System VM Network Assignmens

Public Subnet: 209.229.131.0/24
Management Subnet: 192.168.1.0/24
Storage Subnet: 172.16.0.0/24
Default Guest Subnet: 10.0.1.0/24

Network Terminology

Public Subnet – Network directly on either the public internet or with public access. If CloudStack is in a completely private environment (e.g. inside a corporate network) this is the outward facing address assigned to the virtual router that all traffic is NAT'd through
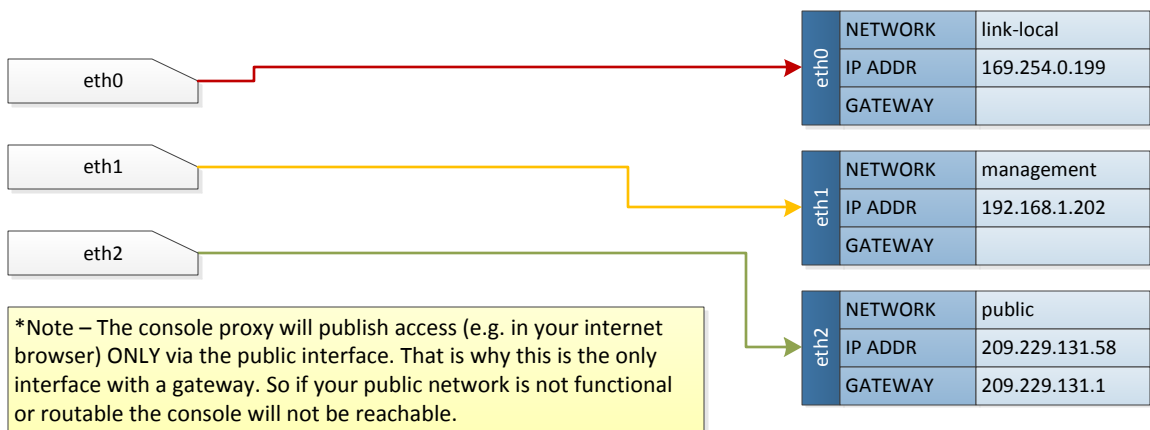
Management Subnet – Somewhat self explanatory but this is the network that the management server lives on, as well as your VM hosts and anything else for CloudStack to management.

Storage – As it relates to CloudStack, this is an optional network dedicated to secondary storage. If not specified, the management network will be assumed for this role.
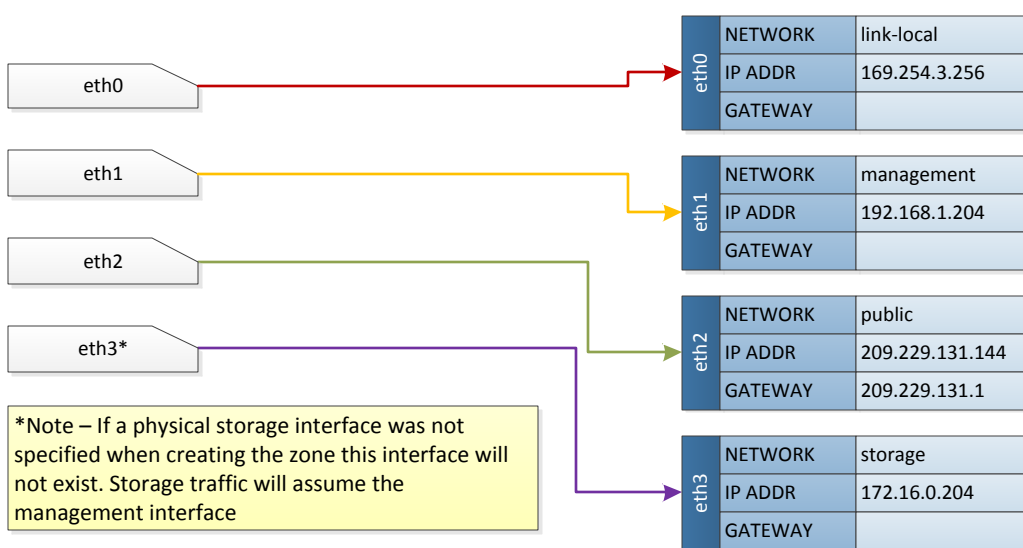
Guest Subnet – Unless a custom network is created, this subnet is used for the network and VLAN created for the guest VMs within a domain, project, and/or account.

Link Local – A special type of virtual interface that exists only between the host and VM. This interface is created on all system VMs as a way to interact with it securely. *NOTE: VMware does not support link-local interfaces so this interface will not exist if you are running VMware.

Console Proxy (CPVM)

eth0		
	NETWORK	link-local
	IP ADDR	169.254.0.199
	GATEWAY	

eth1		
	NETWORK	management
	IP ADDR	192.168.1.202
	GATEWAY	

eth0

eth1

eth2

*Note – The console proxy will publish access (e.g. in your internet browser) ONLY via the public interface. That is why this is the only interface with a gateway. So if your public network is not functional or routable the console will not be reachable.

eth2		
	NETWORK	public
	IP ADDR	209.229.131.58
	GATEWAY	209.229.131.1

Secondary Storage VM (SSVM)

eth0

eth1

eth2

eth3*

eth0		
	NETWORK	link-local
	IP ADDR	169.254.3.256
	GATEWAY	

eth1		
	NETWORK	management
	IP ADDR	192.168.1.204
	GATEWAY	

eth2		
	NETWORK	public
	IP ADDR	209.229.131.144
	GATEWAY	209.229.131.1

*Note – If a physical storage interface was not specified when creating the zone this interface will not exist. Storage traffic will assume the management interface

eth3		
	NETWORK	storage
	IP ADDR	172.16.0.204
	GATEWAY	

Virtual Router (DOMR)

eth0

eth1

eth2

eth0		
	NETWORK	guest
	IP ADDR	10.0.1.1
	GATEWAY	

eth1		
	NETWORK	link-local
	IP ADDR	169.254.1.134
	GATEWAY	

eth2		
	NETWORK	public
	IP ADDR	209.229.131.222
	GATEWAY	209.229.131.1