

Implementing and Troubleshooting the Cisco Cloud Infrastructure (300-460)

Exam Description: The 300-460 (CLDINF) Implementing and Troubleshooting the Cisco Cloud Infrastructure is a 90-minute, 55-65 question assessment that is associated with the CCNP Cloud Certification. This exam tests a candidate's knowledge and ability to: setup Cloud infrastructure including physical and virtual Data Centers; implement Storage infrastructure and connectivity; implement Network infrastructure and connectivity; implement Compute; troubleshoot Cloud workflows or applications; and identify infrastructure operational domains. Candidates can prepare for this assessment by taking the Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF v1.0) course.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. In order to better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

- 16% 1.0 Knowledge of Cloud Infrastructure**
 - 1.1 Demonstrate practical experience of both physical and virtual Data Centers
 - 1.1.a Validate physical connection to LAN, SAN
 - 1.1.b Management connection
 - 1.1.c Server ports to chassis
 - 1.1.d Virtual fiber channel
 - 1.1.e Domain Virtual Machine Manager (VMM)
 - 1.1.f Configuring UCS service profiles, vNICs & templates
 - 1.2 Setup hypervisor
- 21% 2.0 Storage**
 - 2.1 Implement storage infrastructure
 - 2.1.a Block Storage
 - 2.1.a.1 Zoning
 - 2.1.a.2 Describe initiator and target relationship
 - 2.1.a.3 Boot targets
 - 2.1.a.4 Setup LUN/Volume on storage controller
 - 2.1.b File Storage
 - 2.1.b.1 Mount point vs. shares
 - 2.2 Implement storage connectivity
 - 2.2.a Configure vHBA
 - 2.2.b Configure WWPN pool
 - 2.2.c Configure WWN Pool
 - 2.2.d Configure iSCSI pool

		2.2.e	Configure VSAN group
		2.2.f	Configure boot order/ boot policy
		2.2.g	Configure local storage / disk policy (RAID)
		2.2.h	Describe protected config
22%	3.0	Network Tasks	
	3.1	Implement network infrastructure	
	3.1.a	Nexus 1000v / Distributed Virtual Switch (DVS)	
	3.1.b	Virtual switch	
	3.2	Implement network connectivity	
	3.2.a	vNICs	
	3.2.b	MAC pool	
	3.2.c	IP Management pool	
	3.2.d	UUID pool	
	3.2.e	Port-profiles / port groups	
	3.2.f	VLAN group, VXLAN	
23%	4.0	Compute	
	4.1	Implement Compute	
	4.1.a	Virtual	
		4.1.a.1	Install Hypervisors
		4.1.a.2	Configure templates
		4.1.a.3	Configure resource pools
	4.1.b	Physical	
		4.1.b.1	Bare Metal
		4.1.b.1.1	OS image / template
		4.1.b.1.2	PXE boot
		4.1.b.1.3	Lights out management
	4.1.c	UCSM	
		4.1.c.1	Service profiles
		4.1.c.2	Boot policy
18%	5.0	Troubleshooting knowledge of Infrastructure	
	5.1	Troubleshoot context of workflow or applications	
	5.1.a	Describe troubleshooting methodologies	
	5.1.b	Templates	
	5.1.c	Orchestration	
	5.1.d	Provisioning	
	5.2	Identify operational domains	
	5.2.a	Storage	
	5.2.b	Networking	
	5.2.c	Virtualization	
	5.2.d	Compute	