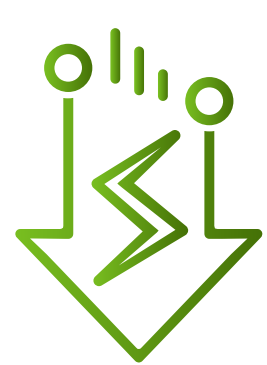


Sustainability with VCF Operations HCX

VCF Operations HCX® streamlines application migration, workload rebalancing and business continuity across data centers and clouds. Move applications seamlessly between environments at scale and avoid the cost and complexity of refactoring apps or re-architecting networks.

This platform also facilitates energy efficiency and can reduce your carbon emissions. Advance your sustainability goals with:



Reduced workload energy intensity

Lower energy consumption and carbon emissions by replatforming to more energy-efficient IT infrastructure.



More energy- and carbon efficient data centers

Migrate workloads to more energy-efficient and renewable-energy powered data centers including VMware Cloud on AWS.



Consolidated data centers

Lower energy consumption and carbon emissions by replatforming to more energy-efficient IT infrastructure.

Sustainability in Action: Environmental Savings

Case 1

A large financial institution in Asia Pacific needed to migrate more than 10,000 virtual machines from on-premises datacenters to multiple VMware on AWS Software Defined Data Centers (SDDC). VCF Operations HCX provided high-speed migration at scale, rapidly reducing our customer's data center cost while improving its environmental impact.

Before:

- On-Premises Data Center
- Legacy Hardware Platform

298

metric tons CO2e

After:

- VMware Cloud on AWS SDDC
- Amazon EC2 i3.metal Host Type

245

metric tons CO2e

Outcome:

18%↓
lower CO2e

Total carbon reduction after migrating all workloads: **284** metric tons CO2e

Annual environmental impact equal to:

284

metric tons of coal

4,696

Trees

61

Cars



Case 2

A large telecommunications company in the Americas leveraged VMware Cloud Foundation (VCF) to enable them to intelligently place workloads while not compromising on networking or security in order to consolidate physical infrastructure by migrating more than 27,000 virtual machines to an optimized VCF enabled infrastructure.

Projected environmental impact equal to:

13,525,002 kWh

of reduced power consumption

5,410 lbs

of CO2 emissions avoided

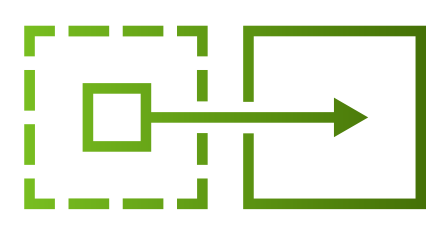
~1176 cars

kept off the highway



About VCF Operations HCX

This solution enables high-performance, large-scale app mobility across VMware vSphere® and non-vSphere cloud and on-premises environments to accelerate data center modernization and cloud transformation. [Learn more.](#)



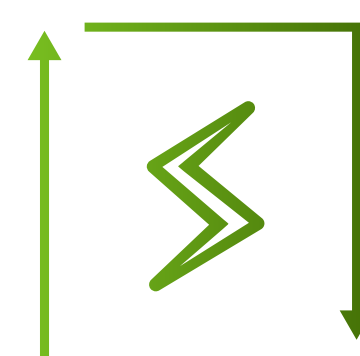
Application Migration



Workload Rebalancing



Business Continuity



Disaster Recovery

Sustainability at VMware

VMware's vision is to build a more sustainable, equitable and secure future for all. By using our virtualization solutions, our customers can reduce the carbon emissions associated with their cloud operations through infrastructure consolidation.

Follow our [Journey to Net Zero](#) and commitment to [Environmental, Social and Governance](#) goals.

Certified CarbonNeutral®
Company since 2018

100% renewable
energy for our operations since 2019

#1 ranked JUST 100
company for sustainable products and pollution reduction in 2022¹



1. VMware. "VMware Named One of America's Most JUST Companies for 5th Consecutive Year, Awarded Top Environmental Ranking" January 14, 2022.