

3. cluster

[http:// Server :8080](http://Server:8080)

:admin

:password



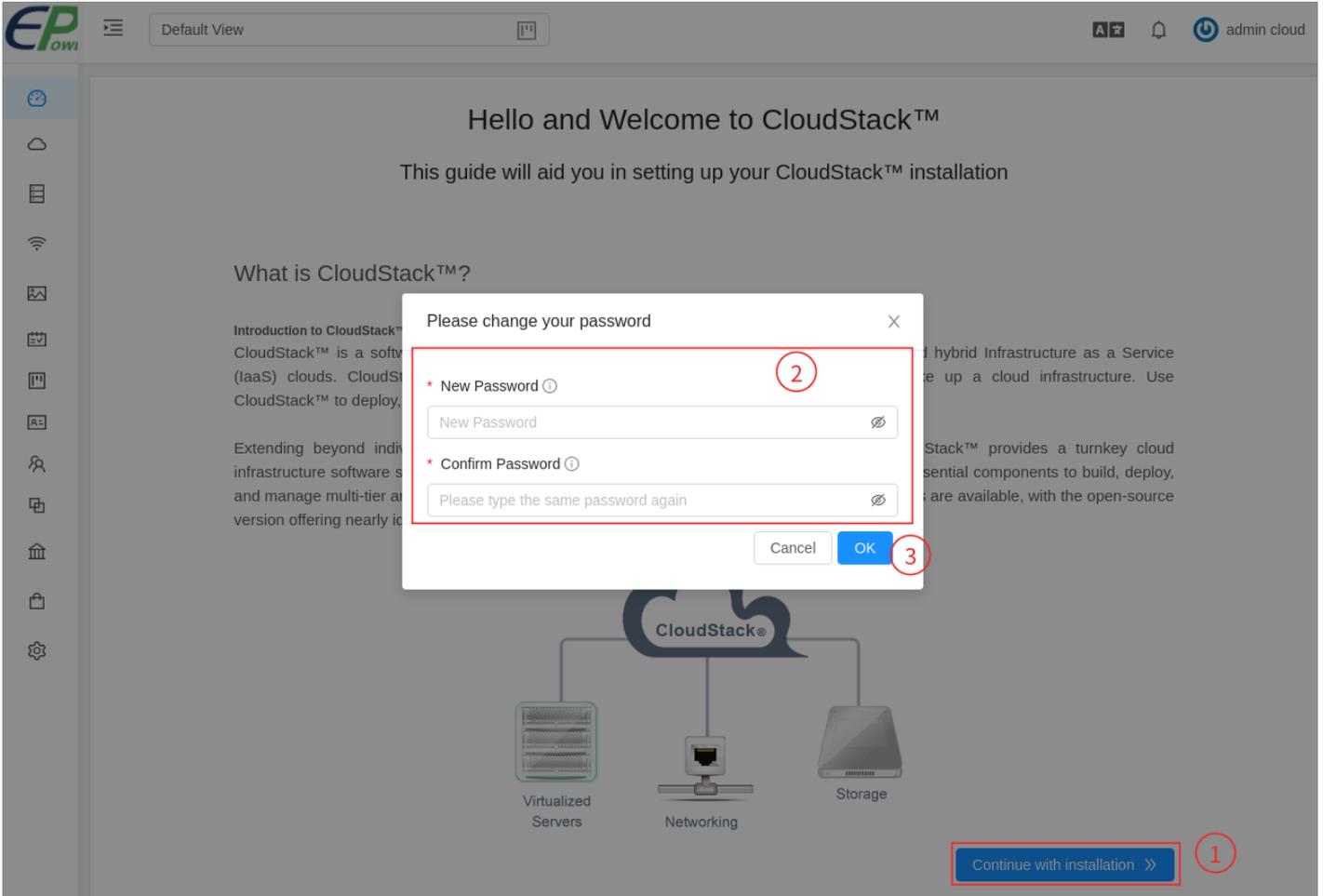
Portal Login

Single Sign-On

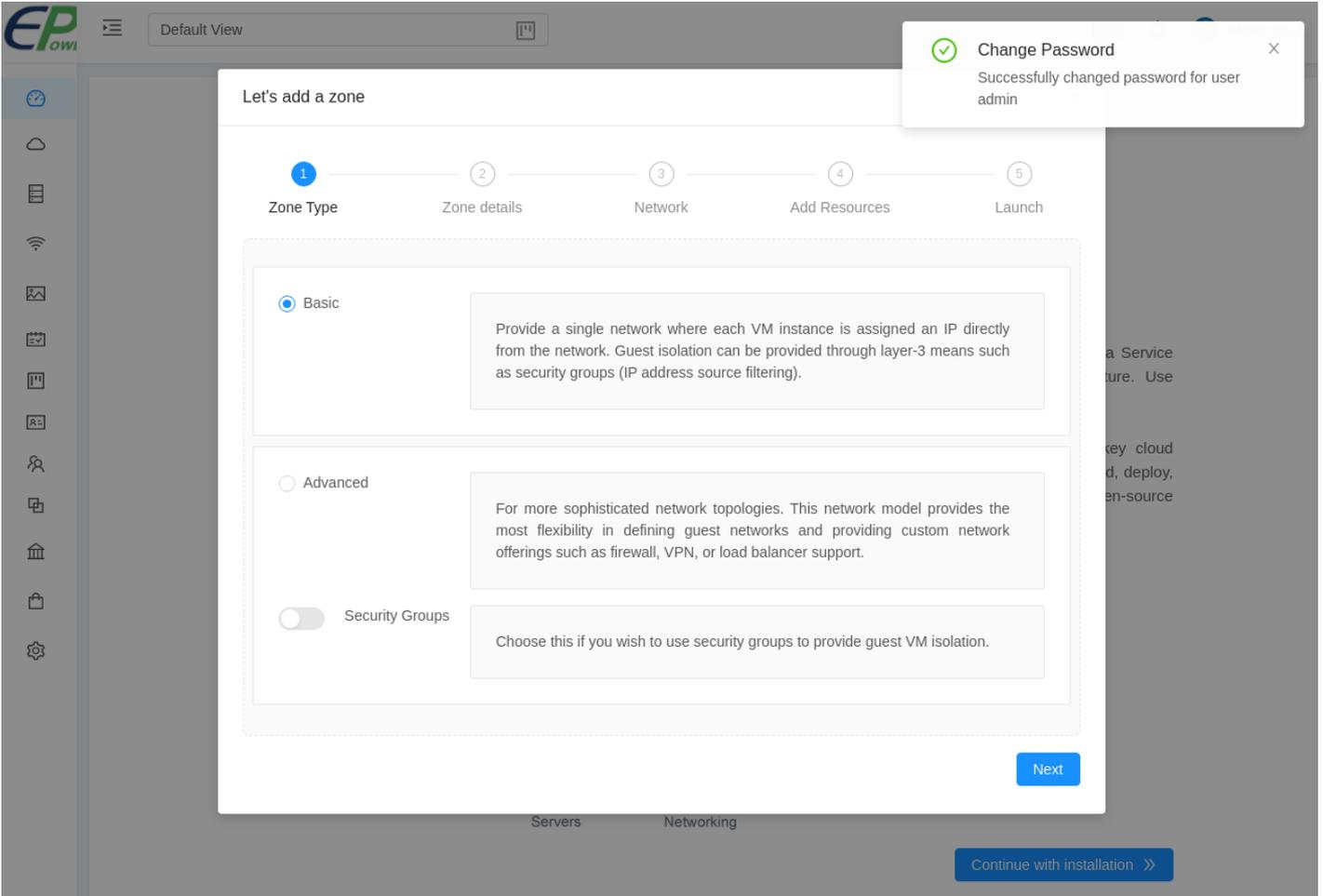
Login



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Basic→Next



DNS

???Hinet DNS 168.95.1.1

???Google DNS 8.8.8.8

Let's add a zone



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:	<input type="text" value="Z1"/>	✓
* IPv4 DNS1:	<input type="text" value="168.95.1.1"/>	✓
IPv4 DNS2:	<input type="text" value="8.8.8.8"/>	✓
* Internal DNS 1:	<input type="text" value="168.95.1.1"/>	✓
Internal DNS 2:	<input type="text" value="8.8.8.8"/>	✓
* Hypervisor:	<input type="text" value="KVM"/>	✓
Network Offering:	<input type="text" value="Offering for Shared Security group enabled net..."/>	✓
Network Domain:	<input type="text"/>	

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eth0

Hello and Welcome to CloudStack™

Let's add a zone

1 Zone Type 2 Zone details 3 Network 4 Add Resources 5 Launch

Physical Network Pod Guest Traffic

When adding a basic zone, you can set up one physical network, which corresponds to a NIC on the hypervisor. The network carries several types of traffic.

You may also **add** other traffic types onto the physical network.

Network Name	Isolation method	Traffic Types
<input type="text" value="eth0"/>	<input type="text" value="VLAN"/>	<div>MANAGEMENT GUEST + Add Traffic</div>

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Servers Networking

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ip 131 139 ip

Let's add a zone ✕

Zone Type ✓ — Zone details ✓ — **Network** 3 — Add Resources 4 — Launch 5

Physical Network — **Pod** — Guest Traffic

Each zone must contain in one or more pods, and 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 :	<input type="text" value="P1"/>	✓
* Reserved system gateway :	<input type="text" value="192.168.31.1"/>	✓
* Reserved system netmask :	<input type="text" value="255.255.255.0"/>	✓
* Start Reserved system IP :	<input type="text" value="192.168.31.131"/>	✓
End Reserved system IP :	<input type="text" value="192.168.31.139"/>	✓

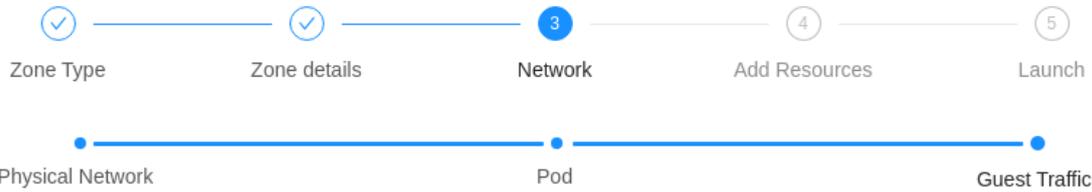
[Continue with installation >>](#)

ip 141 149 ip

Hello and Welcome to CloudStack™

Let's add a zone

X



Guest network traffic is communication between end-user virtual machines. Specify a range of IP addresses that CloudStack can assign to guest VMs. Make sure this range does not overlap the reserved system IP range.

Guest Gateway :	<input type="text" value="192.168.31.1"/>	✓
Guest Netmask :	<input type="text" value="255.255.255.0"/>	✓
Guest start IP :	<input type="text" value="192.168.31.141"/>	✓
Guest end IP :	<input type="text" value="192.168.31.149"/>	✓

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Servers

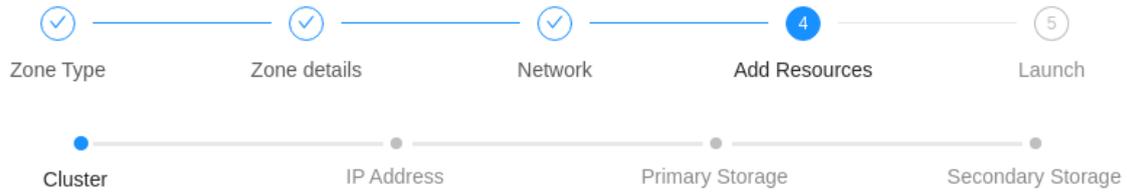
Networking

Continue with installation >>

Hello and Welcome to CloudStack™

This guide will aid you in setting up your CloudStack™ installation.

Let's add a zone



Each pod must contain one or more clusters, and we will add the first cluster now. A cluster provides a way to group hosts. The hosts in a cluster all have identical hardware, run the same hypervisor, are on the same subnet, and access the same shared storage. Each cluster consists of one or more hosts and one or more primary storage servers.

* Cluster Name:

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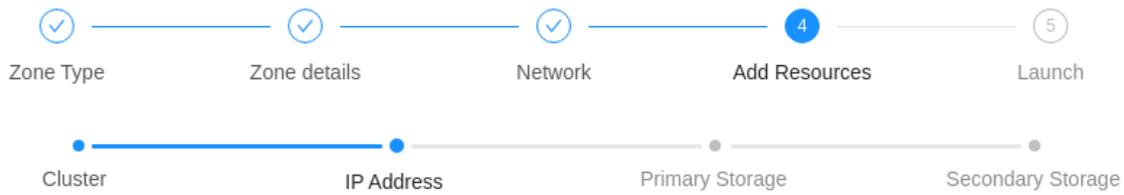
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IP

Hello and Welcome to CloudStack™

Let's add a zone



Each cluster must contain at least one host (computer) for guest VMs to run on, and 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: ✓

* Username: ✓

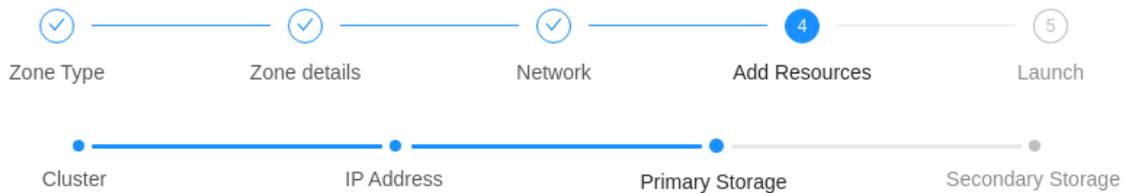
* Password: ✓

Tags:

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Let's add a zone



Each cluster must contain one or more primary storage servers, and 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: ✓

Scope:

* Protocol: ✓

Hello and Welcome to CloudStack™

This guide will aid you in setting up your CloudStack™ installation

What is CloudStack™?

Let's add a zone

Zone Type Zone details Network Add Resources **5 Launch**

✔ Zone is ready to launch; please proceed to the next step.

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Let's add a zone

Zone Type Zone details Network Add Resources **5 Launch**

Please wait while your zone is being created; this may take a while...

- ✔ Creating zone
- ✔ Creating physical networks
- ✔ Configuring physical networks
- ✔ Enabling Security Group provider
- ✔ Creating guest network
- ⏸ Creating pod



Please wait while your zone is being created; this may take a while...

- ✓ Creating physical networks
- ✓ Configuring physical networks
- ✓ Enabling Security Group provider
- ✓ Creating guest network
- ✓ Creating pod
- ✓ Configuring guest traffic
- ✓ Creating cluster
- ~ Adding host

Let's add a zone



Please wait while your zone is being created; this may take a while...

- ✓ Creating guest network
- ✓ Creating pod
- ✓ Configuring guest traffic
- ✓ Creating cluster
- ✓ Adding host
- ✓ Creating primary storage
- ✓ Creating secondary storage
- ✓ Zone creation complete

Enable Zone

Z1 Fetch latest

Memory 0.00% 0.00 GB / 6.68 GB	CPU 0.00% 0.00 GHz / 8.32 GHz	Storage 0.71% 1.43 GB / 199.90 GB	Secondary Storage 0.00% 0.00 GB / 0.00 GB
GPU 0.00% 0 / 0	CPU Cores 0.00% 0 / 4		

- 25 Nov 2021 05:32:11
[ZONE.EDIT](#)
(admin) Successfully completed editing zone. Zone Id: 1
- 25 Nov 2021 05:32:11
[TRAFFIC.TYPE.CREATE](#)
(admin) Successfully created entity for Creating Physical Network TrafficType. Zone Id: 1
- 25 Nov 2021 05:30:07
[CA.CERTIFICATE.ISSUE](#)
(admin) Successfully completed issuing certificate. domain(s): [192.168.31.121, 192.168.31.121] addresses: [192.168.31.121]
- 25 Nov 2021 05:30:07
[CA.CERTIFICATE.ISSUE](#)

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