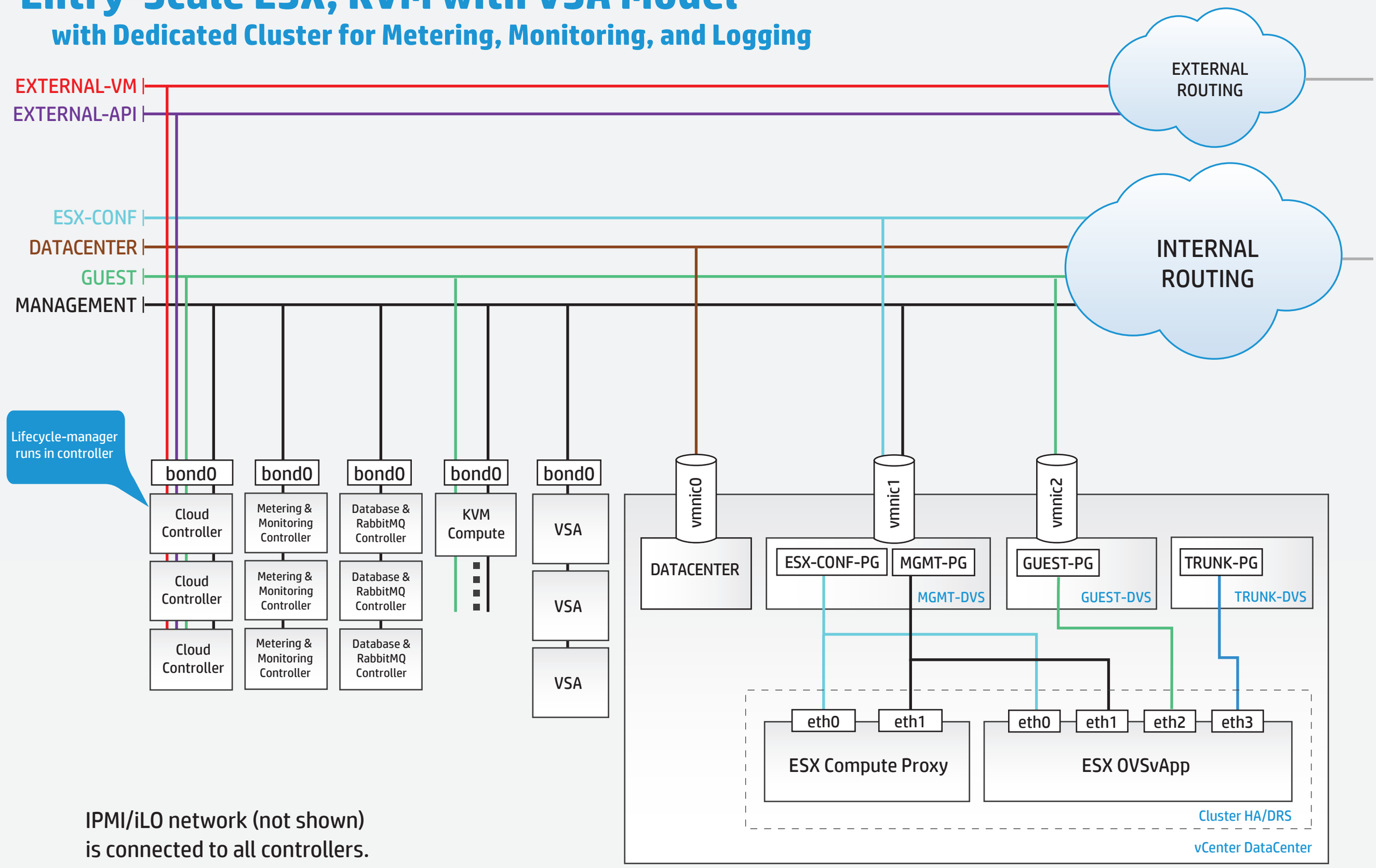
Entry-Scale ESX, KVM with VSA Model

with Dedicated Cluster for Metering, Monitoring, and Logging



IPMI/iLO network (not shown) is connected to all controllers.

	VLAN type	Interface
IPMI/iLO	untagged	IPMI/iLO
MANAGEMENT	tagged	bond0 / eth1
GUEST	tagged	bond0
DataCenter Management (DCM)	untagged	DCM
ESX-CONF	tagged	eth0
EXTERNAL-API	tagged	bond0
EXTERNAL-VM	tagged	bond0
TRUNK	trunk	eth3

Routing Notes:

- EXTERNAL-API must be reachable from EXTERNAL-VM.
- IPMI/iLO must be reachable from the lifecycle-manager for operating system install
- ESX-CONF network must be reachable from the lifecycle-manager for running ansible playbooks
- DataCenter Management (DCM) network must be reachable from the Management network. vCenter server and its resources are part of this network
- TRUNK network is internal to the vCenter Datacenter and is used by OVSvApp only. This is managed within HPE Helion OpenStack
- Other networks may be routed as Administrator requires.

Distributed Virtual Switch Configuration Notes:

DVS	PortGroups	Type	Uplink
DATACENTER		Access Port	vmnic0
MGMT-DVS	ESX-CONF - PG (ESX-CONF)	VLAN Trunk	vmnic1
	MGMT - PG (MANAGEMENT)	Access Port	
GUEST-DVS	Data - PG (GUEST)	VLAN Trunk	vmnic2
TRUNK-DVS	Trunk - PG (TRUNK)	VLAN Trunk	NA

Notes:

- GUEST-DVS & TRUNK-DVS will be automatically created by HPE Helion OpenStack. Uplinks can customized based on customer requirements in the EON service.