

Example Host Network Layout - Physical

Example Network

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(s) live on as well as your VM hosts and anything else for CloudStack to manage.

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 different network is specified, this subnet is used for the network and VLAN created for the guest VMs with 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 in VMware environments.

*** Note** -- Where a CIDR is specified it is because those virtual interfaces are created and managed by CloudStack so IP address assignment is done at a guest (VM) level and therefore no configuration is required on the hypervisor directly. It is noted for reference. Where an IP address is specified, that interface would be configured on the hypervisor/host directly to provide that host with direct access to that network.

Color Key	
Public	→
Management	→
Storage	→
Guest	→
Link-local	→

Basic Networking - Host with 2 physical NICs

