

Software-defined Networking (SDN)

Fast and secure programmable networking

2

Compute Nodes

View All

⌵

8

Physical Disks

View All

⌵

Sunlight Software-defined Networking (SDN), a component of Sunlight HyperConverged Edge (HCE), embeds fast network switch support in every hypervisor node, enabling fully virtualised network deployments. Sunlight SDN enables the creation of virtual private networks, and bridging and routing between them. In addition Sunlight SDN allows you extend your AWS elastic network to your edge and on-prem Sunlight clusters. Sunlight SDN allows you to take advantage of the full available bandwidth of multiple 10/100Gb NICs with NIC teaming for the highest workload performance.

Networks

2

Total

Show Private Networks

Filter

Search

<input type="checkbox"/>	Name	Types	DHCP	IP Address Start	IP Address End
<input checked="" type="checkbox"/>	Physical NIC 0		Static	69.168.226.145	69.168.226.152

Create virtual private networks

- ☒ Create unlimited virtual private networks.
- ☒ Enable access to direct attached network segments directly from VMs.
- ☒ Enable multi-tenancy and separate security zones.

True NIC teaming

- ☒ Aggregates multiple NICs into a single virtual interface.
- ☒ Take advantage of full network bandwidth capability of the physical hardware.
- ☒ Virtual interface deals with physical NIC failure gracefully.

Integrates with AWS elastic networking

- ☒ Take advantage of AWS elastic network architecture.
- ☒ Map elastic IPs to Sunlight instances.
- ☒ Extend AWS elastic network interfaces securely to on-premise/edge clusters.