vSphere With Tanzu

Federal SE Team

January 2021

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Agenda

Introduction

VMware's Strategic Priorities

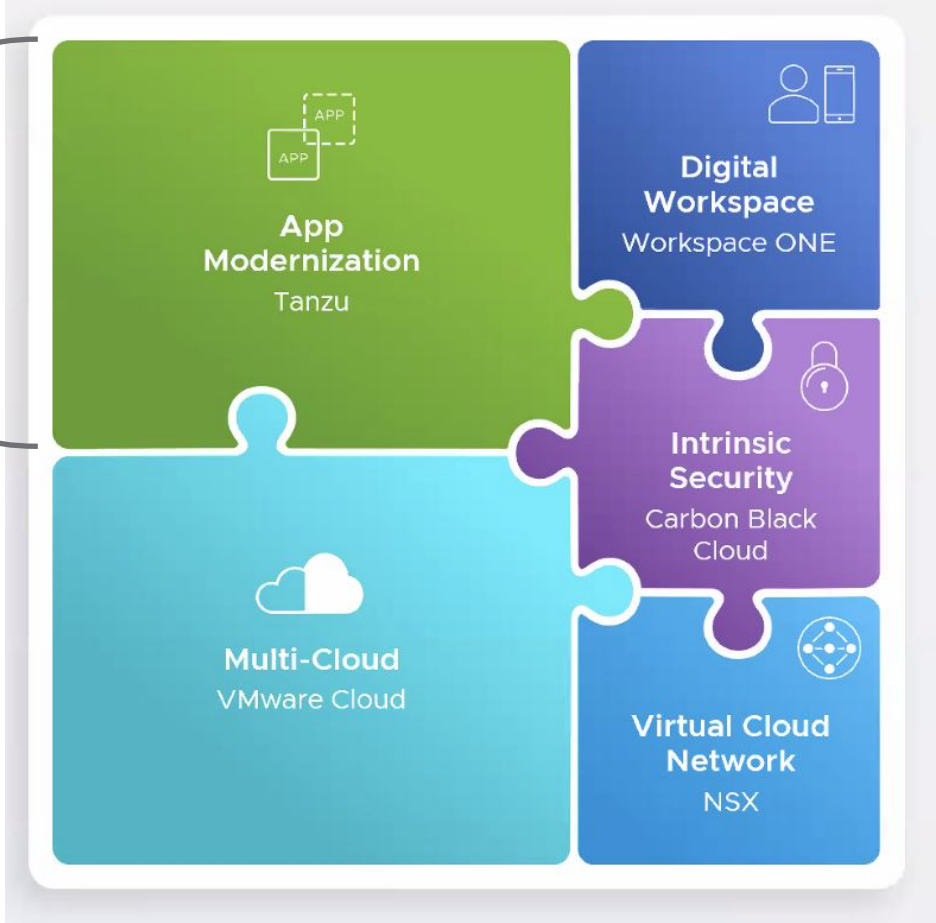
Customer Outcomes

Kubernetes Built Into vSphere(Demo)

Summary

Tanzu

A suite of tools that enables enterprises to build, run and manage applications *consistently*, *reliably* and *securely* at scale across any cloud



Who we are: A modern software company delivering in the Federal space

OVER 200 Federal Modernization Engagements since 2017

- **65 AppDev**
- **86 Platform**
- **50 App Mod**

91% of our greenfield apps are in prod

50 Tanzu Platform foundations installed

We drive to production ATO on average in 90 days

Over **150 articles** about our Work in the Federal Space

The Pentagon has tried to get Silicon Valley on its side for years. Now it's part of the air war against ISIS.
The Washington Post — July 19, 2017 (link)

The Air Force Learned to Code & The Pentagon Saved Millions
Fast Company July 5, 2018 (link)

AFCENT Innovation Summit: 'We're here to win Wars'
Centcom.mil — March 15, 2018 (link)

CSpOC Eyes New Space C2 Tools From Speedy Coders
AirForceMag.com — February 19, 2020 (link)

A Superhero Culture that Fights Cyber Threats
Business Chief Magazine — April 1, 2020 (link)

The Air Force Software Revolution
Air Force Magazine — September 1, 2019 (link)

Bringing SMC's Software Factory to Life
MilSatMagazine — September 3, 2019 (link)

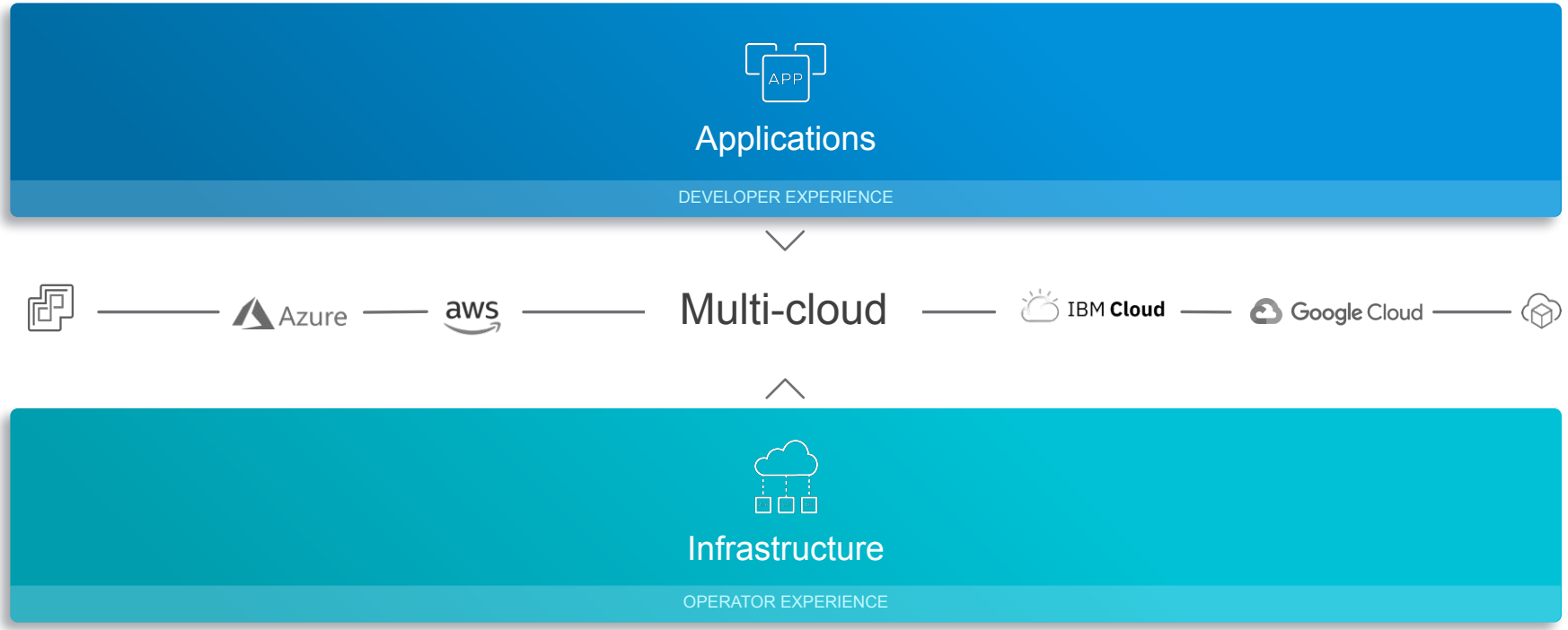
Software Wins Modern Wars: What the Air Force Learned from Doing the Kessel Run
Modern War Institute — January 17, 2020 (link)

Defense Innovation Board Vignette on Kessel Run
Defense.gov — May 1, 2019 (link)

How Fake Agile at DoD Risks National Security
Forbes — September 22, 2019 (link)

Goal - Address BOTH Applications and Infrastructure

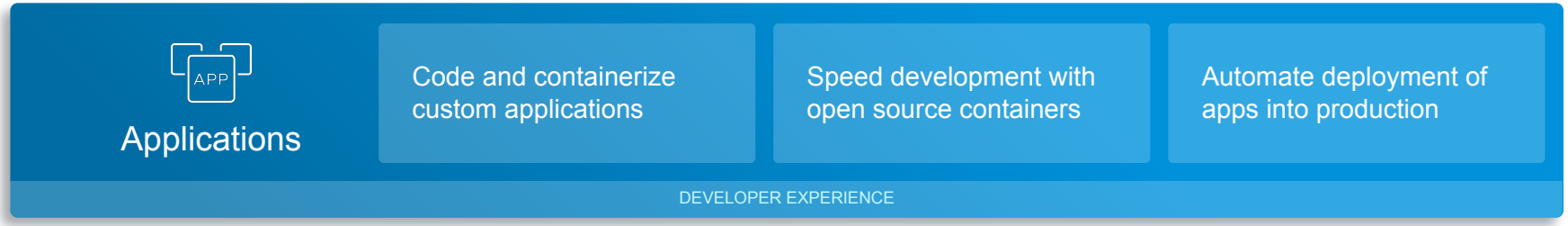
Solve for developer experience AND operator experience across clouds

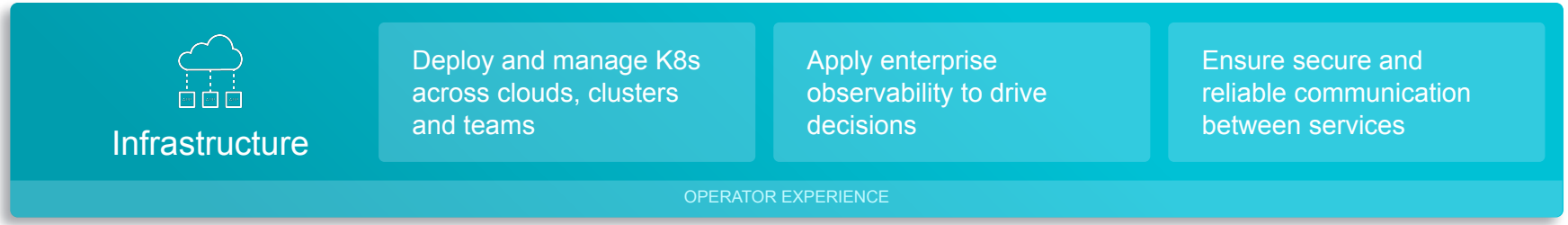


Structured Around Critical Capabilities

Deliver better software to production, faster

VMware Tanzu™





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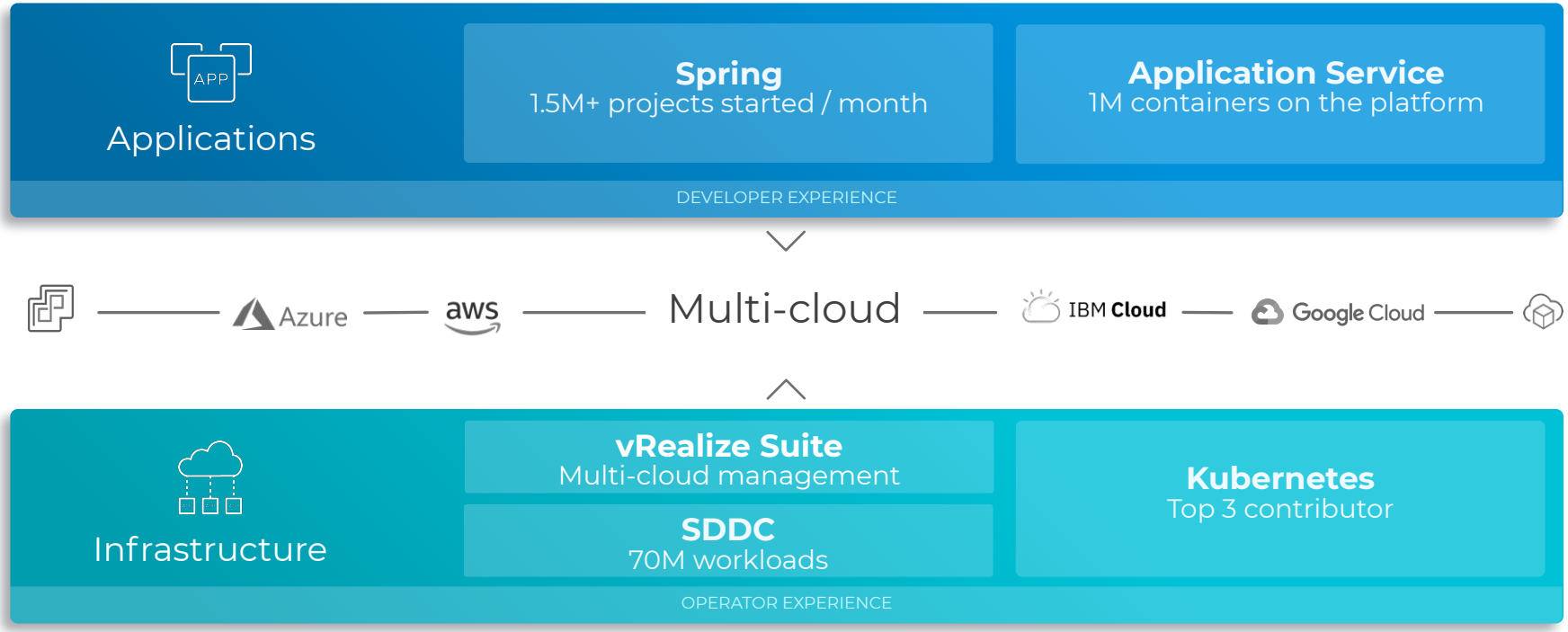

Bring Dev & Ops together to build, run & manage apps

Deliver better software to production, faster

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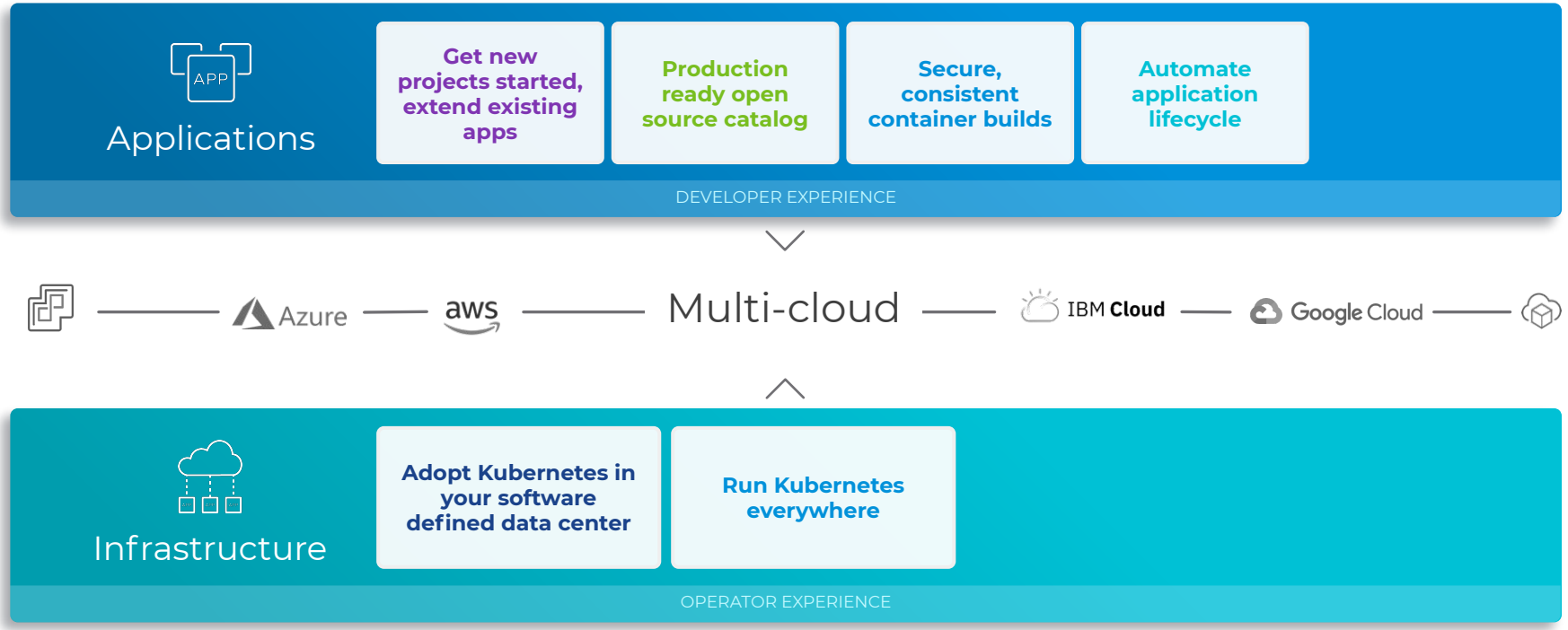

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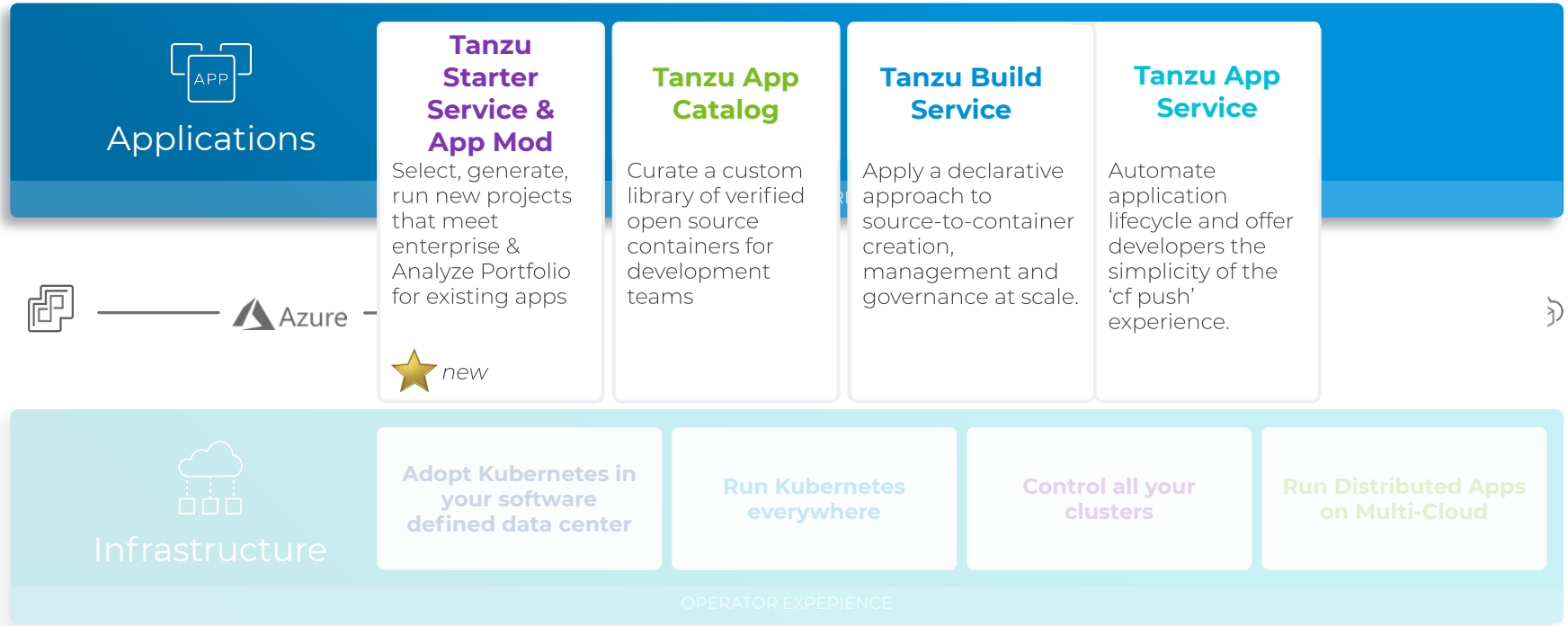
Deliver better software to production, faster



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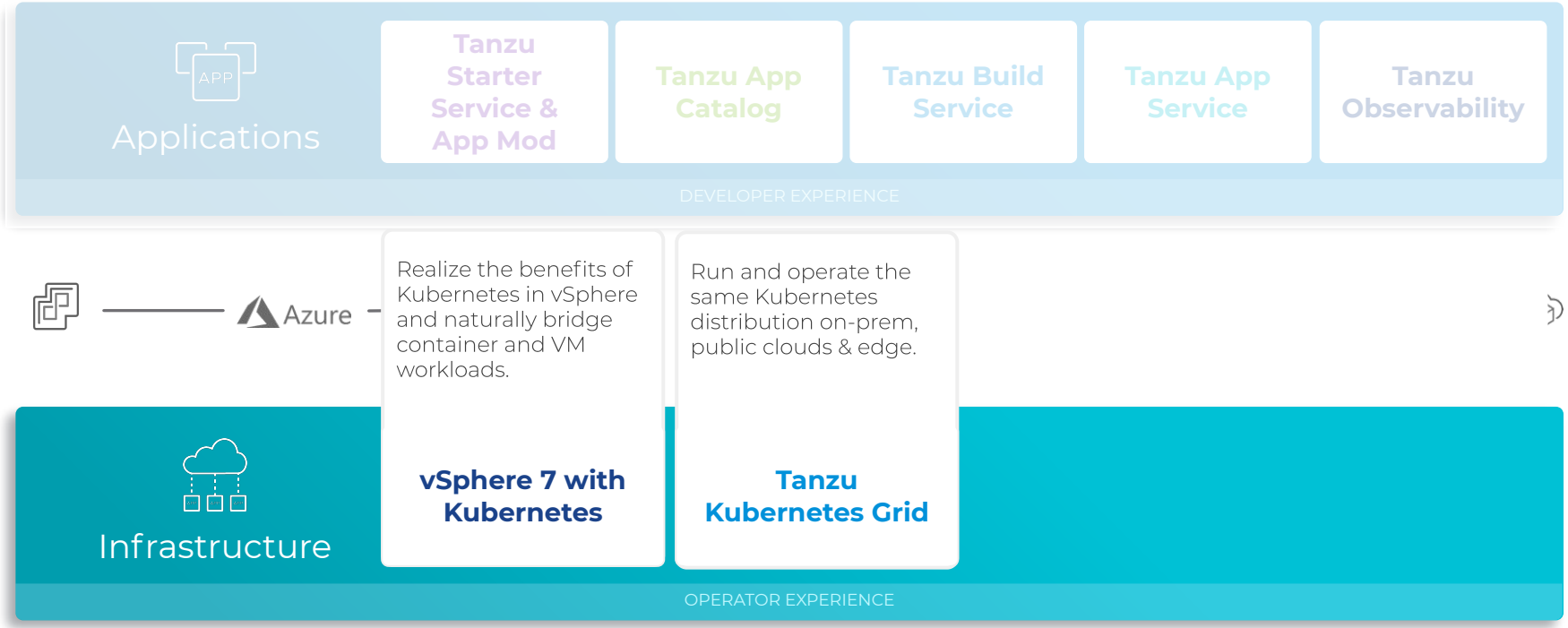
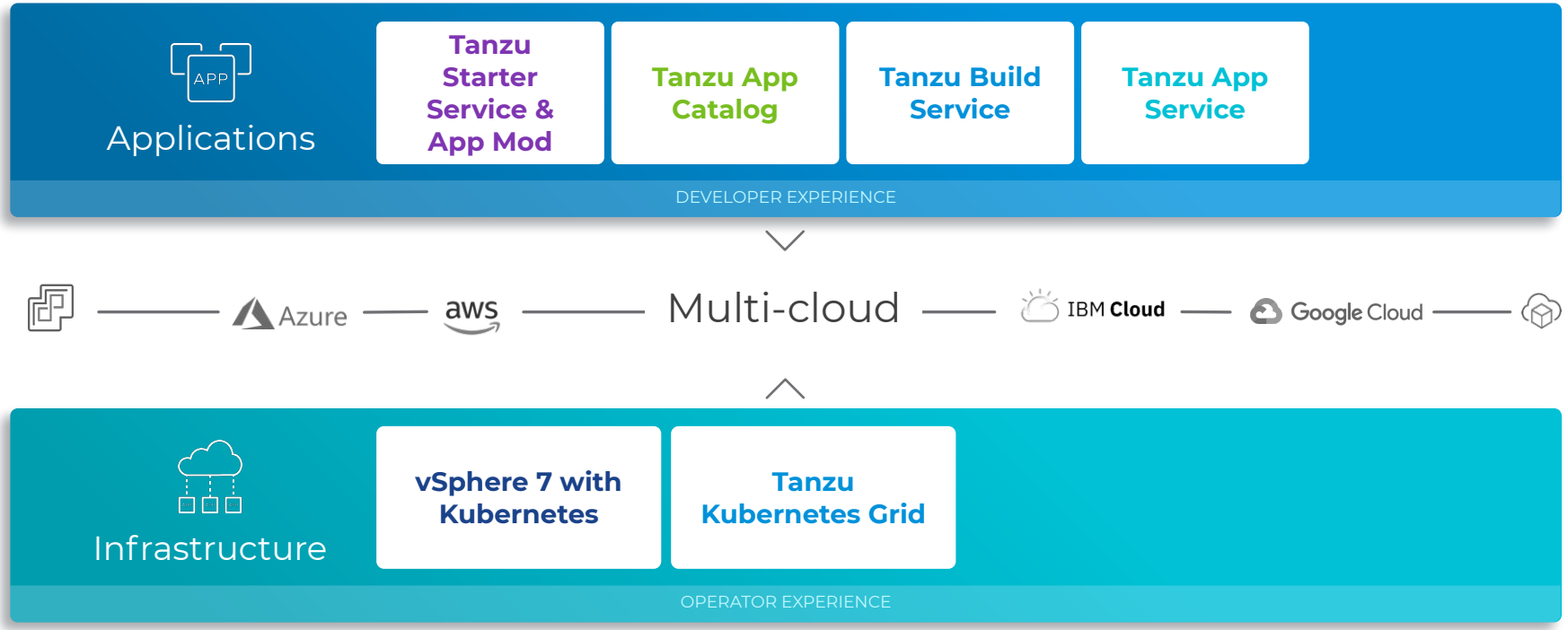
Deliver better software to production, faster



Bring Dev & Ops together to build, run & manage apps
Deliver better software to production, faster

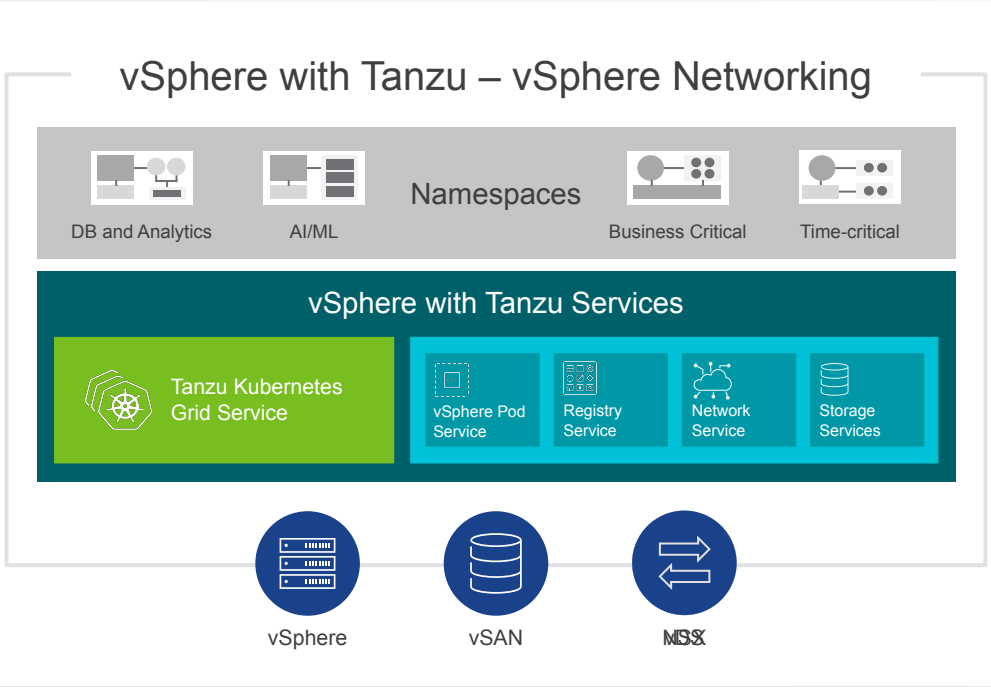


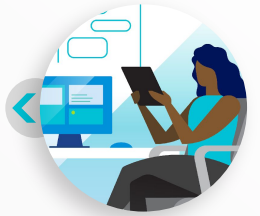
Live Environment

Simplified Deployment and Consumption

vSphere with Tanzu

Developer





vSphere Admin

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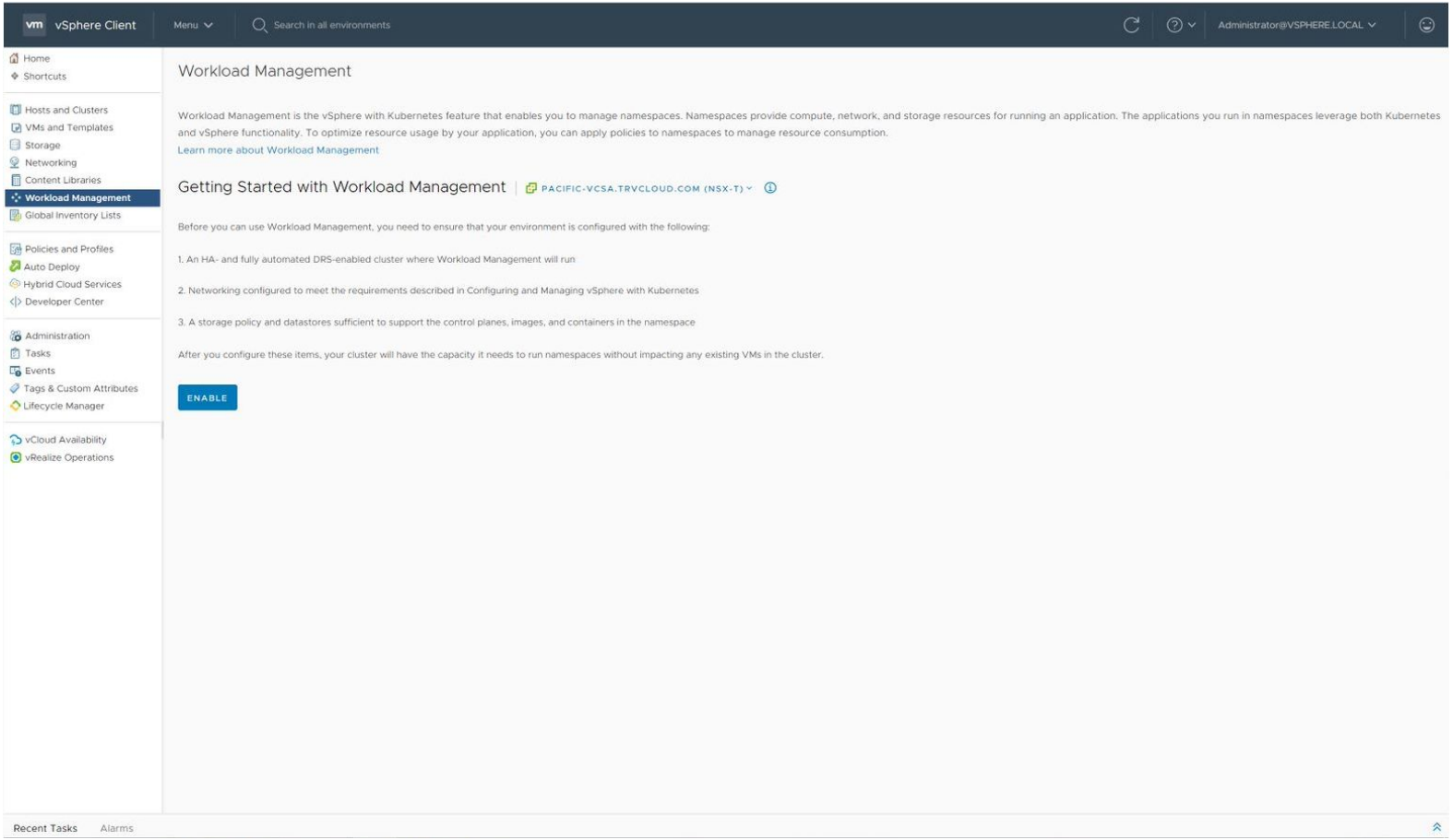
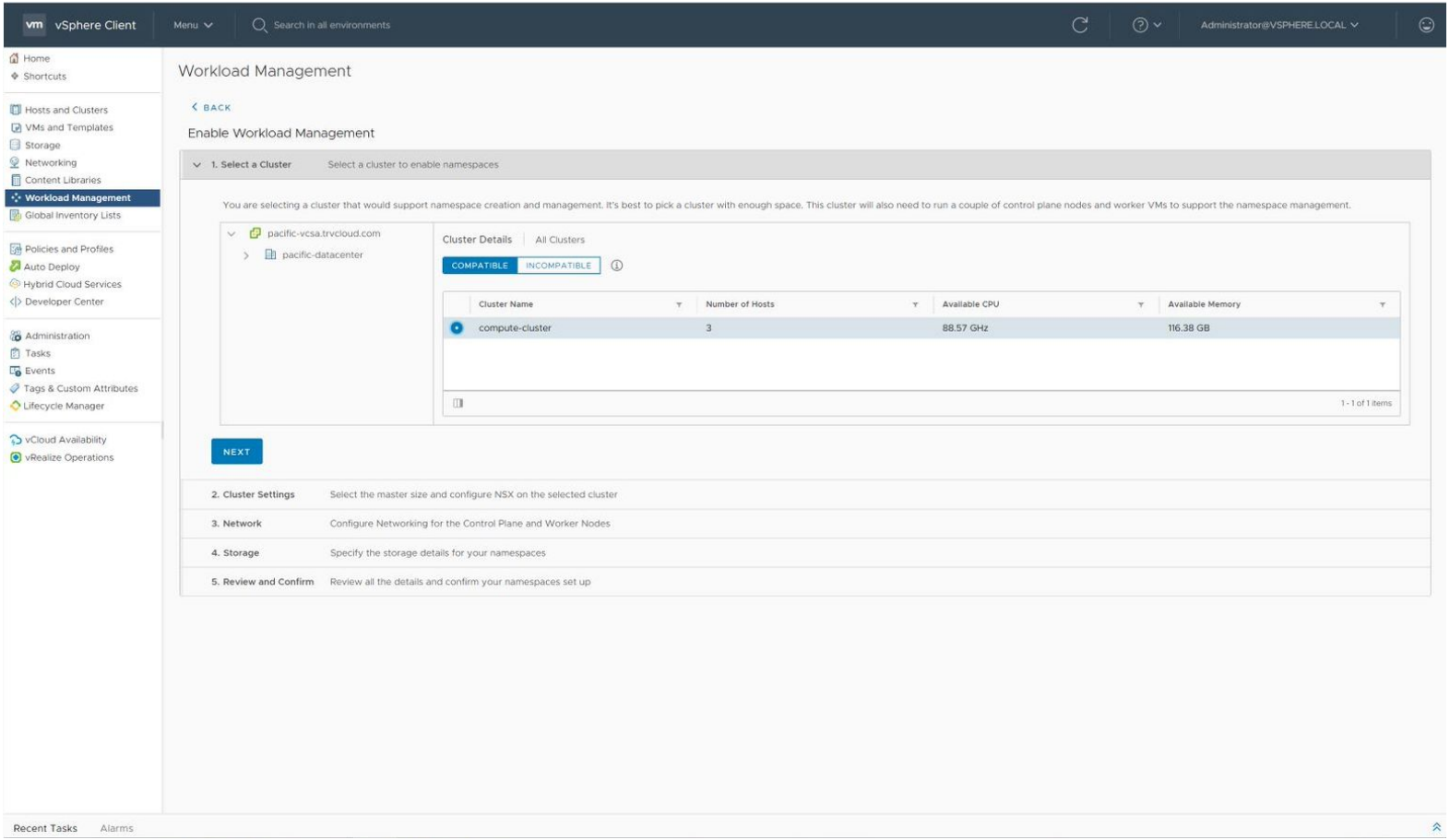
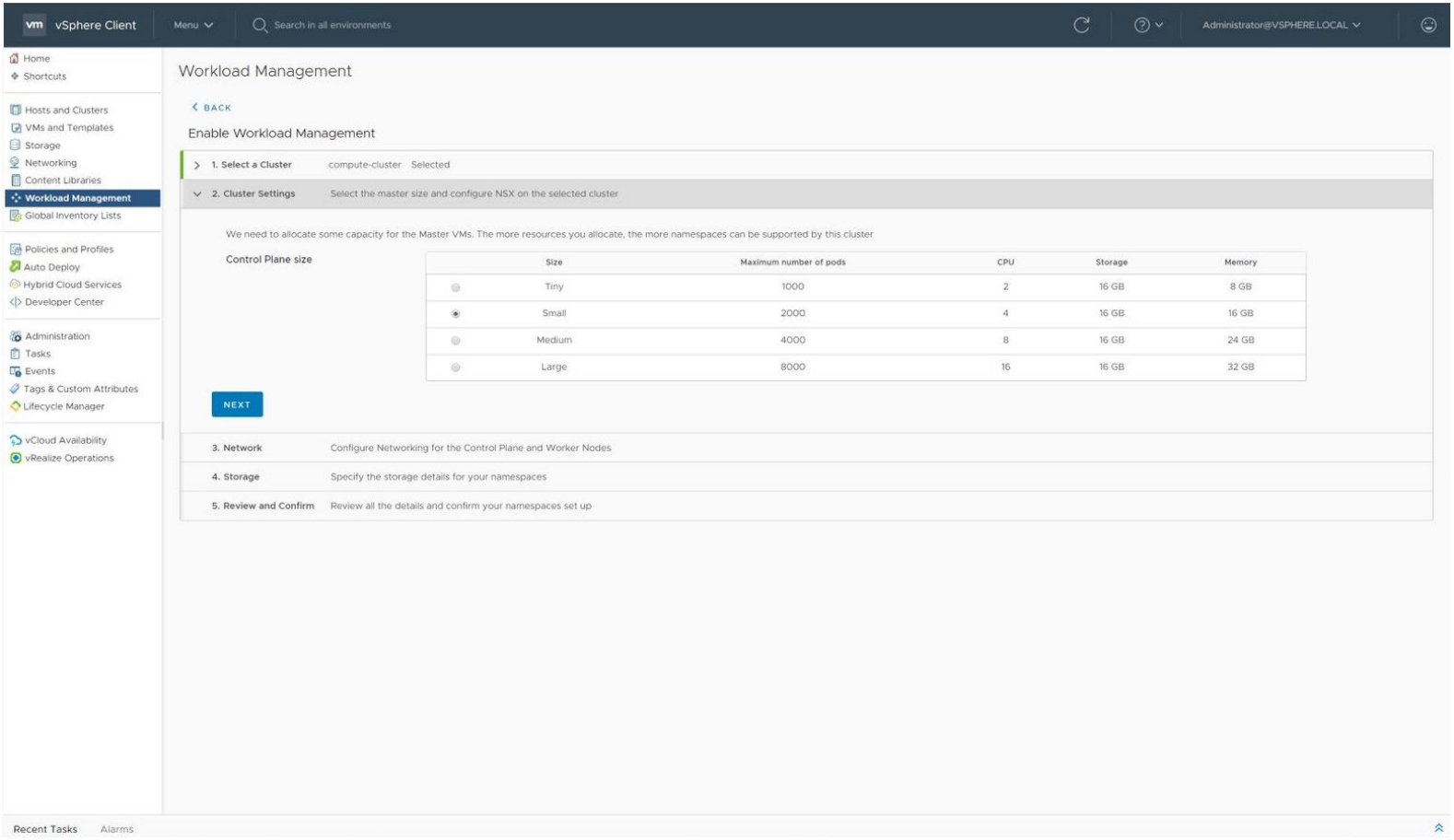
Enabling Workload Management



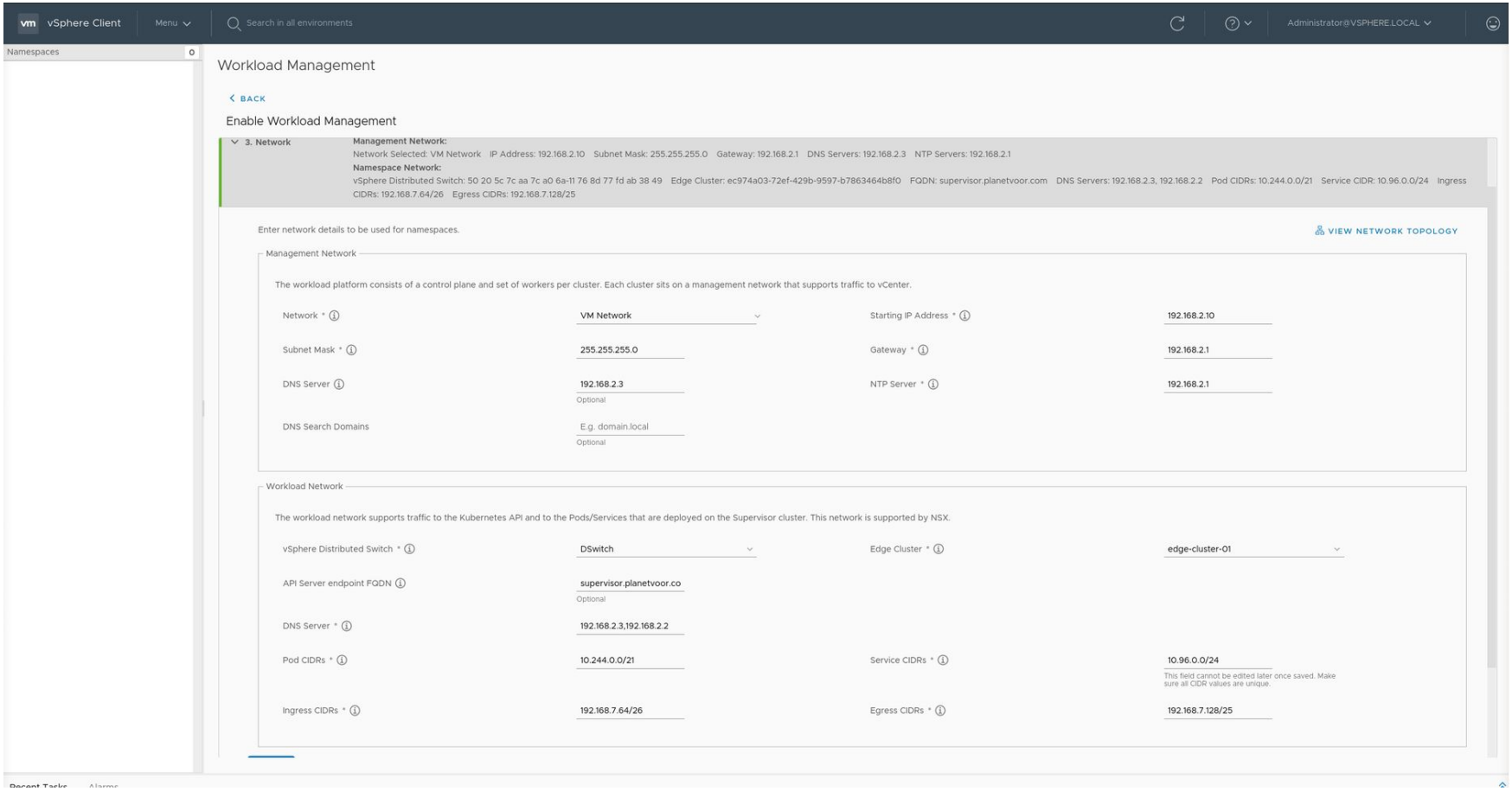
Enabling Workload Management - Pick a Cluster



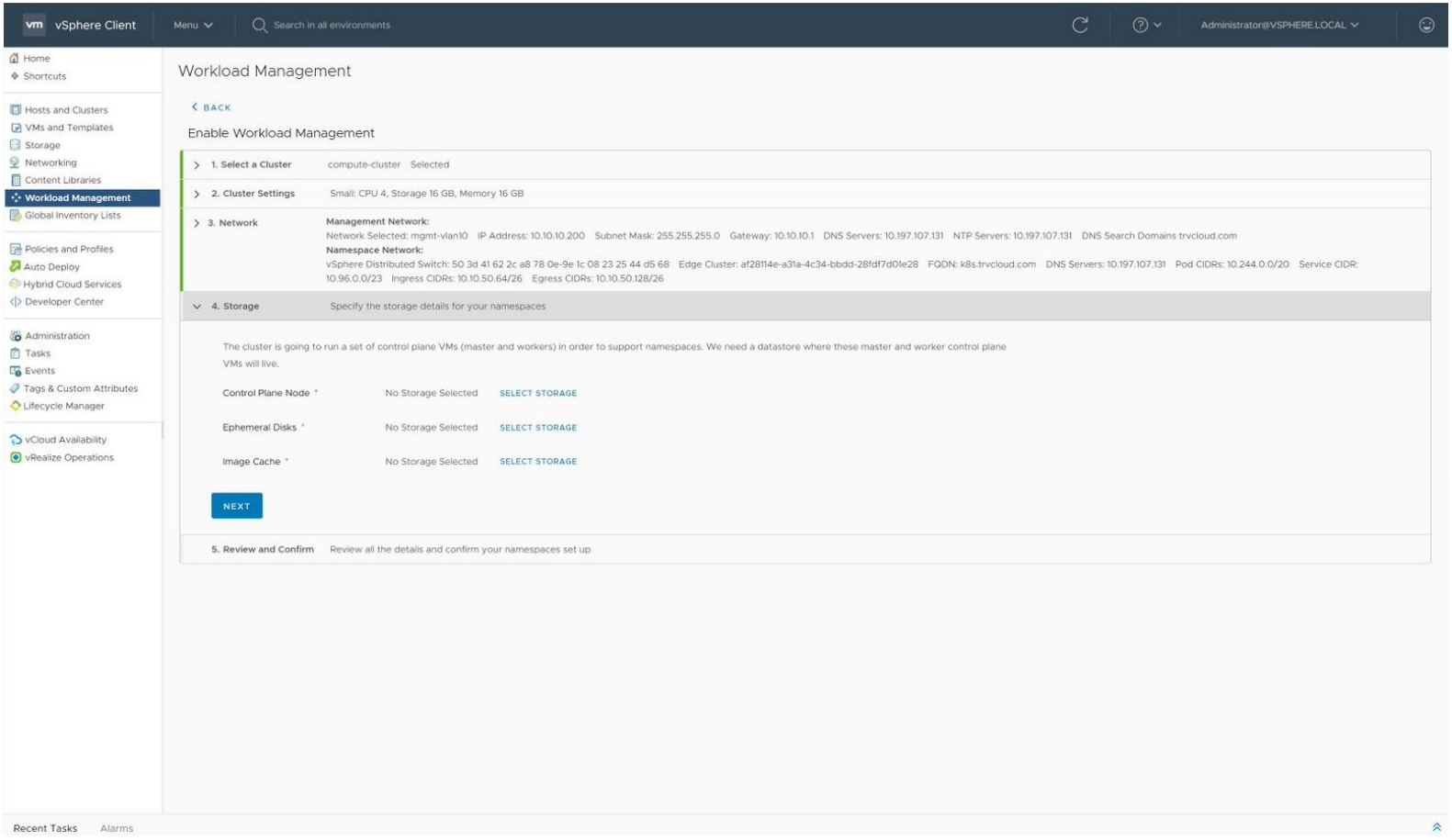
Enabling Workload Management - Control Plane VM Size



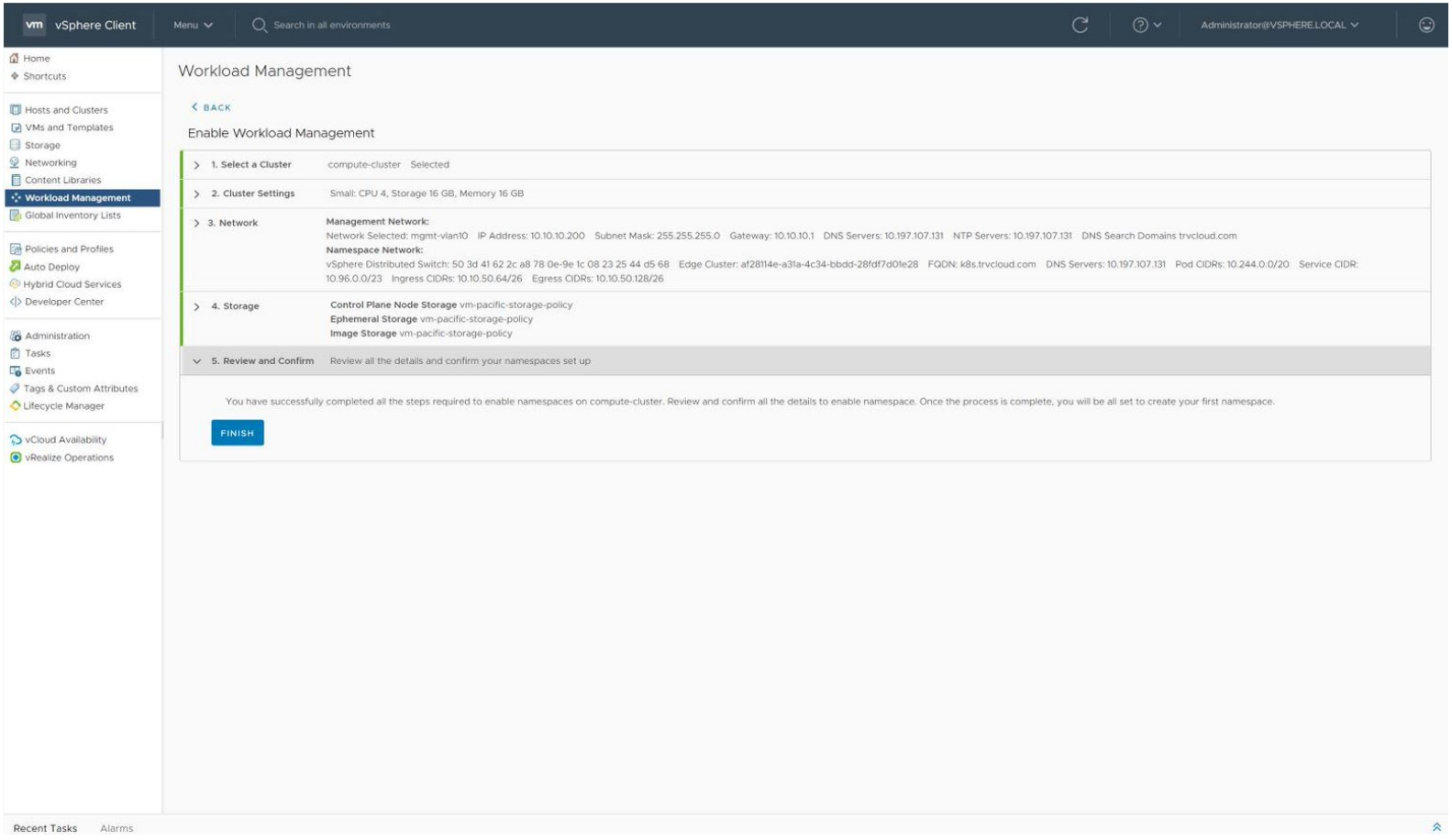
Enabling Workload Management - Networking



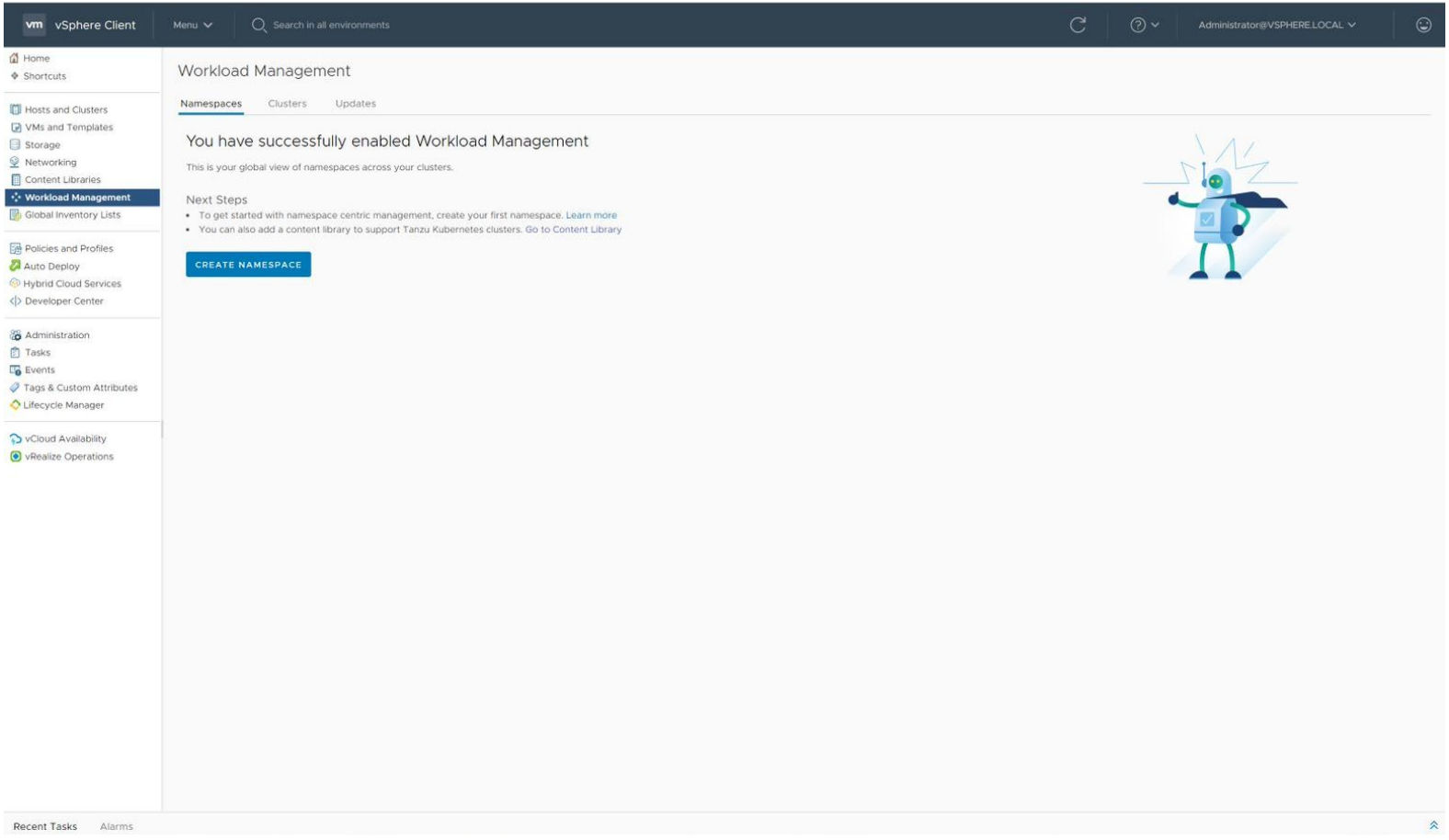
Enabling Workload Management - Control Plane VM Disks



Enabling Workload Management - Review & Confirm



Enabling Workload Management - Profit!



What Matters Most

Open source aligned

Capture the innovation and freedom of the community

Consistent across clouds

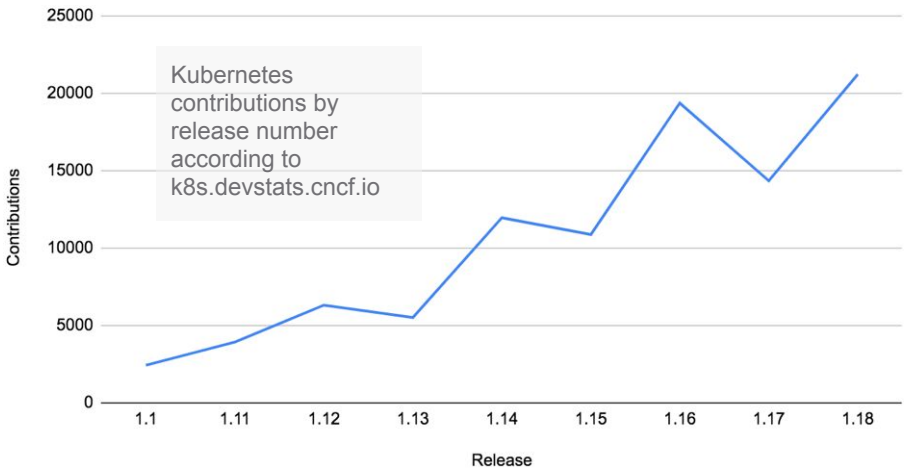
Realize the potential of Kubernetes as an abstraction

Developer self-service

Set clear guidelines and policies; then set developers free

VMware is a Leader in the Open Source Community

Committed to chopping wood and carrying water



2 of 7
steering committee members

10 of 23
special interest groups led by VMware

4
working groups led by VMware

2nd
leading contributor to kubernetes

CONTOUR VELERO

HARBOR SONOBUOY OCTANT

https://github.com/vmware
https://github.com/vmware-tanzu
https://github.com/kubernetes-sigs/cluster-api
https://github.com/kubernetes/kubernetes
https://github.com/vmware-tanzu/octant
https://github.com/goharbor/harbor
https://github.com/vmware-tanzu/sonobuoy

Publicly Available HOL

HOL-2113-01-SDC