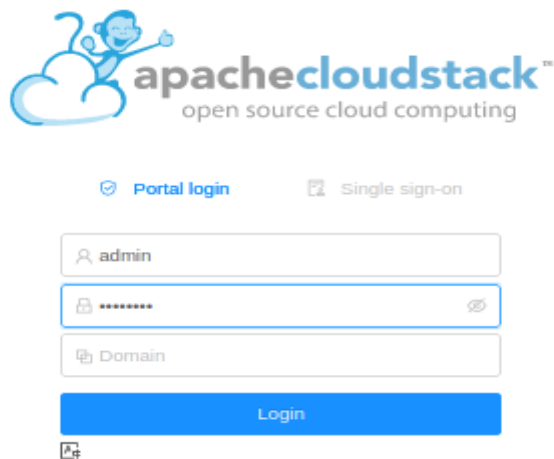


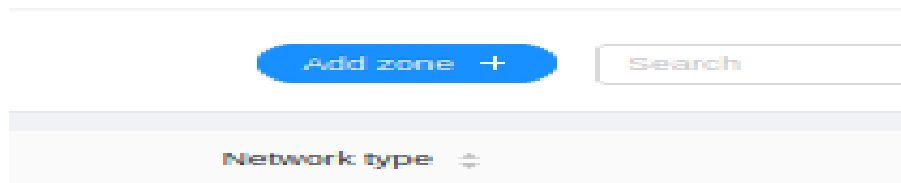
Creation of the cluster, pods, zone, and hosts.

Infrastructure>>add zone >> zone type: Core>>network
Type:Advanced>>Zone details>>Network Config>>Pod Details>>Host
Details>>primary Storage Details>>Secondary Storage Details>>Launch

1.Open cloudstack



2. Choose Infrastructure>zone >Add Zone



3.Choose Zone Type And Enter Zone details.

CloudStack 4.18.1.0 | Report issue

Add zone +
Search

Add zone ⓘ

1 Zone type
2 Core zone type
3 **Zone details**
4 Network
5 Add resources
6 Launch

A zone is the largest organizational unit in CloudStack, and it typically corresponds to a single datacenter. Zones provide physical isolation and redundancy. A zone consists of one or more pods (each of which contains hosts and primary storage servers) and a secondary storage server which is shared by all pods in the zone.

* Name: RM21a015-1
IPv4 DNS1: 8.8.8.8
IPv4 DNS2:
IPv6 DNS1:
IPv6 DNS2:
* Internal DNS 1: 8.8.8.8
Internal DNS 2:
* Hypervisor: KVM
Network domain:
Guest CIDR: 10.1.1.0/24

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Next

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4. then on network select Next

Add zone ⓘ

1 Zone type
2 Core zone type
3 Zone details
4 **Network**
5 Add resources
6 Launch

Physical network
Public traffic
Pod
Guest traffic

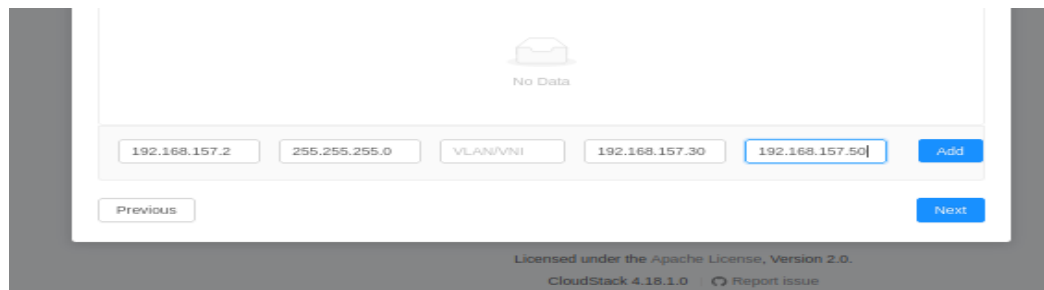
When adding a zone, you need to set up one or more physical networks. Each network corresponds to a NIC on the hypervisor. Each physical network can carry one or more types of traffic, with certain restrictions on how they may be combined. Add or remove one or more traffic types onto each physical network.

Network name	Isolation method	Traffic types
Physical Network 1	VLAN	<div> GUEST MANAGEMENT PUBLIC + Add traffic </div>

Add physical network

Previous
Next

5. Then provide gateway,netmask and starting and ending subnets



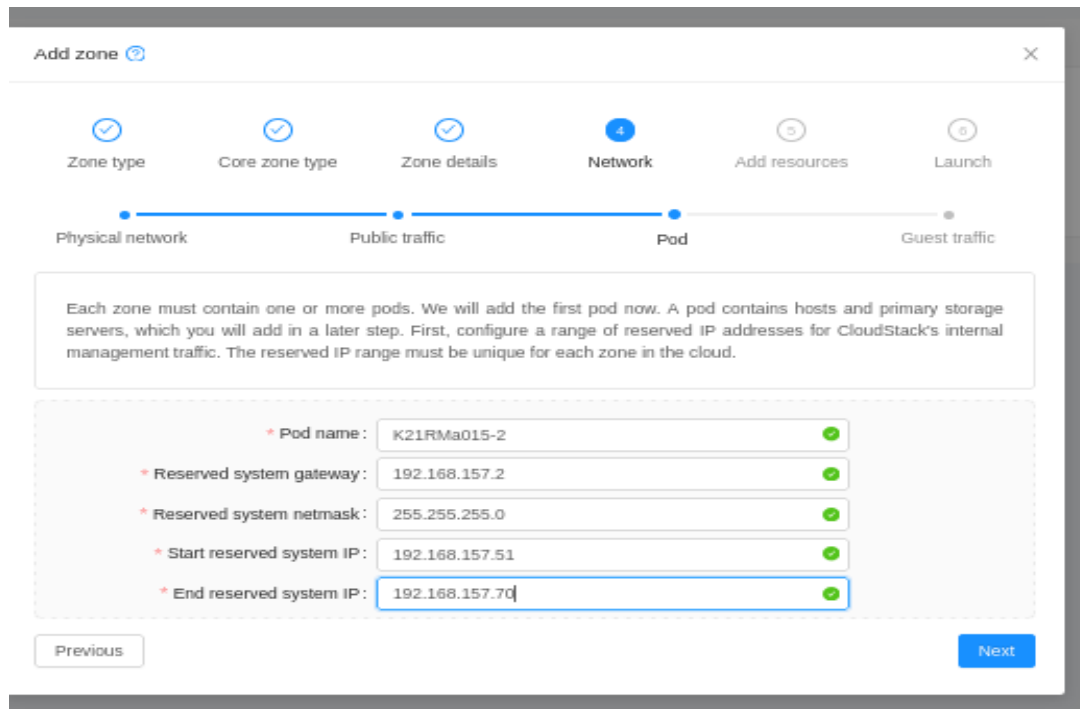
No Data

192.168.157.2	255.255.255.0	VLAN/VNI	192.168.157.30	192.168.157.50	Add
---------------	---------------	----------	----------------	----------------	-----

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6.Add Pod Details



Add zone ⓘ

Zone type ✓ Core zone type ✓ Zone details ✓ **Network 4** Add resources 5 Launch 6

Physical network Public traffic **Pod** Guest traffic

Each zone must contain one or more pods. We will add the first pod now. A pod contains hosts and primary storage servers, which you will add in a later step. First, configure a range of reserved IP addresses for CloudStack's internal management traffic. The reserved IP range must be unique for each zone in the cloud.

* Pod name: K21RMa015-2 ✓

* Reserved system gateway: 192.168.157.2 ✓

* Reserved system netmask: 255.255.255.0 ✓

* Start reserved system IP: 192.168.157.51 ✓

* End reserved system IP: 192.168.157.70 ✓

Previous Next

7.choose Vlan range from 700 to 900

Add zone

Zone type Core zone type Zone details **Network** Add resources Launch

Physical network Public traffic Pod Guest traffic

Guest network traffic is communication between end-user virtual machines. Specify a range of VLAN IDs or VXLAN network identifiers (VNIs) to carry guest traffic for each physical network.

VLAN/VNI range: 700 - 900

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8.Add Cluster Name:

Add zone

Zone type Core zone type Zone details Network **Add resources** Launch

Cluster IP address Primary storage Secondary storage

Each cluster must contain at least one host (computer) for guest VMs to run on. We will add the first host now. For a host to function in CloudStack, you must install hypervisor software on the host, assign an IP address to the host, and ensure the host is connected to the CloudStack management server.

Give the host's DNS or IP address, the user name (usually root) and password, and any labels you use to categorize hosts.

* Host name: 192.168.157.128

* Username: admin

Authentication Method: Password System SSH Key

* Password: *****

Tags:

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9. Add primary storage to cluster and secondary storage to zone as shown:

Add zone

Zone type

Core zone type

Zone details

Network

Add resources

Launch

Cluster

IP address

Primary storage

Secondary storage

Each cluster must contain one or more primary storage servers. We will add the first one now. Primary storage contains the disk volumes for all the VMs running on hosts in the cluster. Use any standards-compliant protocol that is supported by the underlying hypervisor.

* Name:

K21Rma-015-4

Scope:

Cluster

* Protocol:

nfs

* Server:

192.168.157.128

* Path:

/export /primary

* Provider:

DefaultPrimary

Storage tags:

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Next

Add zone

Zone type

Core zone type

Zone details

Network

Add resources

Launch

Cluster

IP address

Primary storage

Secondary storage

Each zone must have at least one NFS or secondary storage server. We will add the first one now. Secondary storage stores VM templates, ISO images, and VM disk volume snapshots. This server must be available to all hosts in the zone.

Provide the IP address and exported path.

Provider:

NFS

Name:

K21Rma-015-5

* Server:

192.168.157.128

* Path:

/export /secondary

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Next

10. Click on Launch and it is launches as shown in snapshot below:

