Telstra

Telstra Hybrid Cloud

Unlock the potential of an integrated, flexible and secure cloud environment

Maximising cloud strategy with the best of both worlds

Post pandemic-fuelled digital acceleration and supply chain disruption has driven the urgency for a **flexible and scalable future-fit infrastucture**.

80%
of survey respondents report having a hybrid cloud strategy*

* "Flexera 2022 State of the Cloud Report," , Flexera, 2022

Multi-cloud is still the **de facto standard**, with most taking a hybrid approach, combining

Private Cloud   **Public Cloud**

A key driver is the need for **greater agility to support new digital workplaces**, with most of the workforce working remotely and collaborating via cloud-based video platforms.

Top Cloud Challenges across the globe

Evolving digital strategy   **Maturing cloud management**   **Expanding commercial flexibility**
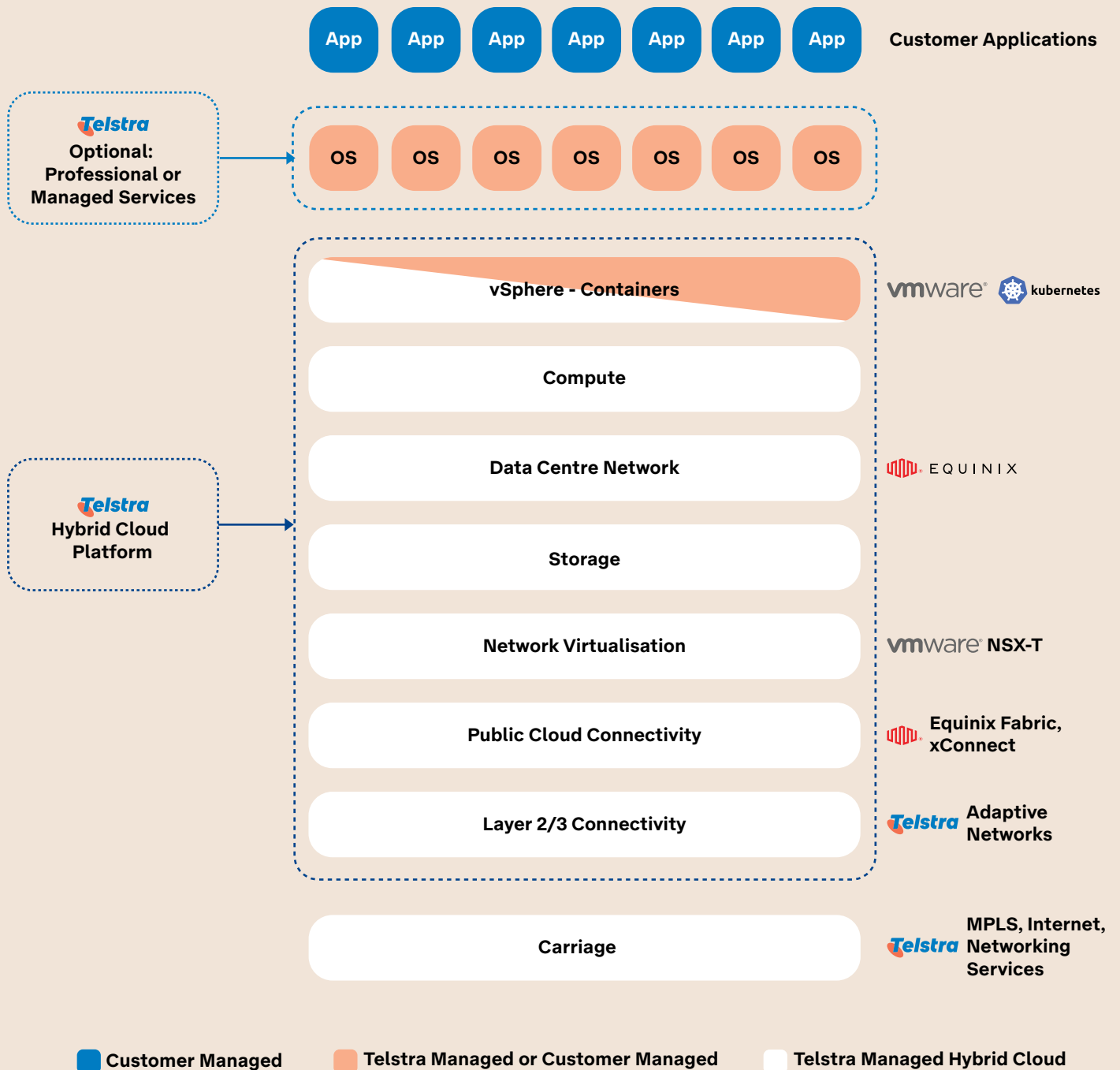
Developing a multi-cloud infrastructure today is complex due to supply chain disruptions, modernising legacy applications, requiring more flexibility in one's technology stack, safeguarding data security, and others. As enterprises grapple with compressed transformation timelines from years to months, 5G and emerging technologies present additional challenges. Data sharing, whether for analysis, telemedicine, or other uses, further propels hybrid cloud adoption.

What is Telstra Hybrid Cloud?

Telstra Hybrid Cloud, powered by Equinix, simplifies the cloud migration process for enterprises by alleviating cloud challenges. With our fully managed Telstra Hybrid Cloud solution, the provisioning process is streamlined with Infrastructure as Code, enabling customers to access the cloud in an efficient and secure manner. Powered by Equinix Metal®, a Bare Metal as-a-Service offering that is automated, interconnected, and low-latency, this solution provides an efficient and flexible global infrastructure. By utilising shared public cloud infrastructure, our hybrid cloud solution eliminates the need for legacy application support and dedicated hardware.

How does it work?

Your applications layer over Telstra Hybrid Cloud, which can be consumed in a secure cloud environment and be connected to public cloud services. The Telstra Hybrid Cloud is a solution that combines the benefits of on-premises and public cloud environments. It enables organisations to run their applications and data in both environments and seamlessly move between them as needed.

Customer Applications

App App App App App App App

Optional: Professional or Managed Services

OS OS OS OS OS OS OS

Hybrid Cloud Platform

Layer	Provider
vSphere - Containers	vmware®, kubernetes
Compute	
Data Centre Network	EQUINIX
Storage	
Network Virtualisation	vmware® NSX-T
Public Cloud Connectivity	Equinix Fabric, xConnect
Layer 2/3 Connectivity	Telstra Adaptive Networks
Carriage	Telstra MPLS, Internet, Networking Services

■ Customer Managed   ■ Telstra Managed or Customer Managed   □ Telstra Managed Hybrid Cloud

Telstra Hybrid Cloud is a key business enabler for those with legacy applications and are migrating to the cloud. You can benefit from Hybrid Cloud if you are managing heterogenous systems across legacy and cloud-native and/ or looking digital transformation. Telstra Hybrid Cloud effectively combines the flexibility and visibility of public cloud with the inherently secure private cloud to deliver a flexible and secure solution to meet the evolving business needs of globally focused customers.

Solution Components

Telstra Managed Cloud Services
Deliver consistent outcomes across different cloud platforms, whether public cloud, private cloud or hybrid cloud—allowing businesses to leverage the people, capabilities, partnerships, technology and leading-edge solutions from Telstra Purple.

Telstra Purple — Professional and Consulting Services
Receive expert orchestration of technology into a purpose-built solution for your requirements. Throughout delivery, they'll collaborate as peers, with their people sharing knowledge and skills with your teams. Telstra Purple aims to reduce the burden of IT, to move from infrastructure to an invisible enabler that ultimately allows the organisation's focus on innovating within their core business.

Equinix Metal
Deploy infrastructure at software speed with automated, interconnected Bare Metal as a Service. Equinix Metal provides on-demand infrastructure when and where it is needed. With rapid compute and network provisioning, enterprises can now deploy new services across the globe with Telstra Hybrid Cloud in minutes.

Equinix Fabric®
Connect distributed infrastructure globally via software-defined interconnection. By leveraging Equinix Fabric's dynamic global ecosystem of nearly 10,000 businesses, enterprises can directly connect to partners and providers easily and securely via API integration

VMware NSX
Enable your virtual cloud network with full-stack network and security virtualisation enabling connection and protection of applications across your data centre, multi-cloud and container infrastructure. NSX reproduces the entire network model in software, so you can create and provision any network topology in seconds and deliver critical apps and services faster and easier.

Equinix's Network Edge
Deploy virtual network services at the digital edge with ease. As a dynamic network automation tool, you can easily set up and manage your virtual network services that run on a modular infrastructure platform.

Features

Dedicated and controlled environment
Dedicated Aria from VMware, managed by Telstra, allows you to control and configure VMs in a familiar environment, powered by Equinix Metal infrastructure.

Secure and connected environment
Provide a secure cloud environment for sovereign-protected workloads in Equinix data centres with dedicated, single-tenanted infrastructure that isolated sensitive workloads.

Expertise and support
Rely on Telstra's Partners and industry consultants and solution experts for managed services, including updating, patching, and providing 24/7 proactive network and hardware monitoring.

Flexibility and scalability
Easily purchase, manage and navigate your cloud environment deployed across the globe.

Speed of deployment
Deploy and scale complex environments in minutes with automation via Telstra Hybrid Cloud with Infrastructure as Code to respond to rapid market changes.

Performance efficiency
Enjoy higher performance with dedicated hardware to flexibly support evolving business adoption of IoT, 5G and more.

Benefits

Improved disaster recovery and business continuity
Build a secure foundation for your business with our customised service levels and performance across multiple platforms. We ensure the security of your critical workloads with our dedicated, single-tenanted infrastructure, and we host those workloads in Equinix's secure data centres under sovereign protection.

Save time and reduce complexities
The dedicated Aria from VMware by Telstra provides a familiar interface for VM configuration and control, making it more accessible for users to gain visibility.

Improved application or infrastructure performance and data management
Access and manage your data seamlessly across different platforms and environments by connecting your important data where they need to be to your cloud-hosted applications, to address data gravity, latency problems, and data sovereignty requirements.

Empower Innovation
Bridge cloud-native, SaaS and/ or packaged apps, which run on different platforms to make innovating for your people and customers simpler. With Telstra Hybrid Cloud's Infrastructure as Code, you can also accelerate the development of your engagement systems, enabling you to quickly adapt to changing market conditions.

Specialised management of cloud
Focus on your core business by freeing yourself from managing cloud network. Telstra's managed cloud services help your workloads optimally — from the cloud to the edge — with cost optimisation advice, risk management, compliance tool management, monitoring and reporting.

Why Telstra Hybrid Cloud

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Evolving ecosystems and centralised control
Together with effective and well-managed partnerships, Testra Hybrid Cloud is a fully managed service that aids you in both.

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Contact your Telstra account representative for more details.

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2024.05.28 1:00 PM