Scenario 1: Financial Services (Large European Bank)

Ask	The customer	wants to migrate their current virtualized environment to	a new platform	due to financial pressures from the current vendor.
Current Environment Specifications	Software & Data Center Config	VMware vSphere Foundation (from versions 6.5 to 8.0) physical data centers Main production data center (Naboo) DR / Dev data center (Coruscant) main vSphere vCenter	Workloads	18k workloads Mix of Operating Systems 70% windows Windows Server 2003 - 10 % Windows 2016 - 50 % Windows Server 2019 - 30 %
	Hardware	Total of 254 hypervisors 55% of hypervisors in Naboo 45% of hypervisors in Coruscant Dell Technologies is the preferred server vendor		■ Windows Server 2022 - 10 % 25% Linux ■ RHEL 7 - 45% ■ Ubuntu Server - 25 % ■ RHEL 8 - 30% ○ 5% Other ■ Solaris various (80%) ■ OpenServer (20%)
	Connectivity	Cisco is the preferred network vendor Cisco Nexus are in use CLOS Leaf-Spine topology deployed Server Network Interface Controllers: 4x 10 gbps 2x management/oob network 2x data plane network 1x FC HBA connected to MDS Switches		■ Openserver (20%)
	Storage	Dell Technologies is the preferred Storage vendor Storages in use: Dell PowerMax (tier 1) - 400TB Dell PowerFlex (tier 2) - 800TB Local Storage [raid 5 sas] (tier 3) - 900TB		
Other Considerations	• Other	There is no new hardware for migrating virtual machines; re-use is The customer wants OpenShift Virtualization exclusively on bare m Security compliance needs to be taken into account for the design.	etal, with no contain	er workloads. ••••••••••••••••••••••••••••••••••••

Scenario 2: Tier 1 Telco

Ask	The customer war	nts to migrate 1440 hypervisors to a new platform due to financial pressu	ires from the current	vendor and to have an opportunity to modernize.
Current Environment Specifications	Software & Data Center Config	VMware vSphere Foundation 12 physical data centers (3 per network zones) 4 vSphere vCenter Divided into network zones:	Workloads	
		Equally distributed between all data centers		○ 25% Linux ■ RHEL 7 - 35% ■ Ubuntu Server - 25 % ■ RHEL 8 - 30 % ■ RHEL 9 - 10%
	Connectivity	Uniper Fabric CLOS Leaf-Spine topology deployed Servers: 2x 1gbps NIC management/oob network 2x 10 gbps NIC 1 - data 1 FC HBA to Brocade Switch		o 5% Other ■ Solaris various (30%) ■ Other Unix (80%)
	Storage	Various types of storage, including: EMC Symmetric Oracle FS1 Dell EqualLogic Pure FlashArrayX VMware VSAN		
Other Considerations	Other things to consider: No NSX in use New hardware can be procured with a refresh cycle; reusing will be good The customer wants OpenShift for virtualization and container workloads The customer wants to use new container & application management technologies to manage virtual machines (gitops, etc.) 20% of the workloads are telco network workloads: VEPC VRAN 80% of the workloads are IT workloads, including: JBOSS servers , Databases (Microsoft SQL Server) , .NET 8.x applications			

Scenario 3: Government Agency

Ask	The customer wants to migrate their current virtualized environment to a new platform due to financial pressures from the current vendor.				
Current Environment Specifications	vironment Data Center Config Westerns 4 Physical data centers 3 main DCs Westerns				
	Hardware Total of 820 hypervisors Mix of Cisco Servers and HPE	■ Windows Server 2022 - 20 %			
	Connectivity Mix: Cisco Nexus / Dell PowerSwitch CLOS leaf-spine topology Servers: 2x 10gbps NIC manager 4x 25 gbps Multiple Multiple Multiple	RHEL 8 - 30 % RHEL 9 - 10% SLES - 5% Other Linux - 5% Solaris various (30%) Other Unix (80%)			
Other Considerations	Other things to consider: NSX is in use No hardware to be procured The customer wants OpenShift for virtualization and container workl Microsegmentation is a must as part of the proposal High Availability is a must for all components of the design (no SPO) Some specific workloads:	loads. Wants proposal for container workload virtualized and in bare metal. PF) Red Hat			

Scenario 4: Large Automotive Manufacturer

Ask	The customer wants to migrate their current virtualized environment to a new platform due to financial pressures from the current vendor.			
Current Environment Specifications	Software & Data Center Config	VMware Cloud Foundation 2 main DCs motor-city wind-city 16 in-factory Data Centers Running all production workloads for the factory (including the assembly line)	Workloads	• ~75K workloads • Mix of Operating Systems • 40% windows • Windows Server 2K - a few • Windows Vista - 2% • Windows XP - 3% • Windows Server 2003 - 10 % • Windows 2016 - 45 % • Windows Server 2019 - 20 % • Windows Server 2022 - 20 % • S5% Linux • RHEL 7 - 35%
	Hardware	Total of 1500 hypervisors Mix of Cisco Servers and HPE		
	Connectivity	Mix: Cisco Nexus / Dell PowerSwitch CLOS leaf-spine topology Servers: 2x 10gbps NIC management 4x 25 gbps NIC data		■ Ubuntu Server - 15 % ■ RHEL 8 - 30 % ■ RHEL 9 - 10% ■ SLES - 5% ■ Other Linux - 5%
	Storage	 Multiple NetApp NAS Multiple Pure Storage SAN 		
Other Considerations	Other things to consider: NSX is in use No hardware to be procured The customer wants OpenShift for virtualization and container workloads. Wants proposal for container workload virtualized and in bare metal. Microsegmentation is a must as part of the proposal High Availability is a must for all components of the design (no SPOF) Some specific workloads: SAP Datagrid Red Ha			

Scenario 5: Healthcare Provider Company

Ask	The customer war	nts to migrate 4400 hypervisors to a new platform due to financial press	sures from the current v	vendor and to have an opportunity to modernize.
Current Environment Specifications	Software & Data Center Config	VMware vSphere Foundation 8 physical data centers (2 per network zones) 4 vSphere vCenter Divided into network zones: Malaga Madrid Barcelona Vigo	Workloads	• ~80K workloads • Mix of Operating Systems • 60% windows • Windows XP - 3% • Windows Server 2003 - 10 % • Windows Server 2016 - 45 % • Windows Server 2019 - 20 % • Windows Server 2022 - 20 % 35% Linux • RHEL 7 - 35% • Ubuntu Server - 25 % • RHEL 8 - 30 % • RHEL 9 - 10% • Solaris various (30%) • Other Unix (80%)
	Hardware	Total of 4400 hypervisors ○ Equally distributed between all data centers Various hardware technologies being used		
	Connectivity	 Juniper Fabric CLOS Leaf-Spine topology deployed Servers: 2x 1gbps NIC management/oob network 2x 10 gbps NIC 1 - data 		
	Storage	Various types of storage, including: Pure FlashArrayX VMware VSAN		
Other Considerations	Other things to consider: New hardware can be procured with a refresh cycle; reusing will be good The customer wants OpenShift for virtualization and container workloads The customer wants to use new container & application management technologies to manage virtual machines (gitops, etc.)			
				≪ Red Ha