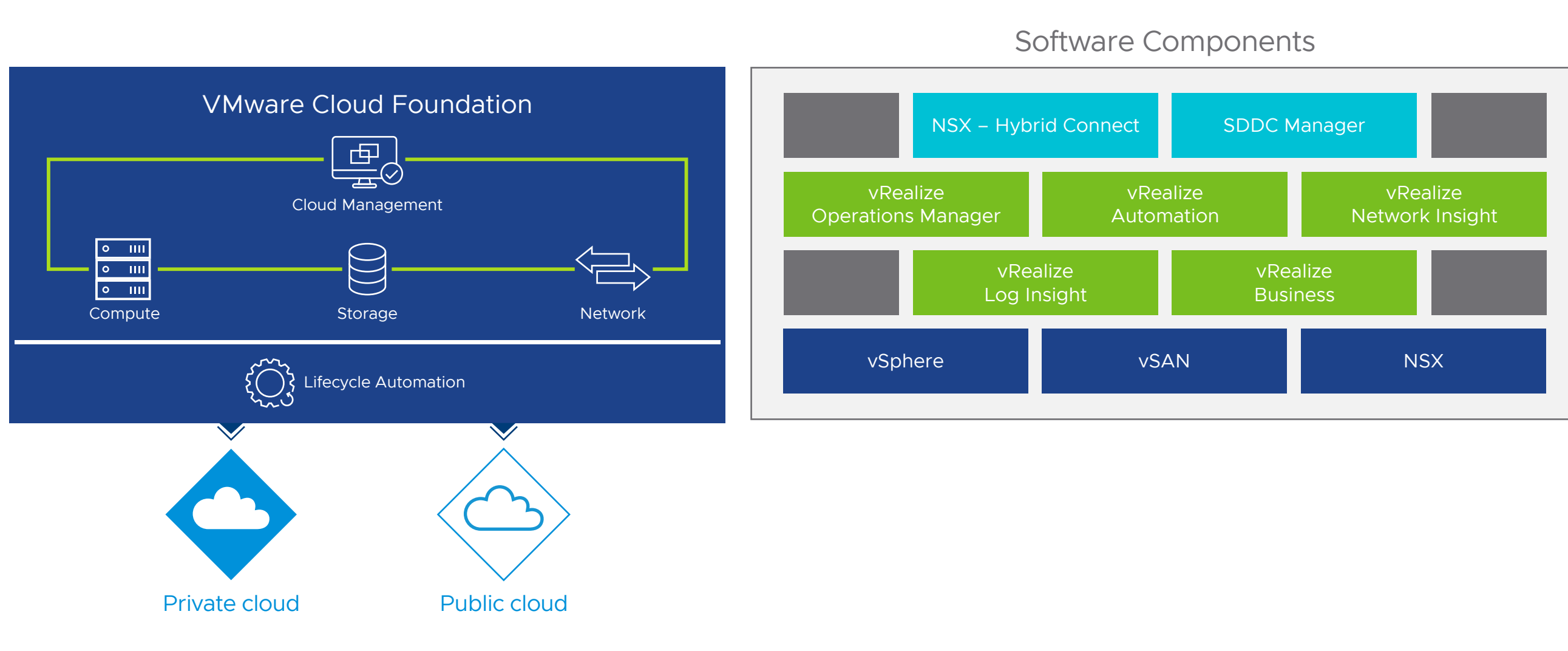


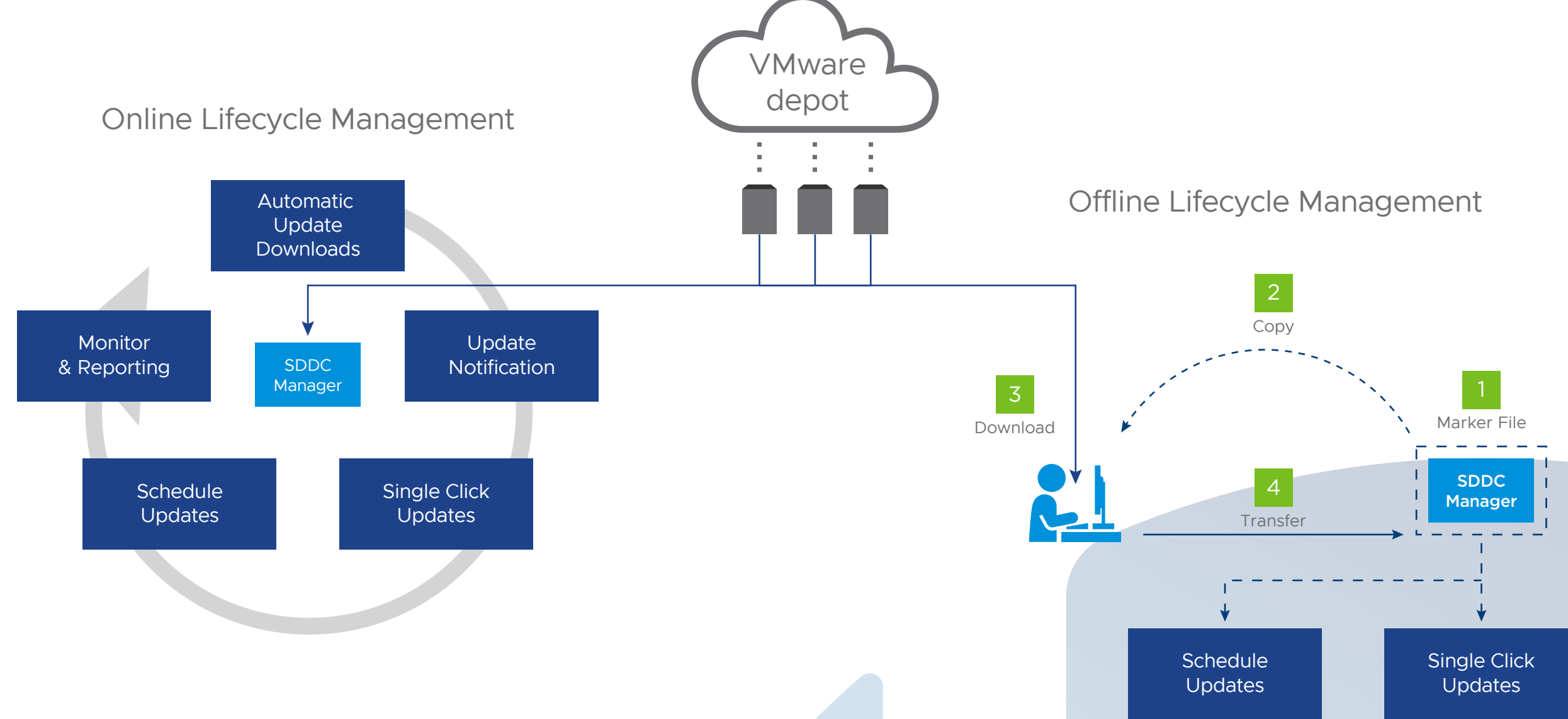
Overview

VMware Cloud Foundation is the industry's most advanced hybrid cloud platform. It provides a complete set of software-defined services for compute, storage, networking and security, and cloud management to run both traditional enterprise applications and modern cloud native workloads. Cloud Foundation patch management and upgrades are drastically simplified thanks to automated lifecycle management. A true Hybrid Cloud experience is achieved with NSX – Hybrid Connect, by providing powerful workload mobility between any VMware based clouds. Giving you the freedom to run your application workloads anywhere.



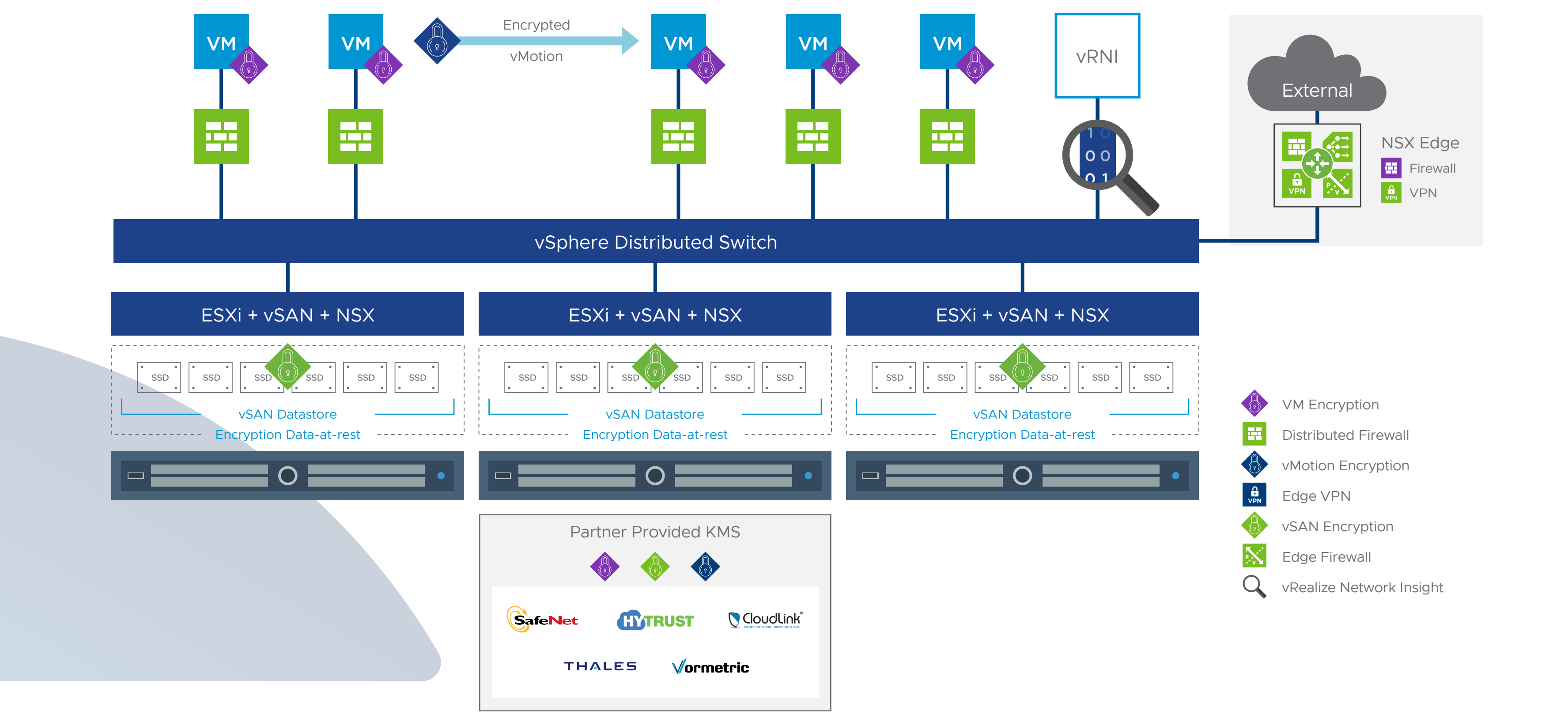
Lifecycle Management

By default, SDDC Manager routinely checks the VMware software depot to discover when software updates are available. If SDDC Manager does not have internet connectivity, use the Bundle Transfer Utility to manually download update bundles from the VMware software depot and manually transfer them to SDDC Manager.



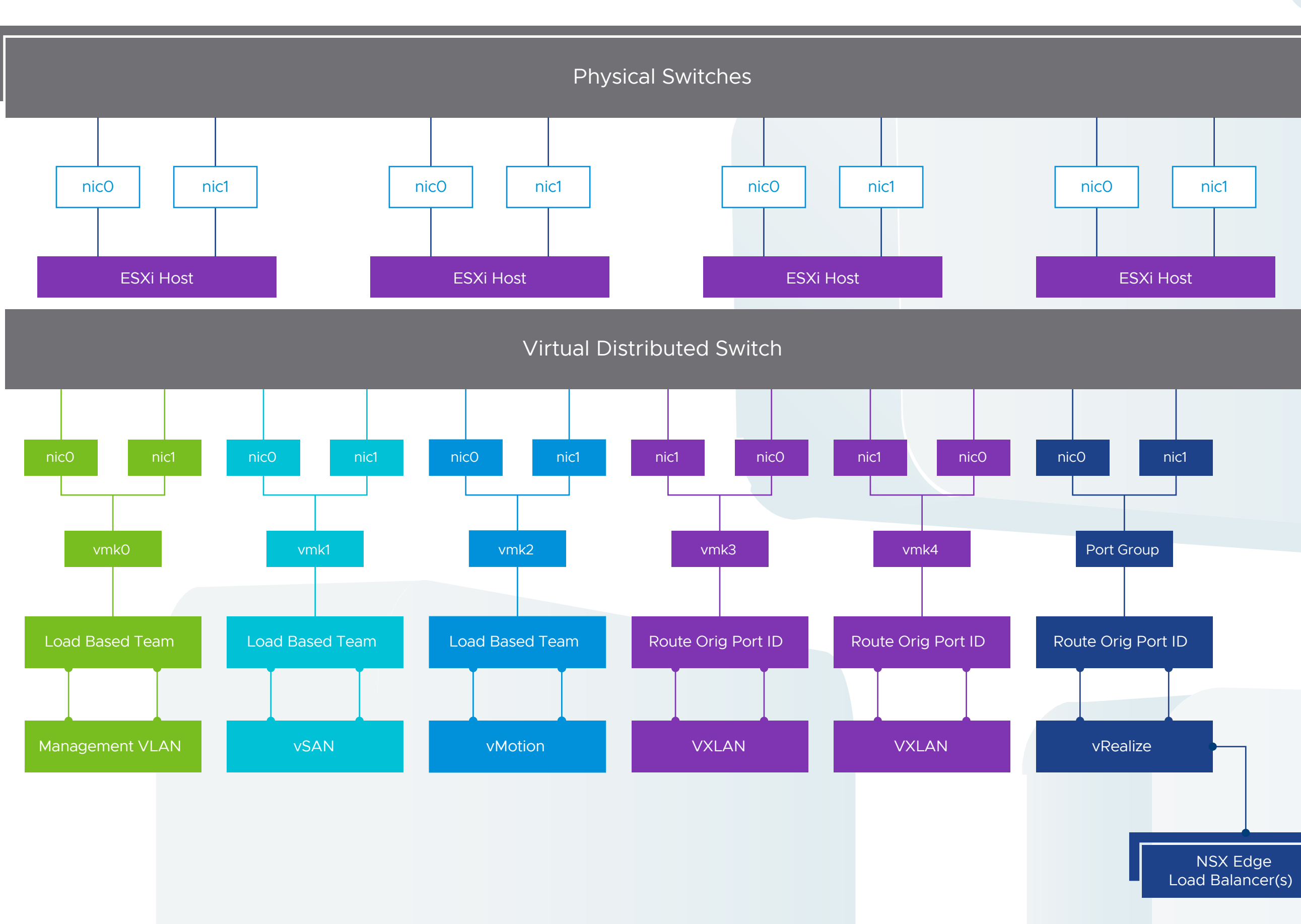
Security

VMware Cloud Foundation includes many comprehensive security features to protect your virtual infrastructure. This includes VM disk encryption, vMotion encryption, vSAN data at rest encryption, NSX distributed firewall, NSX edge VPN, NSX edge firewall, and vRealize Network Insight.



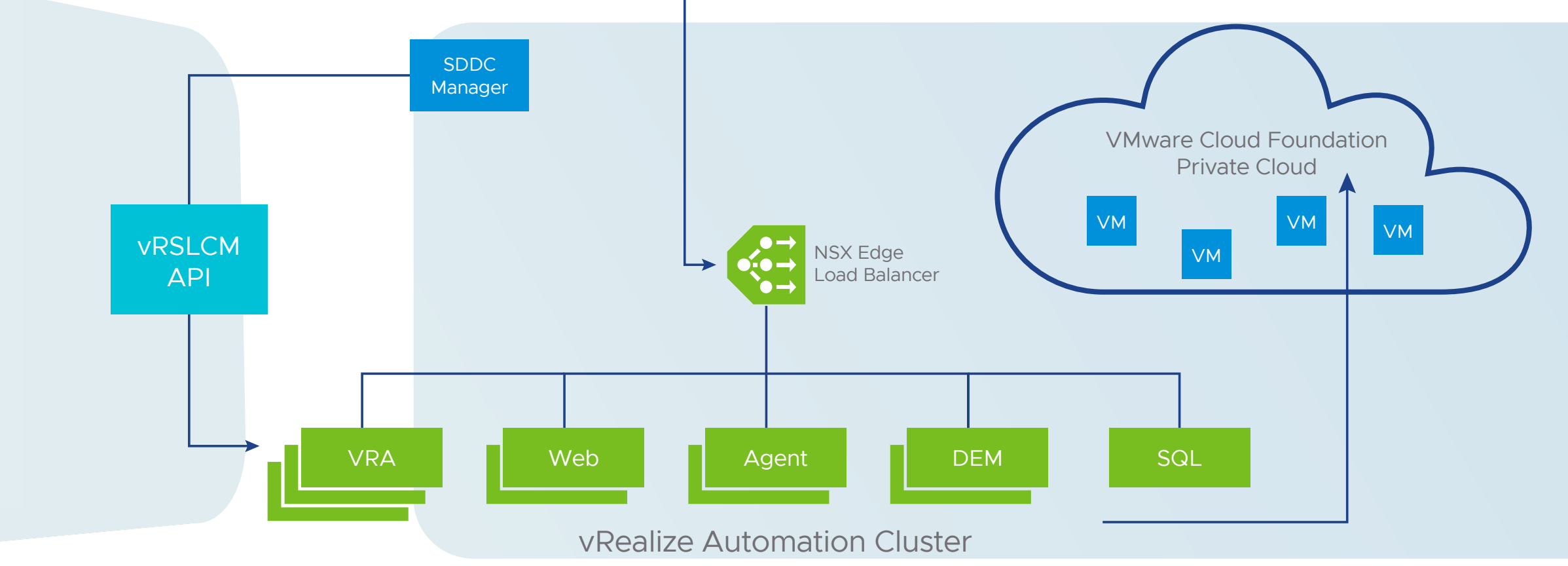
Logical Network

VMware Cloud Foundation logical networking architecture is based on the VMware Validated Designs. The configuration of the management, vMotion, vSAN, and VXLAN is configured using a JSON file which is provided during bring up for the management workload domain. After bringup network pools are created in the SDDC manager for the Workload domain vSAN and vMotion Networks.



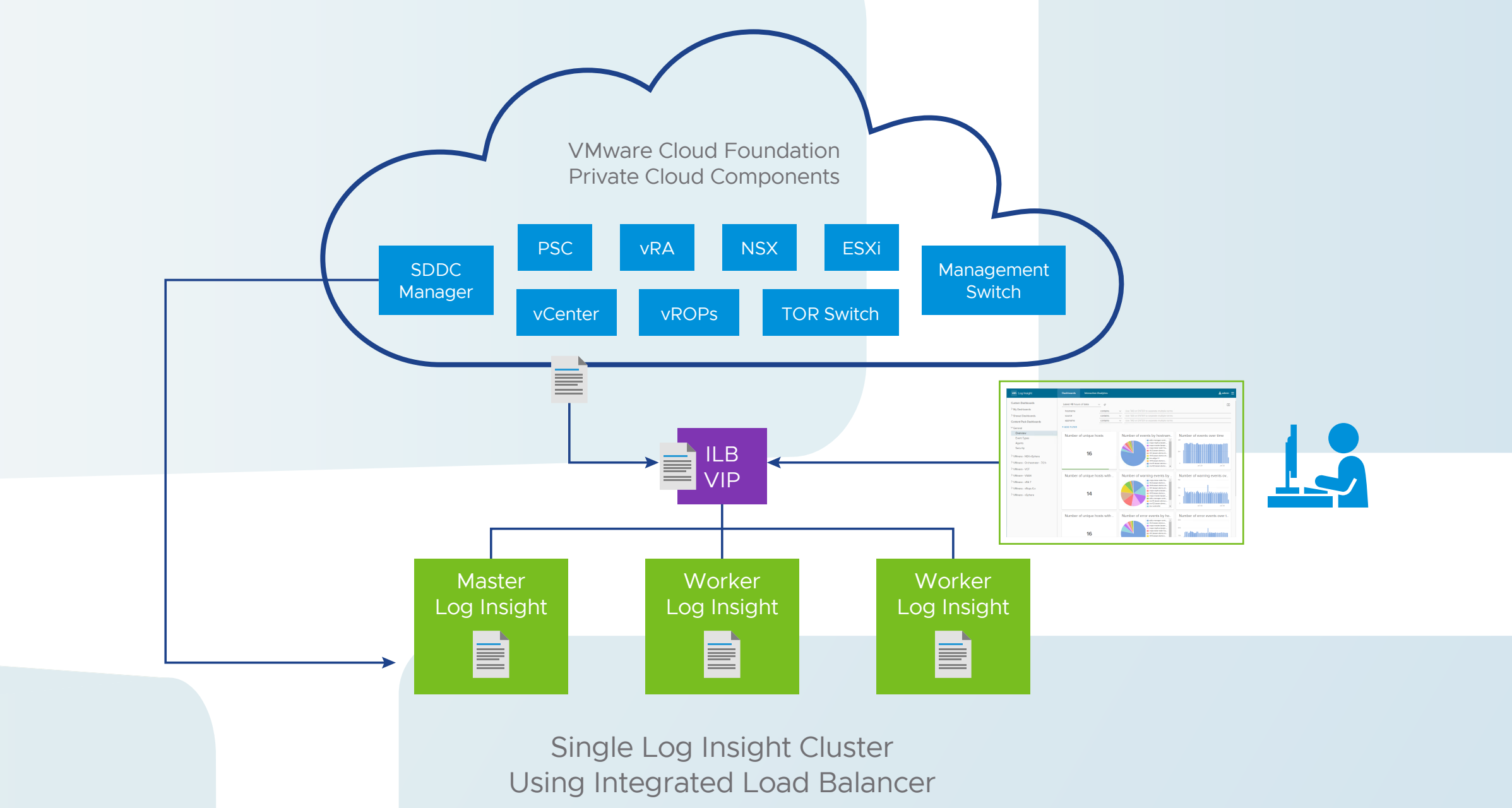
Service Catalog: vRealize Automation

vRealize Automation is installed by the SDDC Manager using the vRealize Suite Lifecycle Manager API and is load balanced with NSX. Once deployed the vRA administrator can create blueprints and deploy VMs to the VMware Cloud Foundation Private cloud.



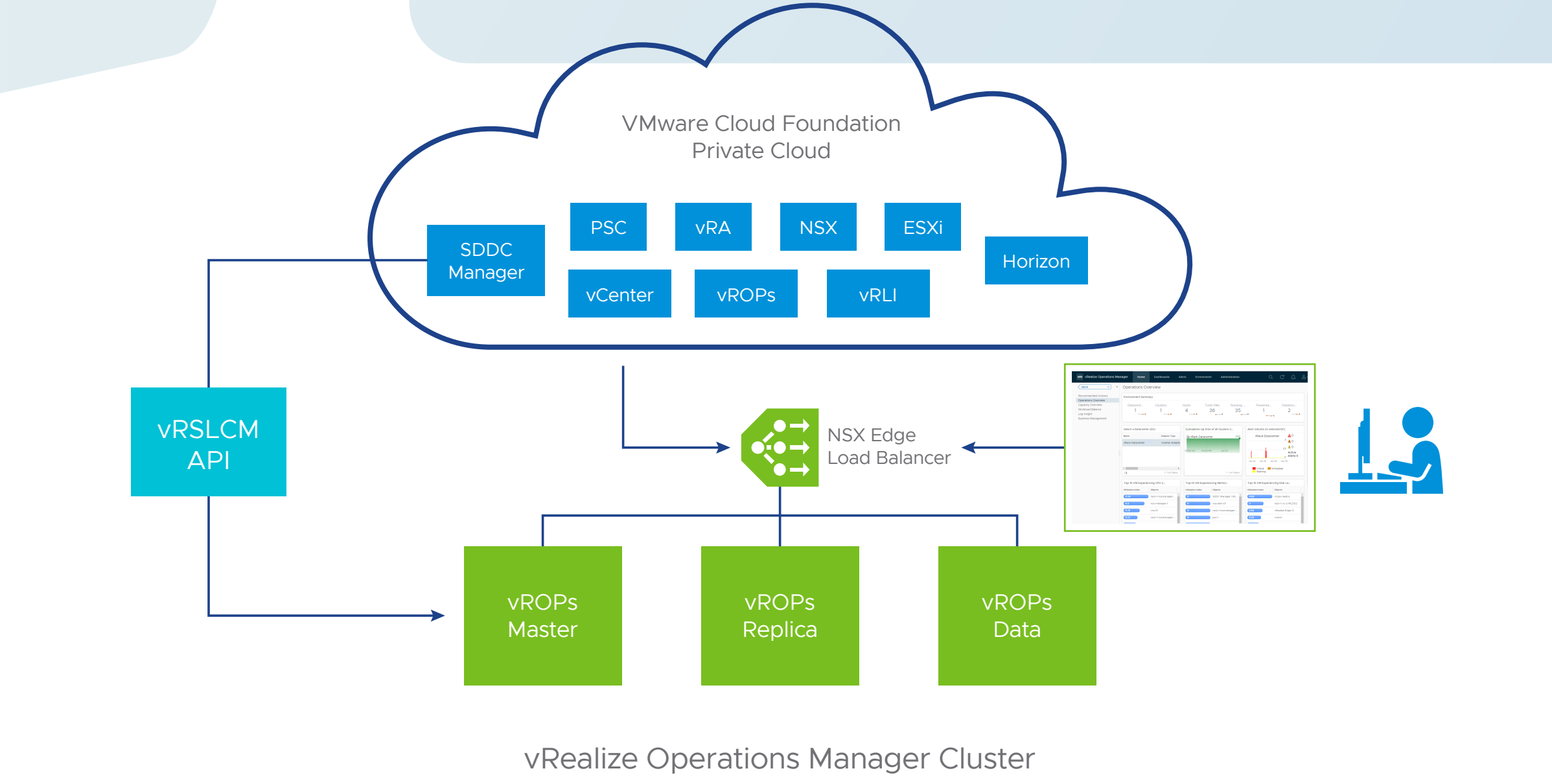
Log Aggregation: vRealize Log Insight

Log Insight is automatically installed by the SDDC Manager during the bring up process. Once installed, it is then configured to collect unstructured syslog data from all VMware Cloud Foundation components, including the SDDC Manager, PSC, vCenter, vRealize Suite, NSX, and ESXi hosts. The cloud administrator is then able to review all the aggregated log information from the Log Insight dashboard.



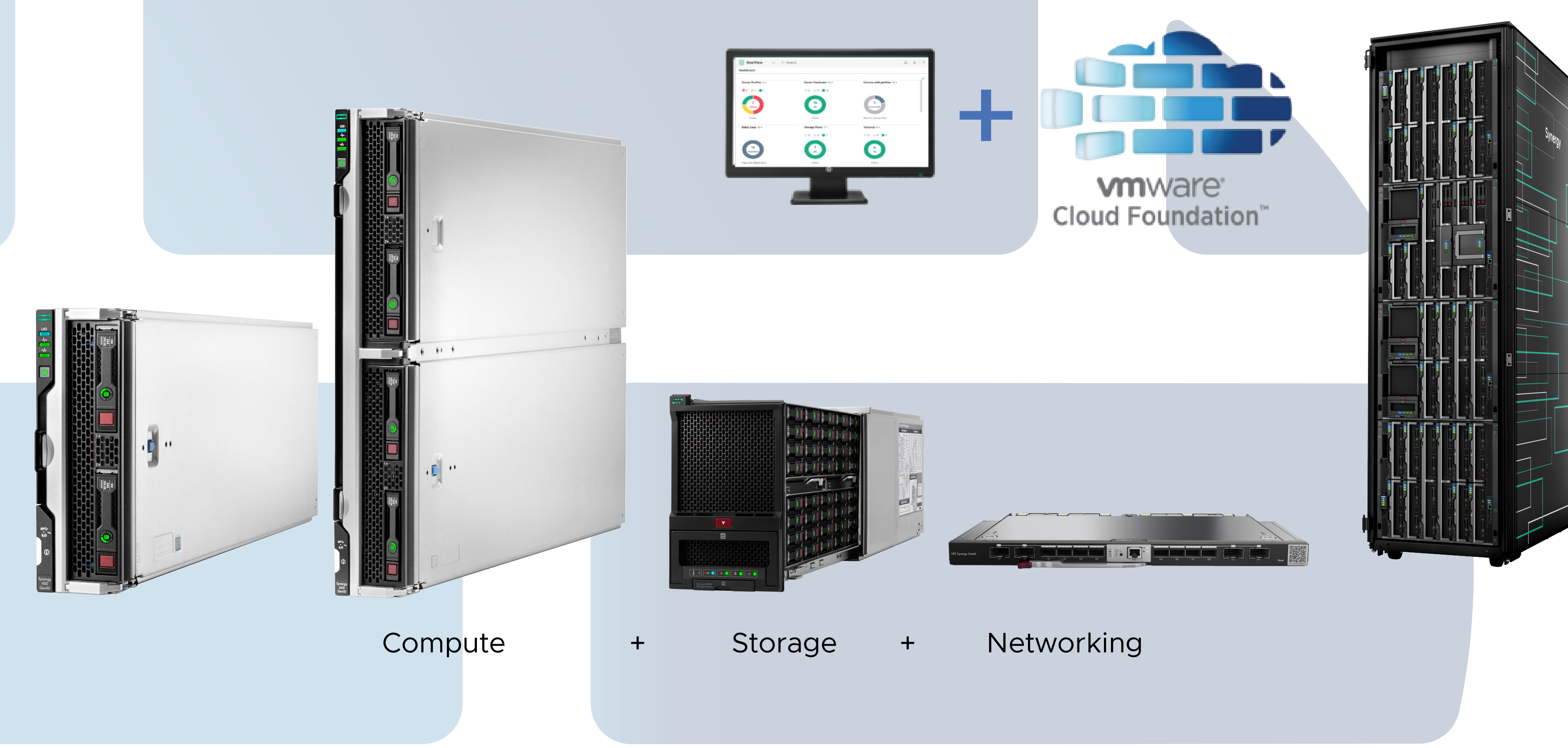
Performance Monitoring & Self Driving Operations: vRealize Operations

vRealize Operations Manager is installed by the SDDC Manager using the vRealize Suite Lifecycle Manager API and is load balanced with NSX. Once installed, it is then configured to automatically collect performance metric data from all of the VMs in the Management Domain, including the SDDC Manager, PSC, vCenter, vRealize Suite, NSX, and ESXi hosts. The cloud administrator is then able to manage performance, monitor alerts, and optimize capacity all from the vRealize Operations Manager dashboards.

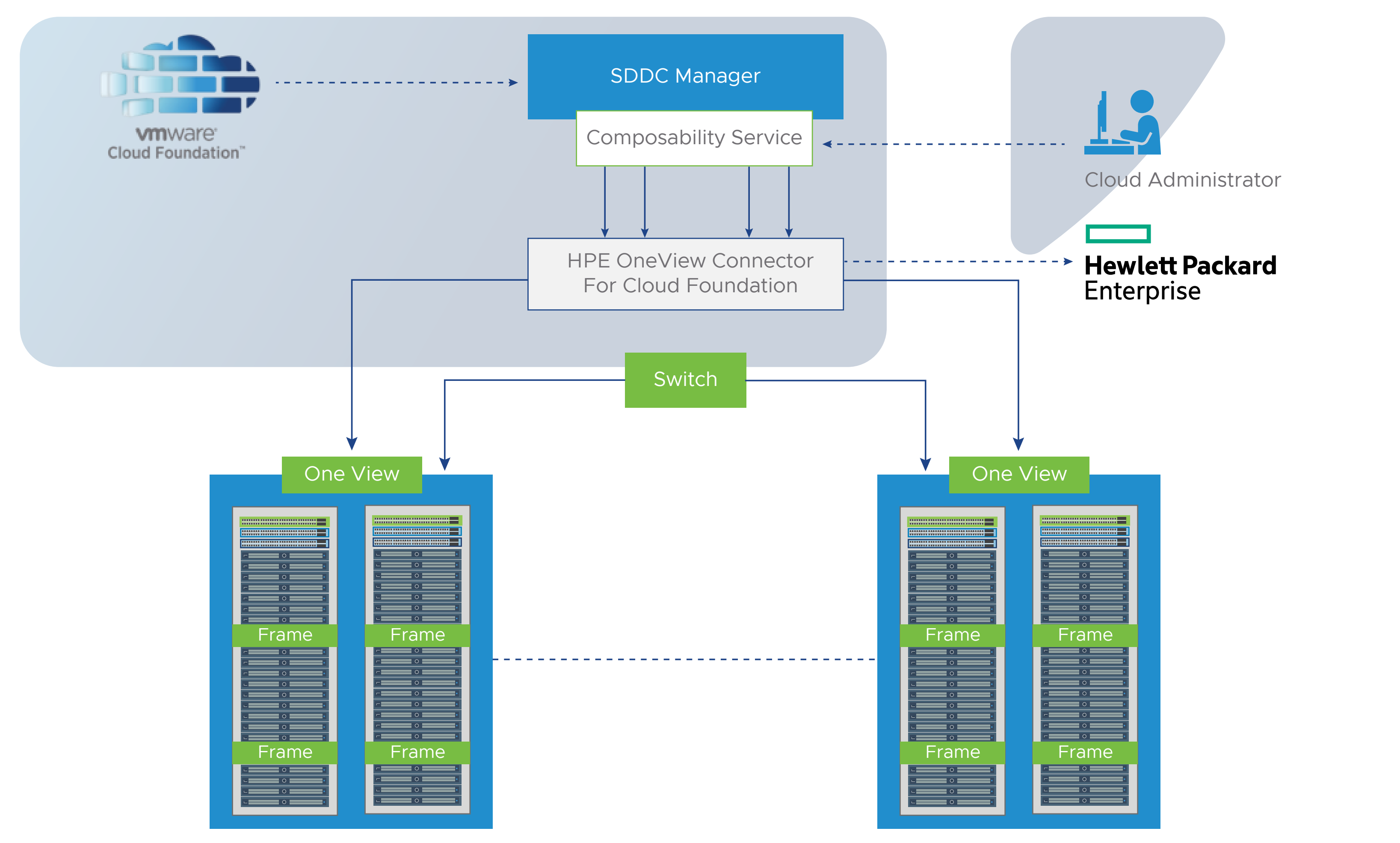


HPE Synergy Physical Infrastructure

Compose full pools of resources with HPE OneView & Cloud Foundation. Today, only HPE and VMware® can deliver a software-defined solution, running on modular infrastructure across compute, storage, network, security, and cloud management. Trust this next-generation solution to run all your enterprise apps—both traditional and containerized—in cloud environments.



HPE Synergy Architecture



Workload Domains

VMware Cloud Foundation now includes multi-cluster Workload Domains providing enhanced scalability. Workload domains start with a minimum of 3 hosts and can scale up to the vSphere/vSAN maximums. Each workload domain has its own vCenter Server and NSX Manager instance and can be patched or upgraded independently. Role based access controls can be used to secure and separate workload domains into different business units. While cloud administrators can have ultimate visibility across all workload domains with Enhanced Link Mode.

