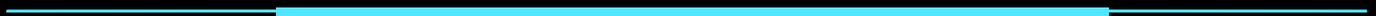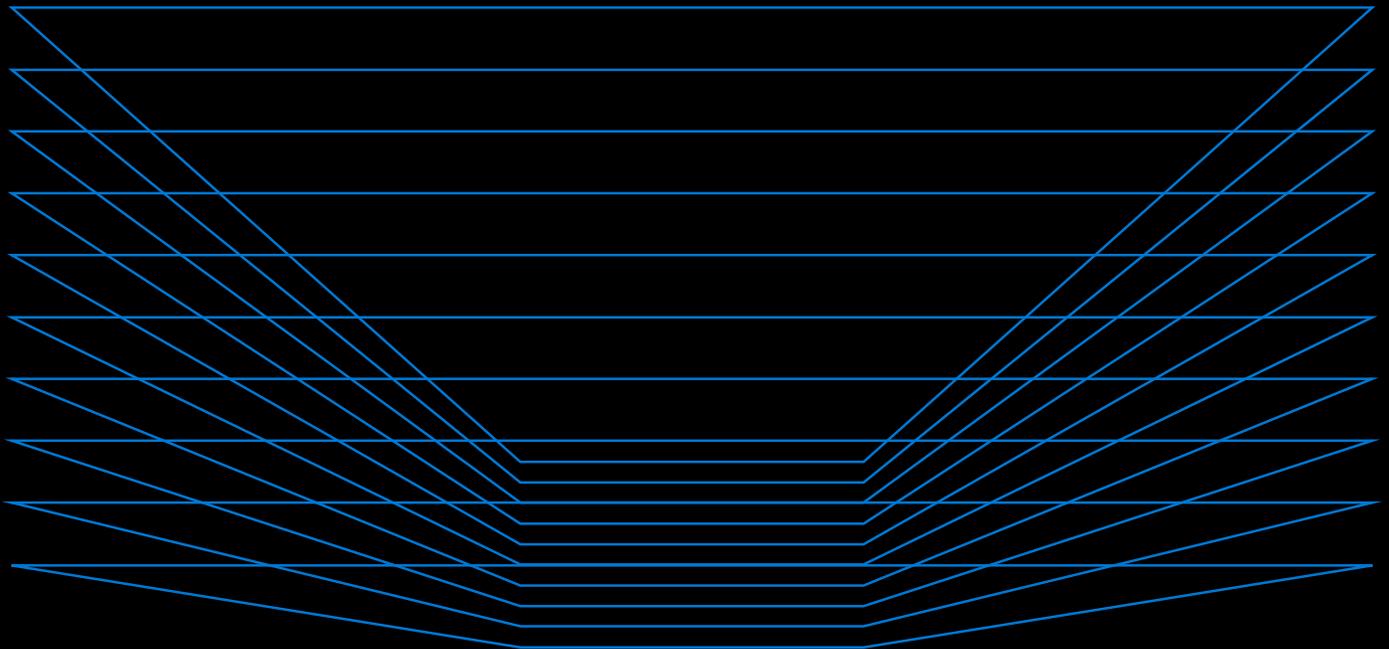Microsoft | vmware®

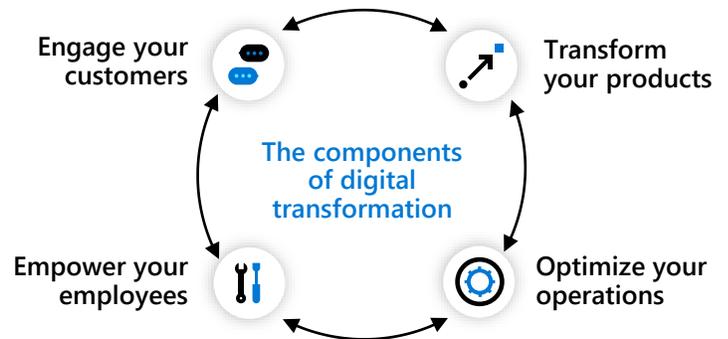# Extend your datacenter with VMware on Azure

Solution guide

Technology is transforming business innovation

Technology shapes how businesses innovate and grow

Today, technology is crucial business strategy – from finding new ways to reach customers, to building new business models, to enhancing the productivity of your team and operations. **Digital transformation shapes how businesses navigate their futures.**

Engage your customers

Transform your products

The components of digital transformation
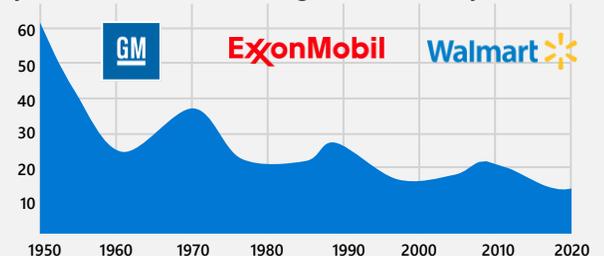
Empower your employees

Optimize your operations

Technology is a business disruptor

Digital transformation encourages the disruption of markets, steadily decreasing the average lifespan of companies on the S&P 500 over time.

Companies that embrace digital transformation can manage increasing volatility regardless of their industry.

Average company lifespan on S&P 500 Index (in years) and select leading businesses by era

GM   ExxonMobil   Walmart

| | | | | | | | |
|60|
|50|
|40|
|30|
|20|
|10|
| 1950 | 1960 | 1970 | 1980 | 1990 | 2000 | 2010 | 2020 |

Digital transformation happens in the cloud

This disruption occurs because technology is changing faster than ever before. Breakthrough innovations in sensors, social media, apps and data are causing the volume of data to explode. Fortunately, the scale and economics of cloud computing make it possible to capture and harness data, creating new opportunities to innovate, grow faster, and achieve more than ever before.

Digital transformation and the cloud are intertwined. Studies show that companies that embrace the cloud grow faster than those who do not. It's no wonder that in the near future almost all workloads will be based in the cloud.

91% of business leaders see Digital Transformation as a way of sparking innovation and finding efficiencies[1]

68% say Digital Transformation is increasing profits[2]

85% say they must offer digital services or become irrelevant[3]

64% say they have less than 4 years to complete a Digital Transformation or they may go out of business[3]

94% of all workloads will be run in the cloud by 2021[4]

1. Research Report, ISACA, Information Systems Audit and Control Association, 2018
2. Survey, DXC Technology and the Economist Intelligence Unit, 2019
3. Survey, Couchbase, August 2018
4. Report, Cisco Global Cloud Index, 2018

Azure is a leading cloud destination

Azure is the cloud that helps your customers turn ideas into solutions.

Build, deploy, and manage applications in the cloud, on-premises, and at the edge with heterogenous environments (Linux and Windows workloads).

A.I.
Intelligent by default

Scale
Limitless

Hybrid
Operational freedom

Security
Always a step ahead

Unique partner ecosystem for accelerated growth

Azure has built a portfolio of partner-driven solutions to help customers achieve more.

By integrating popular partner tools and frameworks, the Azure platforms enables customers to easily bring their existing workloads and tools to Azure and build the way that best serves their business.

Azure is the best cloud for Linux

Azure enables a seamless migration of Linux workloads through a platform of services.

Choose from a variety of Linux distributions, workloads, and fully managed open source databases on Azure. Compatibility with the latest open source extensions and tools helps streamline development.

Azure open source momentum

>50%
of VM cores are Linux

>60%
of Azure marketplace images are Linux-based

>47K
customers using Azure open source databases

>100K
Azure Data Studio instances with Azure open source database extensions

Leading global businesses run Azure on Linux

Adobe   HEINEKEN   SAMSUNG   KPMG   TOYOTA   bp   xerox

Azure and VMware together

Azure offers leading infrastructure and open-source databases that are built for where you are today and where your modernization takes you.

Best-in-class Linux infrastructure and tools

Seamless migration to Linux and container offerings

Built-in-tools and support for existing software and hardware

Choice of open source databases

Fully managed databases services for MySQL, PostgreSQL & MariaDB

Linux infrastructure for SQL and open source databases

Hybrid anywhere

Innovation anywhere with Azure for your hybrid architecture

60+ Azure regions around the world and 700+ VM size options

VMware Tanzu

Hybrid cloud with VMware Tanzu on Azure

The VMware Tanzu portfolio of services simplifies hybrid and multi-cloud operations to deliver business results at scale.

82%	**37%**	**78%**	**93%**	**92%**
Increase in software to production	Increase in developer productivity	Increase in operational efficiency	Increase in scaling the platform	Less time to patch operating systems

Automated developer experience
Reliably run all your app at scale with a consistent dev and ops experience with Tanzu Application Service.

Kubernetes that runs everywhere
Deploy Kubernetes to power apps across on-prem, public clouds, and edge with Tanzu Kubernetes Grid.

Container build automation
Automate container creation, management and governance at enterprise scale with Tanzu Build Service.

Unified, global multi-cluster operations
Centrally manage and secure Kubernetes infrastructure and apps across teams with Tanzu Mission Control.

Full-stack observability
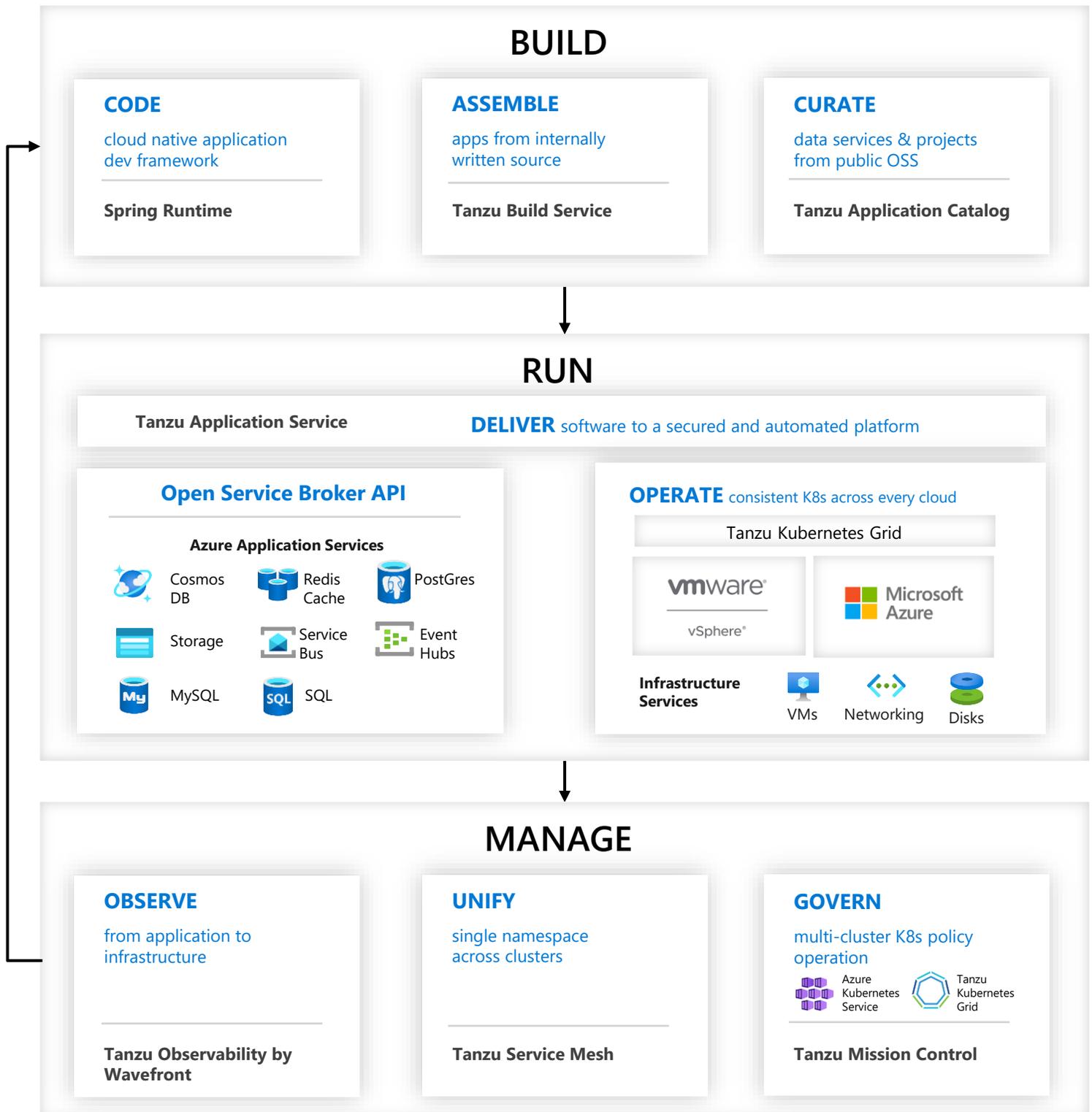Monitor and analyze hybrid and multi-cloud applications and infrastructure at scale with Tanzu Observability.

Microservices networking and control
Connect, protect and monitor your microservices across any runtime and any cloud with Tanzu Service Mesh.

VMware Tanzu portfolio on Azure

The VMware Tanzu portfolio on Azure makes it easier to deliver, run, and scale apps in production. It simplifies hybrid cloud operations and improves developer productivity by providing a consistent user experience across all clouds, public or private.

VMware Tanzu

BUILD

CODE

cloud native application dev framework

Spring Runtime

ASSEMBLE

apps from internally written source

Tanzu Build Service

CURATE

data services & projects from public OSS

Tanzu Application Catalog

RUN

Tanzu Application Service

DELIVER software to a secured and automated platform

Open Service Broker API

Azure Application Services

- Cosmos DB
- Redis Cache
- PostGres
- Storage
- Service Bus
- Event Hubs
- MySQL
- SQL

OPERATE consistent K8s across every cloud

Tanzu Kubernetes Grid

vmware vSphere®

Microsoft Azure

Infrastructure Services

VMs   Networking   Disks

MANAGE

OBSERVE

from application to infrastructure

Tanzu Observability by Wavefront

UNIFY

single namespace across clusters

Tanzu Service Mesh

GOVERN

multi-cluster K8s policy operation

Azure Kubernetes Service   Tanzu Kubernetes Grid

Tanzu Mission Control
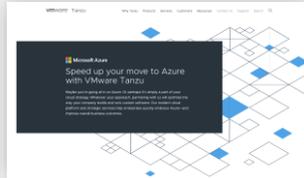
Let's get started

Ready to start?
Reach us at tanzu-azure@vmware.com

Useful resources

[Why Tanzu](#)

[VMware Tanzu on Azure](#)

[Azure Marketplace Listing](#)

Customer Success with VMware Tanzu on Azure

Drive developer velocity and innovation

Problem: Disruption of retail from online competition

Outcomes:

30 min. to create a new production-grade environment

40% increase in developer productivity

Consistent operation across on-premises and public clouds

[Learn more](#)

Deliver for customers in a time of crisis

Problem: COVID-19 driving immediate demand for online ordering and delivery

Outcomes:

7x increase in online traffic and 450% increase in orders

38% YOY revenue growth

55,000 new employees onboarded

[Learn more](#)

Linux on Azure resources

Learn more about [Linux on Azure](#)

Build skills with the [Linux on Azure learning path](#)

Work with your sales lead and ISV partners to develop a plan with [Azure Migration Program](#)

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Thank you.