

# Converged Data Protection and Multi-Cloud Data Fabric for VMware Cloud Foundation (VCF)

## Introduction

VMware Cloud Foundation (VCF) delivers the VMware enterprise cloud in a natively integrated stack for both private and public clouds. The joint VMware and Cohesity solution extends VMware Cloud Foundation with the Cohesity Hyperconverged Secondary Storage platform. The solution delivers simple data protection, instant recovery, and a multi-cloud data fabric to complement VCF.

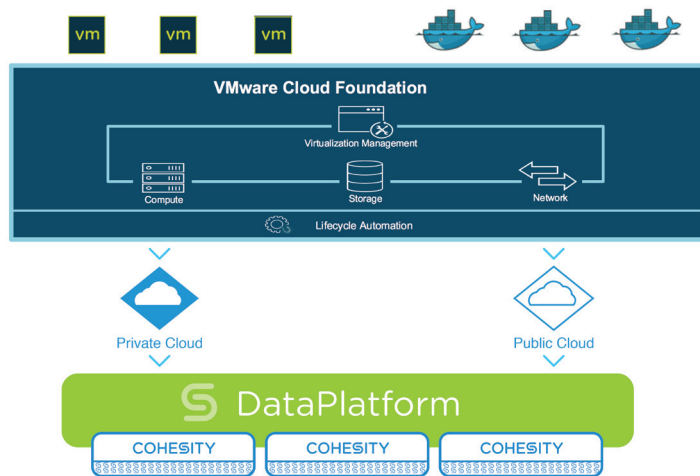


Fig. 1 VMware Cloud Foundation and Cohesity Joint Solution

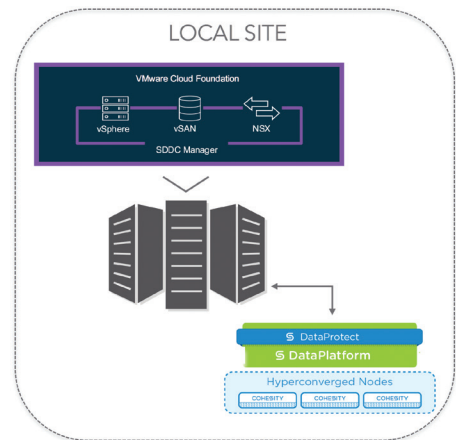
## SOLUTION BENEFITS

- Enterprise-ready hyperconverged infrastructure that spans primary infrastructure and secondary storage across hybrid clouds
- Simple data protection for VCF, including both Management and Workload VMs
- Sub-15 minute recovery of VCF stack on-premises
- Cost-effective data protection with 50% TCO reduction
- Disaster recovery to secondary sites
- Multi-cloud data fabric for cloud archival and replication
- Cross-cloud application and data mobility for disaster recovery, test/dev and analytics

## Use Cases

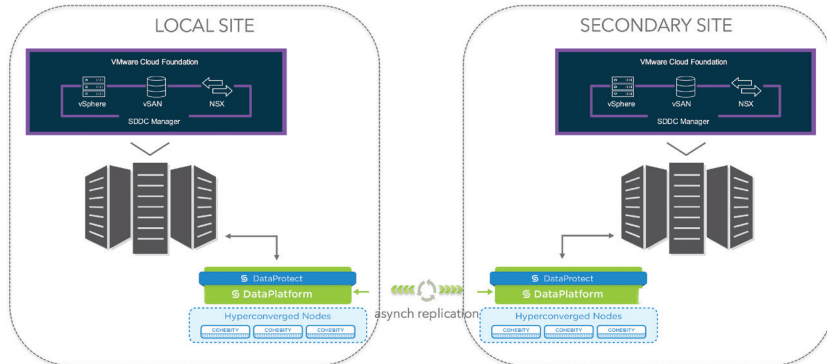
### 1) Simple Data Protection and Sub-15 Minute Recovery of VCF Stack

Cohesity provides a simple backup and recovery solution that is fully converged on the Cohesity Hyperconverged Secondary Storage platform. Cohesity can provide simple data protection for both VCF VMs and Workload VMs, while reducing TCO by 50% or more compared to traditional data protection solutions. The joint solution enables sub-15 minute recovery of an entire VCF environment and Workload VMs.



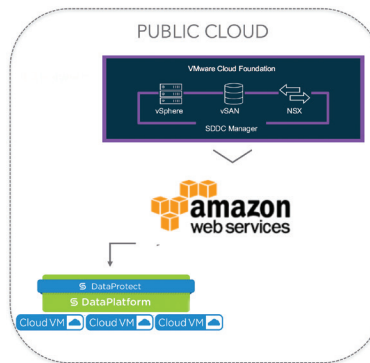
## 2) Cross-Site Replication and Disaster Recovery

Cohesity enables data replication from a local, on-premises cluster to another cluster running in a secondary site. The replicated data can be presented to a VCF environment running in the secondary site for disaster recovery.



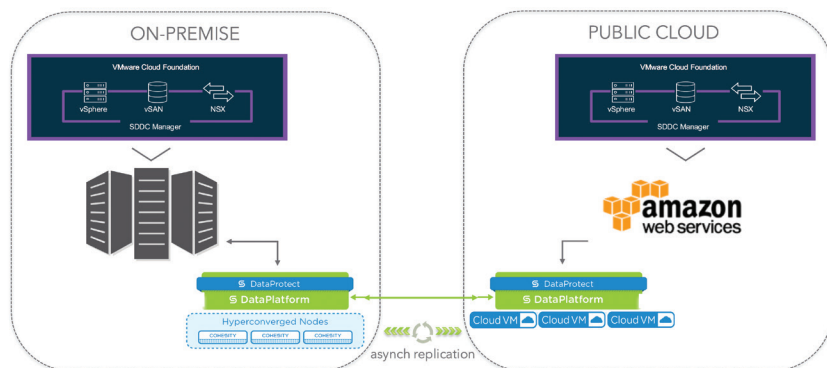
## 3) Data Protection and Recovery in the Cloud

Cohesity can protect applications deployed on VCF in the cloud. Applications can either be protected to a Cohesity cluster running on-premises, or to a Cohesity Cloud Edition cluster running natively in the public cloud.



## 4) Multi-Cloud Data Fabric for Cloud Recovery, Test/Dev and Analytics

The Cohesity platform has in-built capabilities to move data to the major public clouds. This leverages the CloudReplicate capability that enables policy-based replication of local snapshots to a Cohesity cluster running in the cloud. The data replicated to the cloud can be provisioned instantaneously and presented to VCF to instantiate VMs for recovery, test/dev and analytics.



## Conclusion

The resiliency and highly available architecture of VCF, combined with the end-to-end data protection and secondary storage capabilities of Cohesity make implementing, managing and protecting on-premises infrastructure simple. VMware and Cohesity are both focused on providing cloud like simplicity on-premises and also enabling the journey of adopting the cloud, by extending VCF and data protection from on-premises to the cloud for disaster recovery, while also catering to Devops and other secondary storage use cases.

