Typically, a highly available platform used to provide a solution on which to host virtual machines to run workloads. Often delivered as part of a wider Private Cloud Datacentre project but may be delivered in isolation.

Key Features:

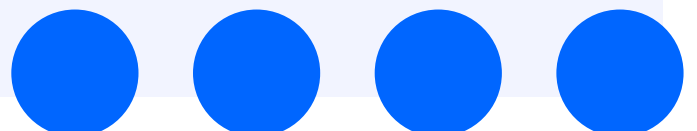
- › Support for various hypervisors
- › Clustering and failover setup to ensure continuous availability of hosted workloads
- › Designed for resilience with redundant compute, storage, and network paths

Workload Migration

The Workload Migration service provides migration of virtual machines between private cloud infrastructure. Typically used to migrate workloads from legacy to new compute resource or virtualisation platforms. Often delivered following a server infrastructure, infrastructure virtualisation implementations but may be delivered in isolation.

Key Features:

- › Support for various hypervisors
- › Scheduling and sequencing of migration tasks
- › Automated migration workflows



Remote Monitoring

The Remote Monitoring service provides monitoring for clients' private cloud infrastructure. This service ensures that clients' private cloud environments are proactively monitored, with an event escalation mechanism where detected issues or threshold breaches are pushed directly to the clients' operational teams. This allows clients to retain control over resolution workflows while benefiting from proactive monitoring from Telefónica Tech.

Key Features:

- › Proactive monitoring of private cloud infrastructure
- › Automated event forwarding to the clients' own service desk or ticketing system
- › Client ownership of resolution enabling internal teams to investigate and resolve issues independently

Remote Management

The Remote Management service provides support for managing and maintaining private cloud infrastructure. This service ensures that clients' private cloud environments are running smoothly and efficiently, with proactive monitoring and issue resolution from Telefónica Tech expert engineers.

Key Features:

- › Proactive monitoring and maintenance of cloud infrastructure
- › Rapid issue resolution and troubleshooting
- › Regular performance optimisation and updates



**Hewlett Packard
Enterprise**

Partner Expertise

Gold Solution Provider
Silver Solution Provider - Networking
Gold Service Provider
Delivery

DELLTechnologies
PLATINUM PARTNER

Leading the Way in
Digital Transformation
for our Customers

Telefónica Tech unlocks the power of integrated technology, bringing together a unique combination of the best people, with the best tech and the best platforms, supported by a dynamic partner ecosystem to make a real difference to every business, every day.