

vinchin

VINCHIN BACKUP & RECOVERY V4.0

Quick Installation Guide

Install on VMware Virtual Server

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成都云祺科技有限公司
Chengdu Vinchin Technology Co.,Ltd.



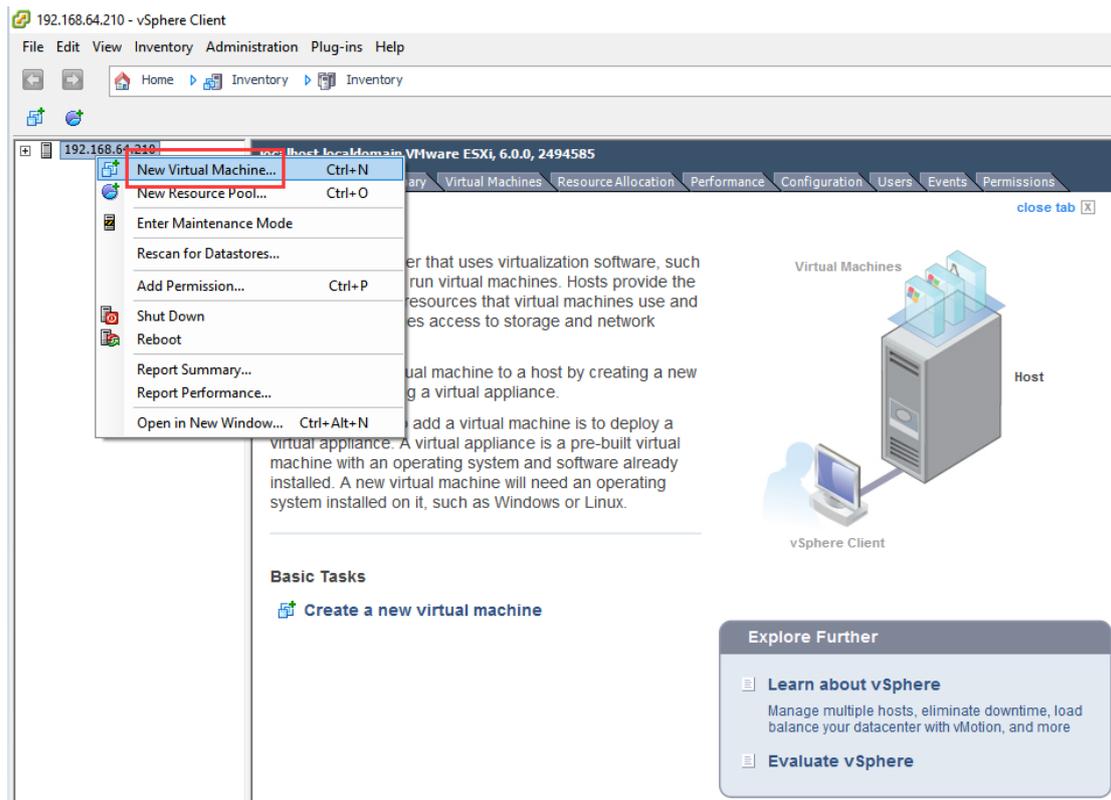
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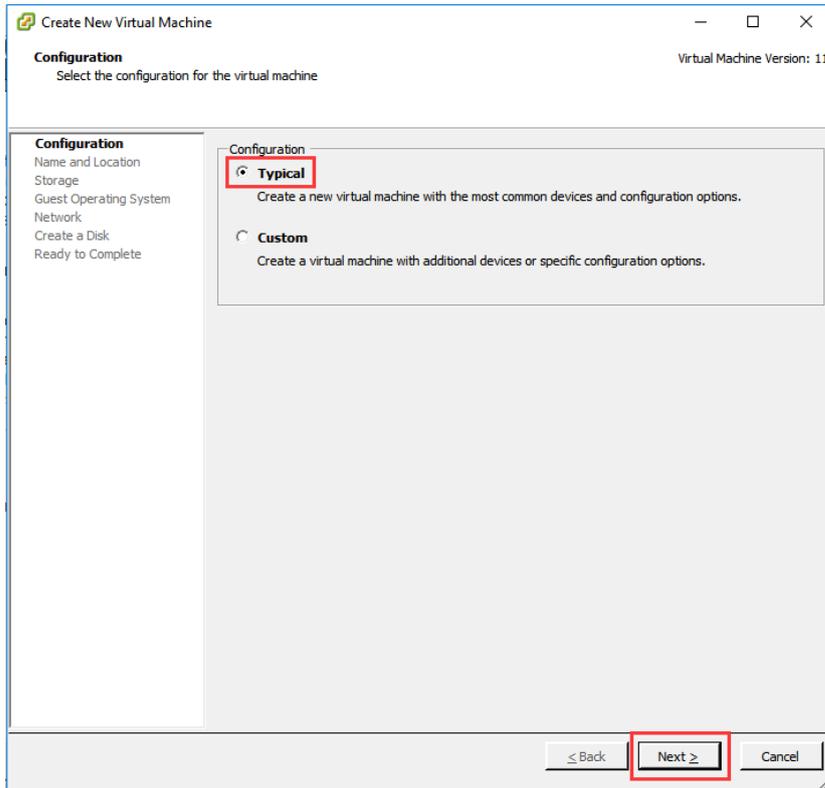
Create New Virtual Machine

To install the Vinchin Backup & Recovery on a VMware vSphere ESXi host, first you need to connect the vSphere Client with the host or vCenter. Then create a new virtual machine via the vSphere Client. After that, you can install the Vinchin backup server ISO file.

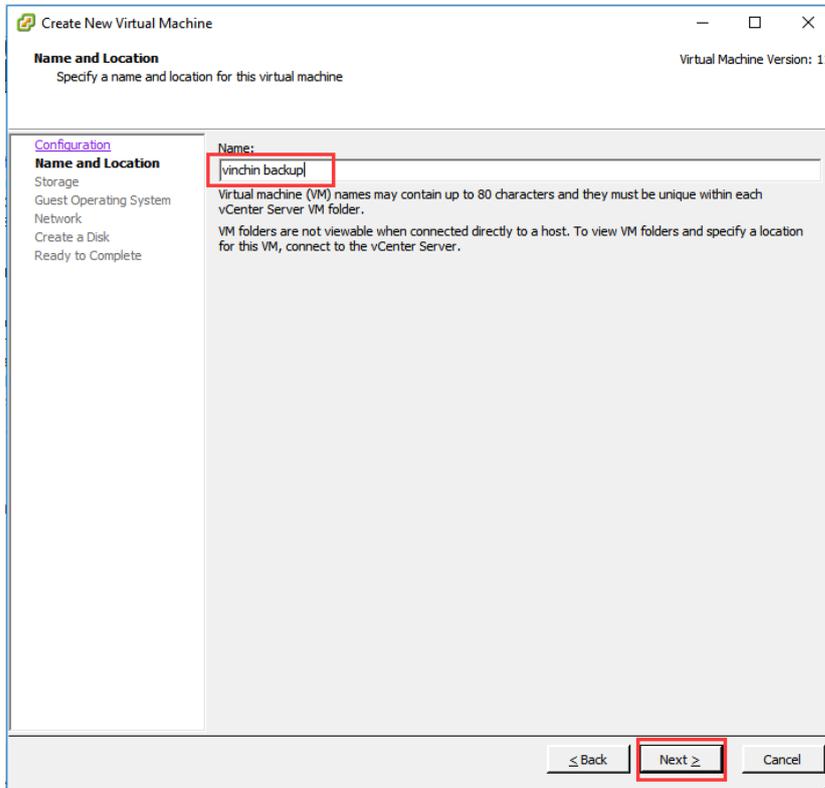
Right click a target host, then click [**New Virtual Machine...**] to create a new VM.



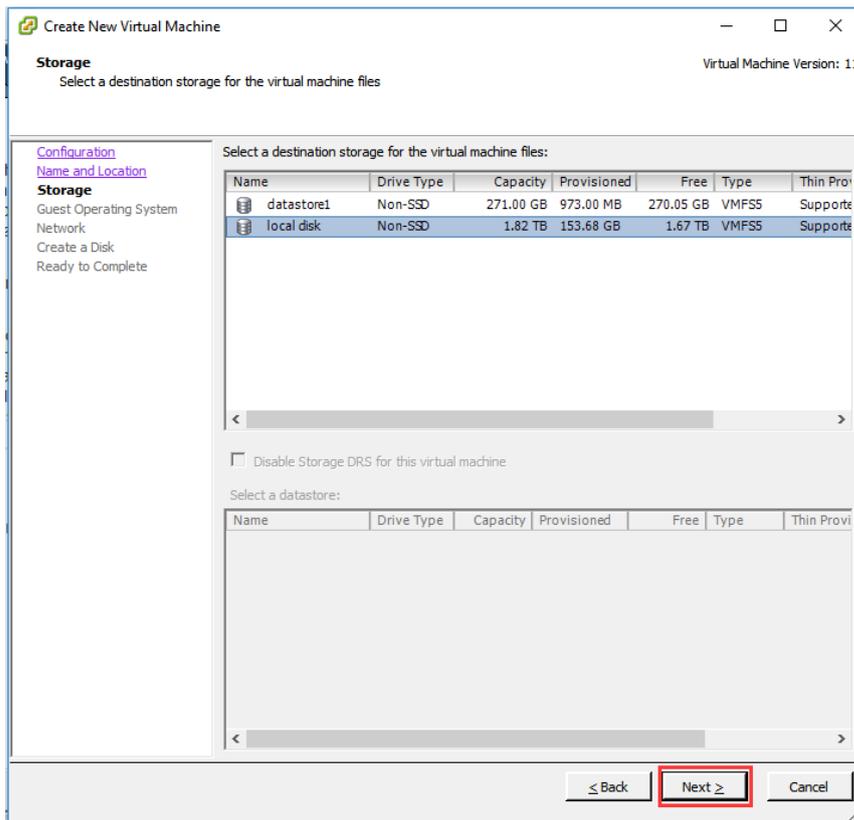
Select **“Typical”** by default in the VM creating page, and click **[Next]** to the next page.



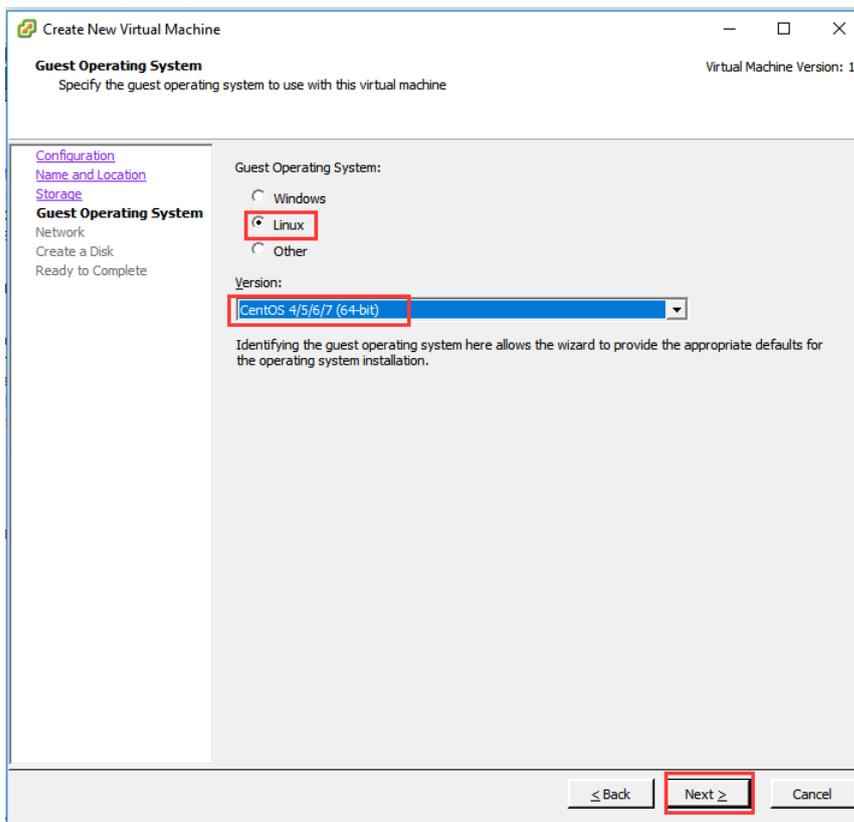
Type a name for the new VM and click **[Next]**.



Select a destination storage for the new VM and click [Next].

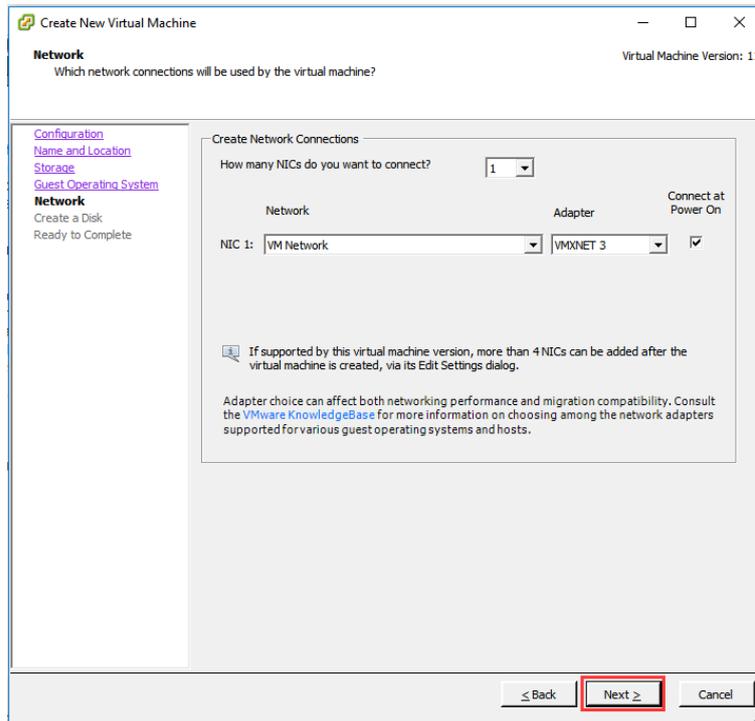


Choose "Linux" as guest OS and corresponding version please choose "CentOS 4/5/6/7 (64-bit)", then click [Next].

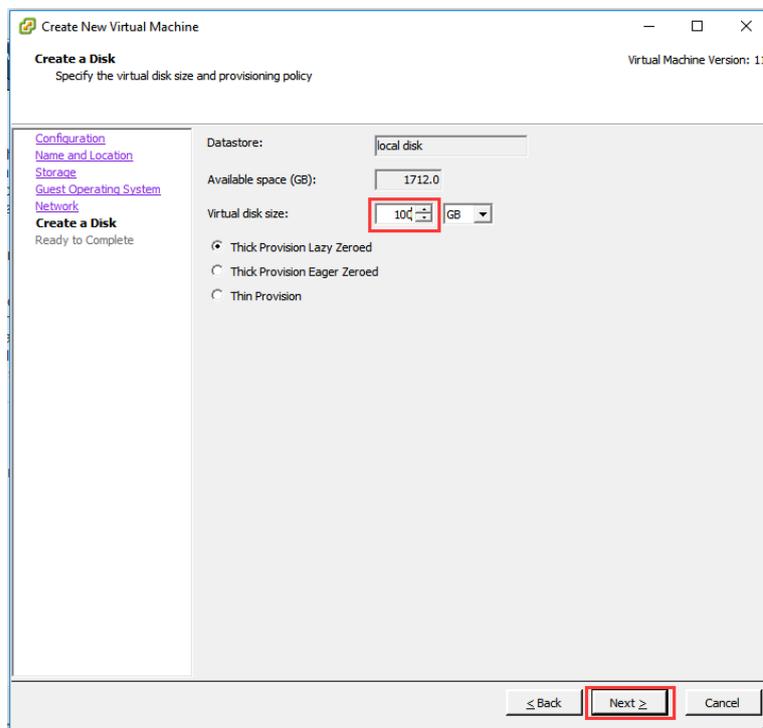


Configure network connections for the new VM as below, then click [Next].

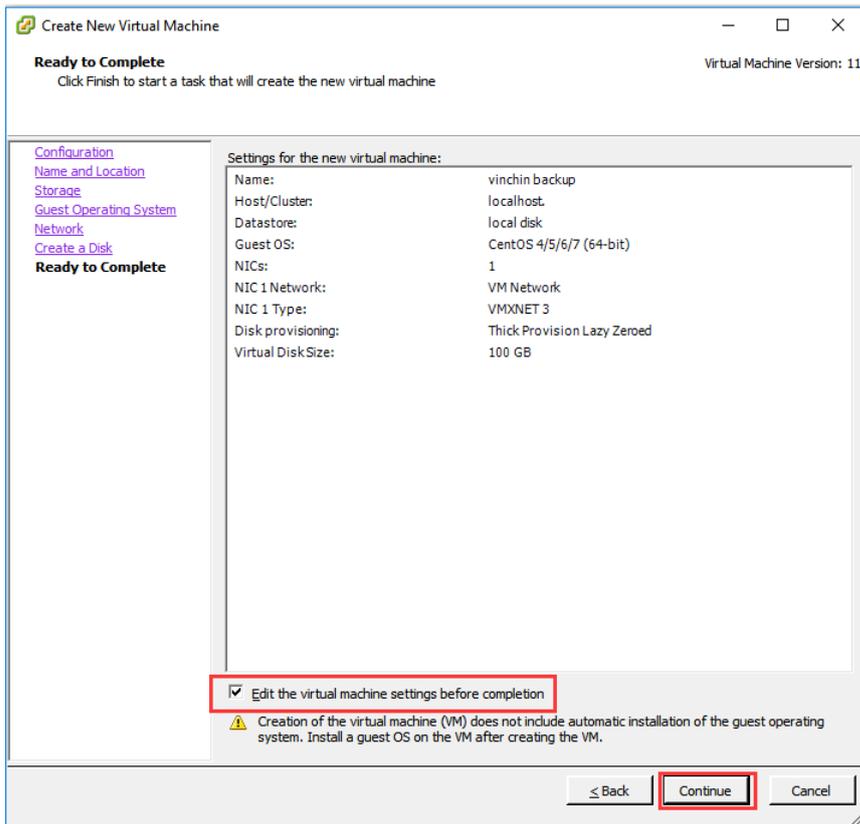
(Note: please connect at least one NIC.)



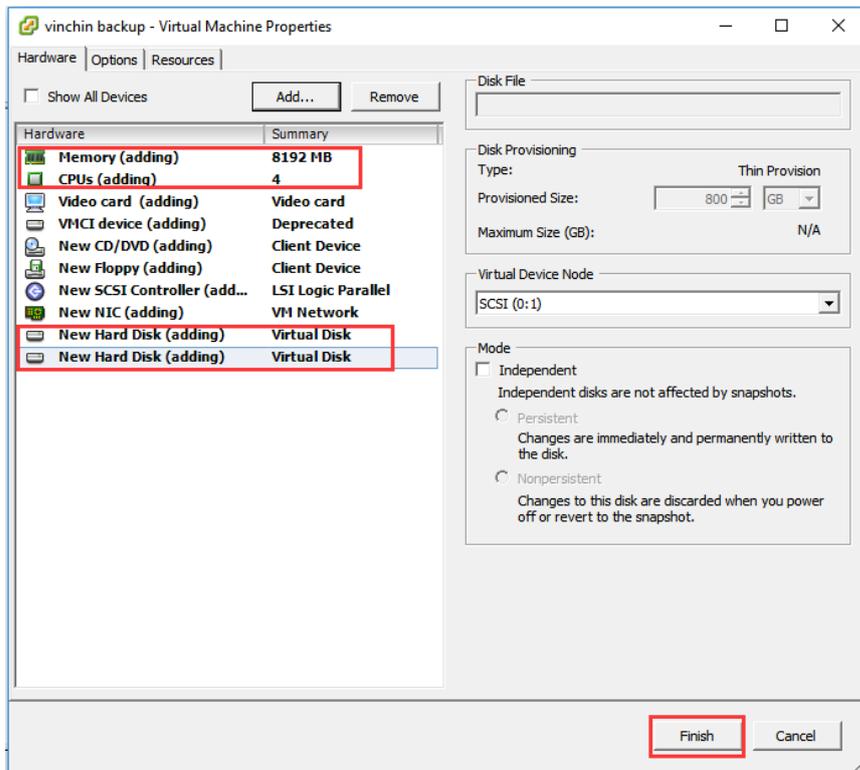
Specify a size for the virtual disk to use as system disk. Then click [Next]. (100+GB is recommended.)



Then tick “Edit the virtual machine settings before completion” and click [Continue] to the next page.



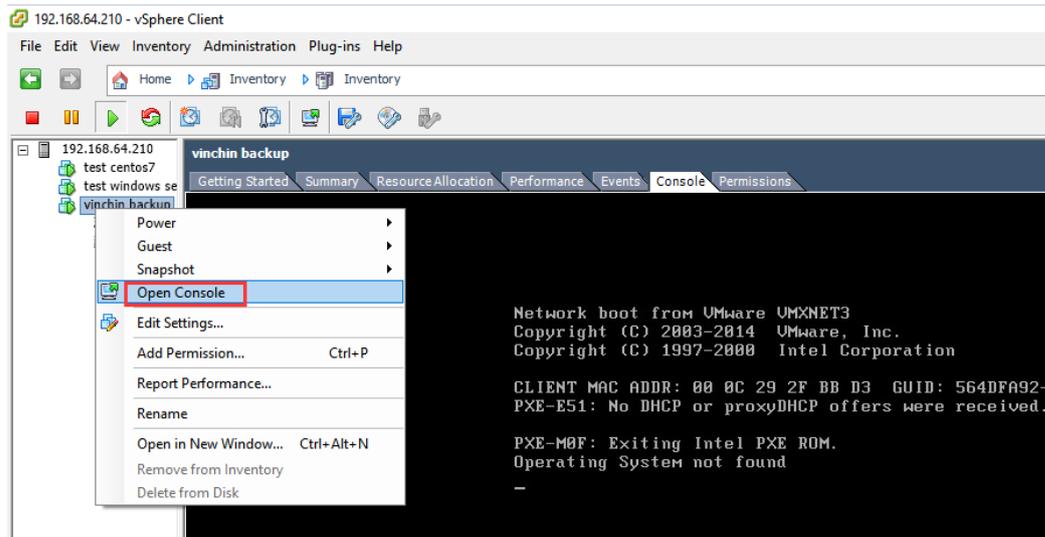
In this page, you can specify Memory size, CPU number and add New Hard Disk for the VM. 2CPU cores and 4GB RAM are minimum required. We recommend at least 4CPU cores and 8GB RAM, and better to add a hard disk as backup repository (disk capacity can be set according to your actual demands), then click [**Finish**] to complete the new VM creation.



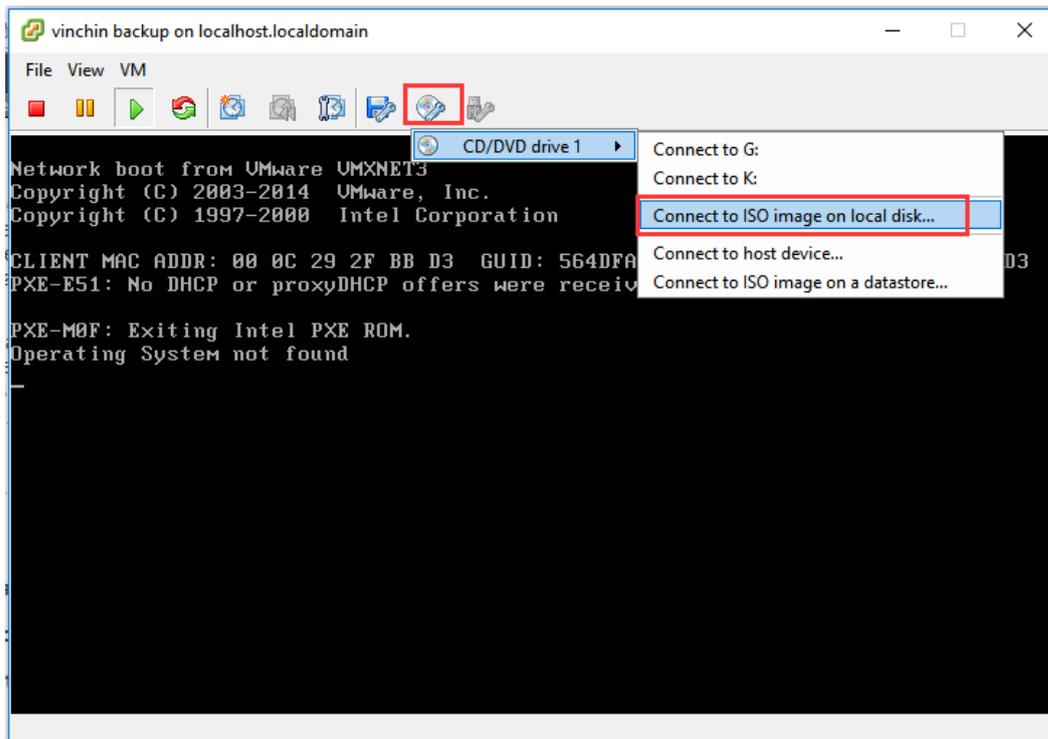
Install Backup Server

After new VM is created, power on the VM and start installing the Vinchin backup server ISO file.

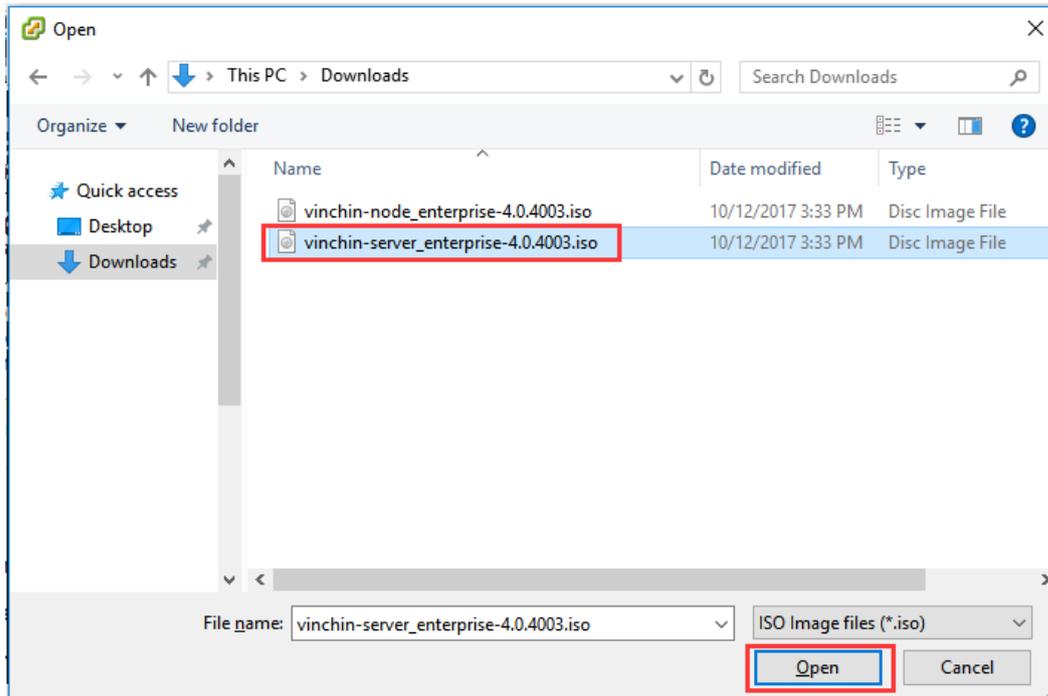
Right click the new created VM and click **[Open Console]**.



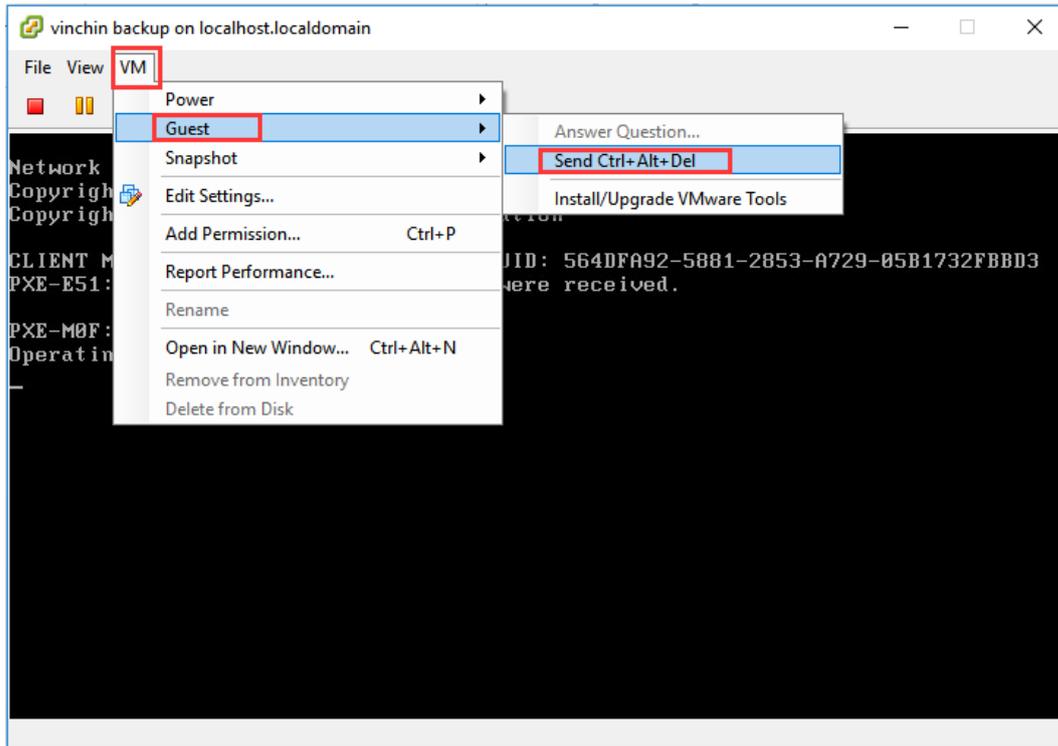
Click  **CD/DVD drive 1** and choose **"Connect to ISO image on local disk..."**



Choose the valid ISO file which you've downloaded from Vinchin website, e.g. choose "vinchin-server_enterprise-4.0.4003.iso" and click **[Open]**.



After ISO is mounted, click **[VM]** → **[Guest]** → **[Send Ctrl+Alt+Del]** as below, then reboot the VM.



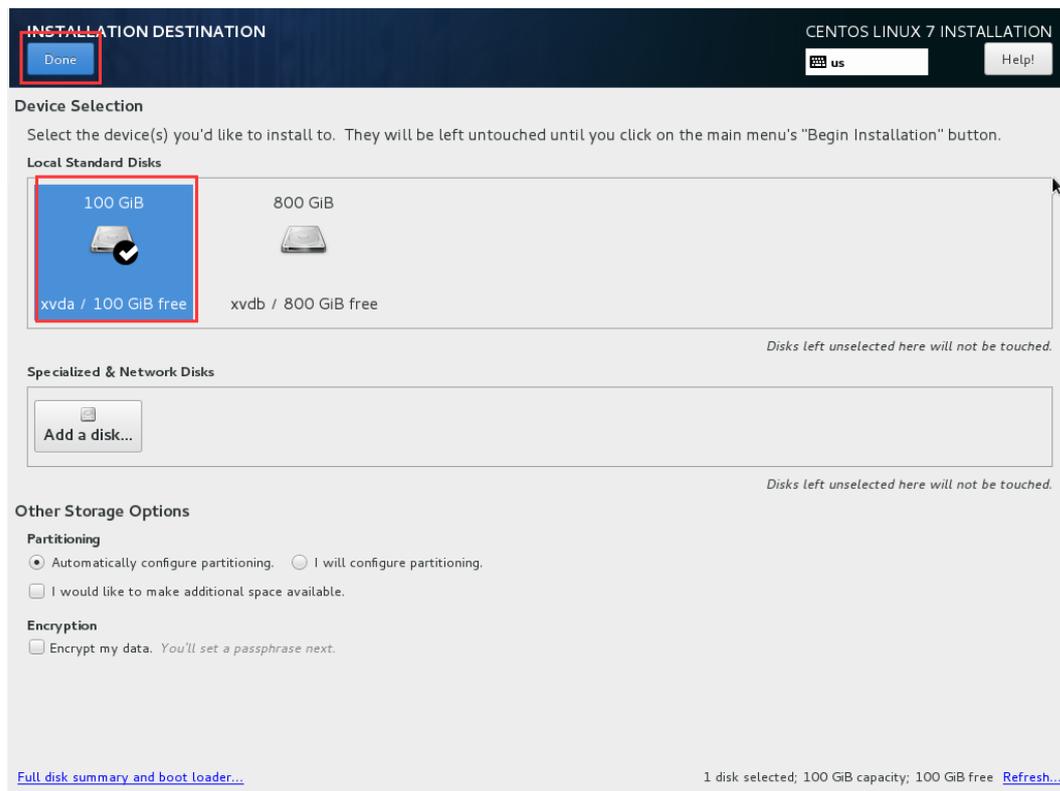
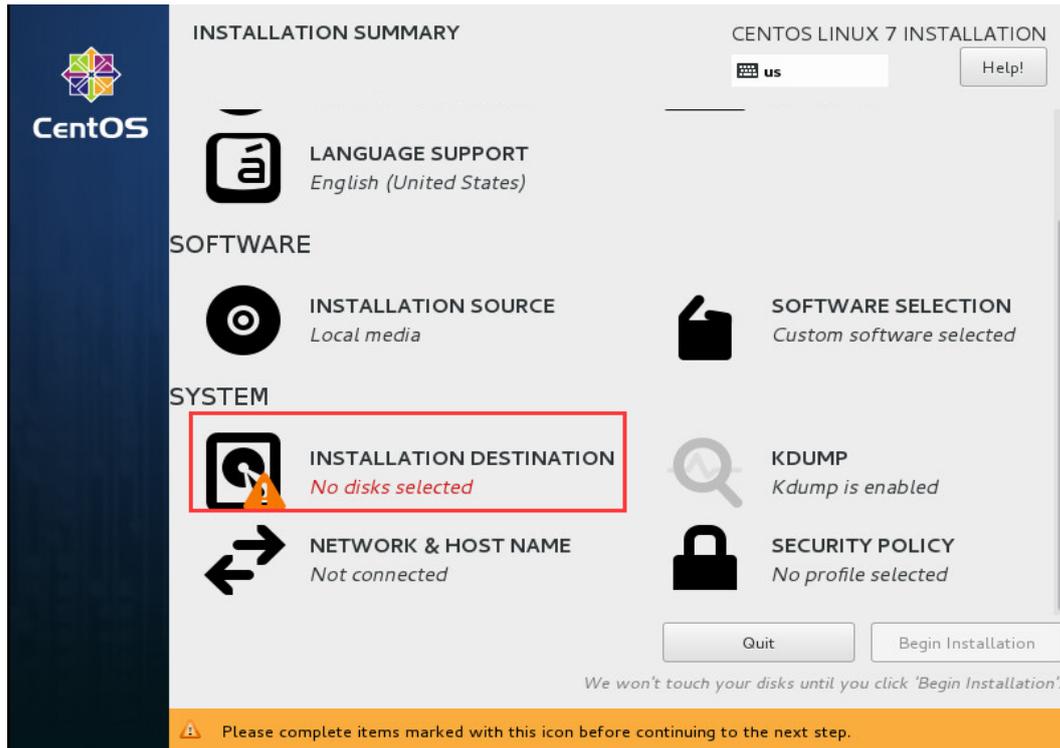
After rebooting, click **[Open Console]**, then you are entering the installation page. Choose **“Install CentOS 7”** and press **[Enter]** button on the keyboard. Then a few seconds later, you will be entering the **“INSTALLATION SUMMARY”** page.



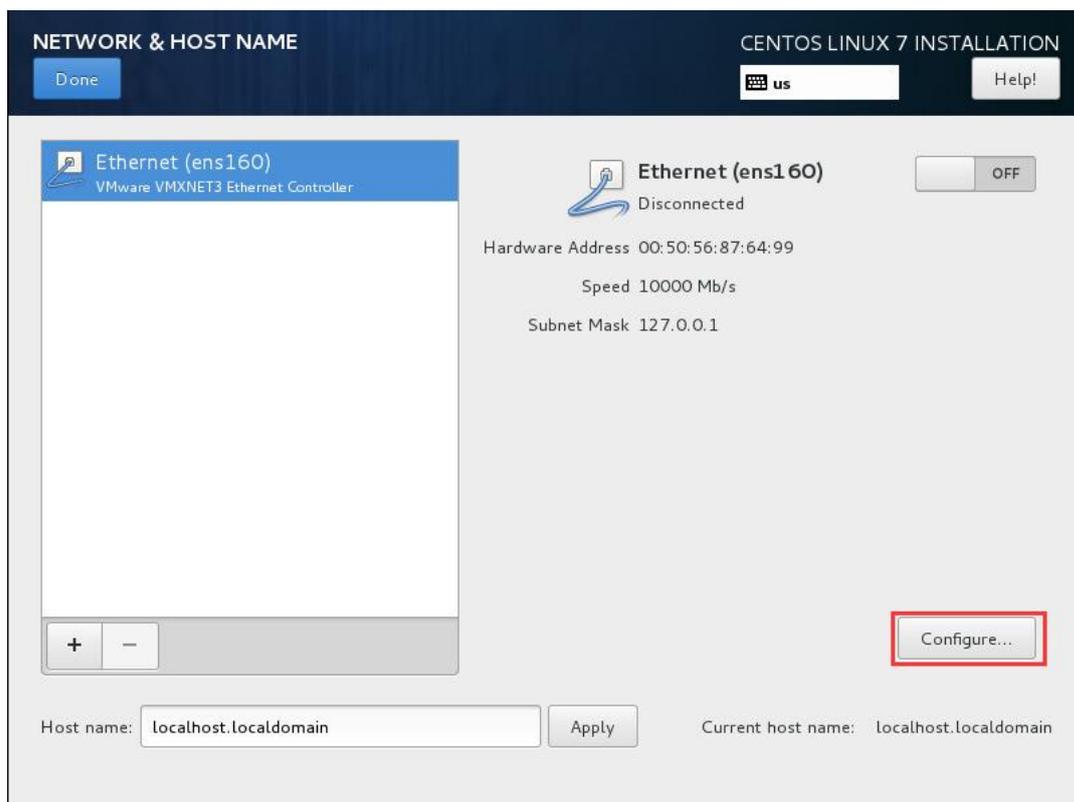
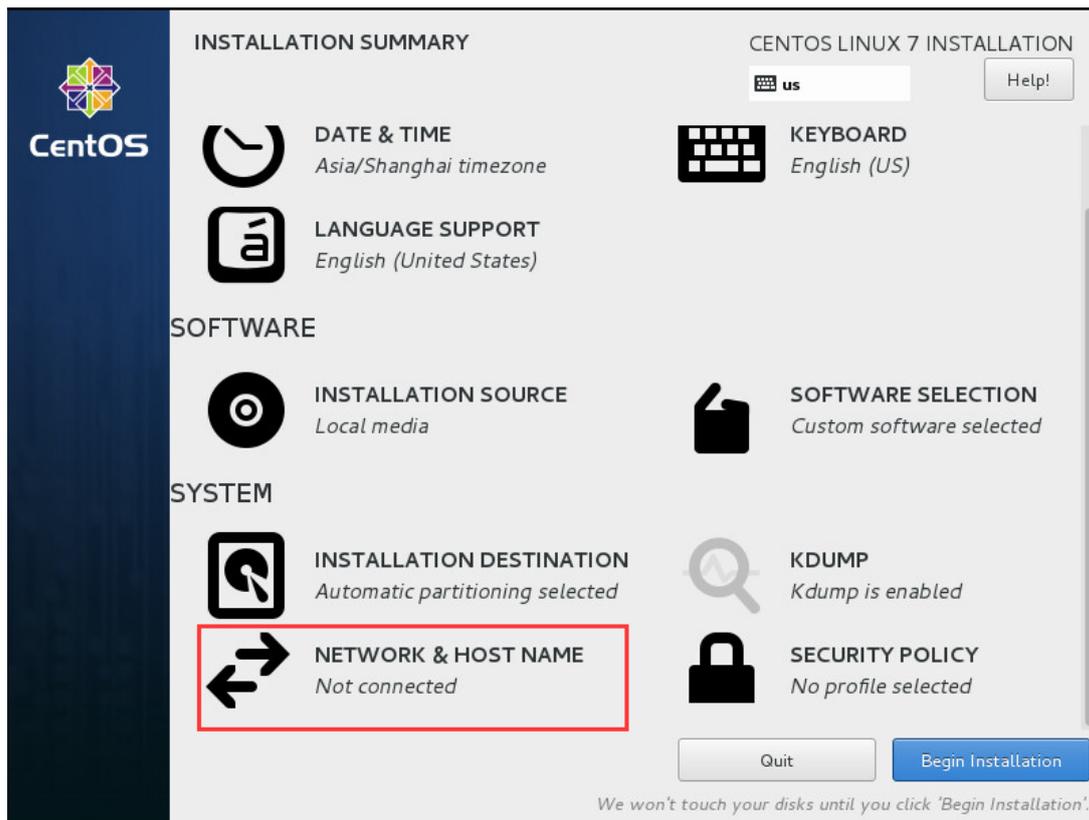
Click **“DATE & TIME”** to set up time for your Vinchin backup server.



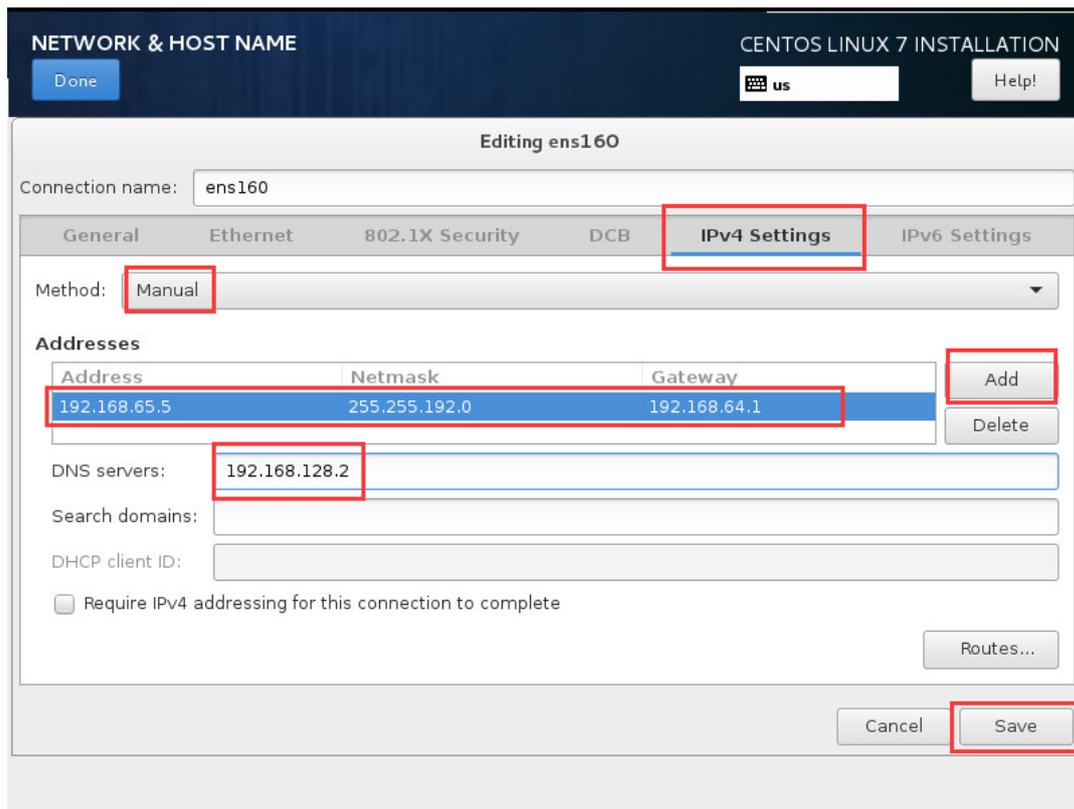
Click the "INSTALLATION DESTINATION", choose the 100GB hard disk as system disk and click [Done].



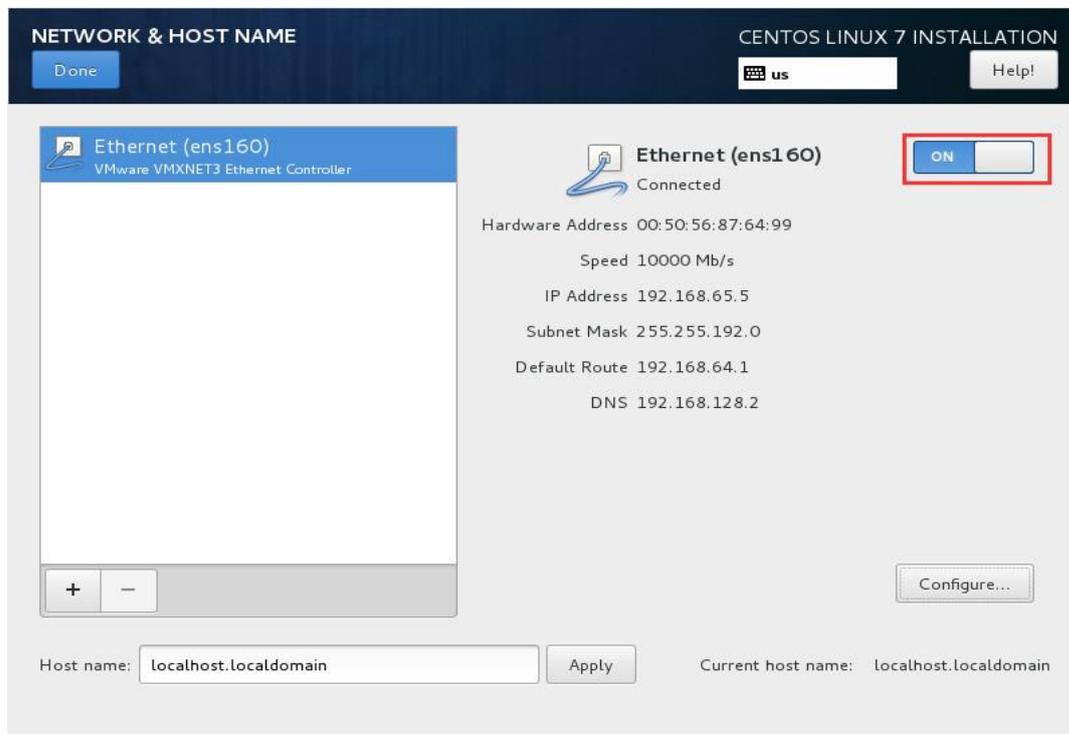
Click "NETWORK&HOST NAME" and Click [Configure...] on the right bottom.



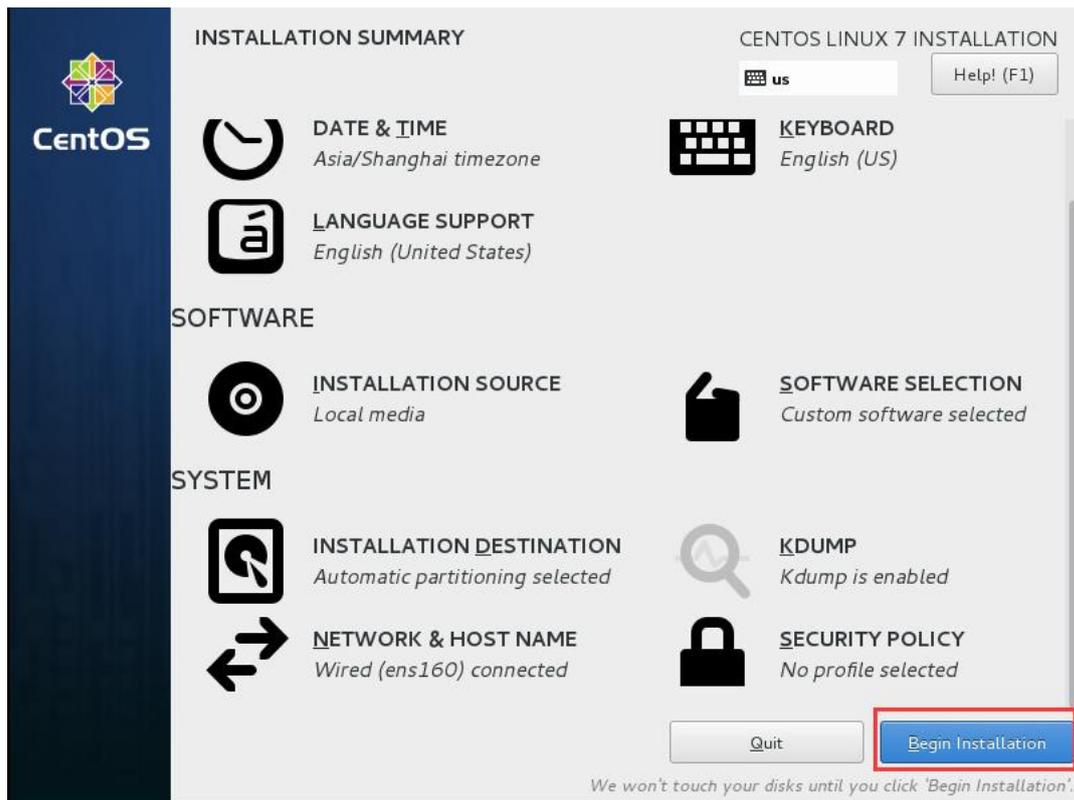
Click “IPv4 Settings” → Choose “Manual” in the “Method” selection → Click [Add] to enter your network IP address information, example as below. Then click [Save] to save your configuration data.



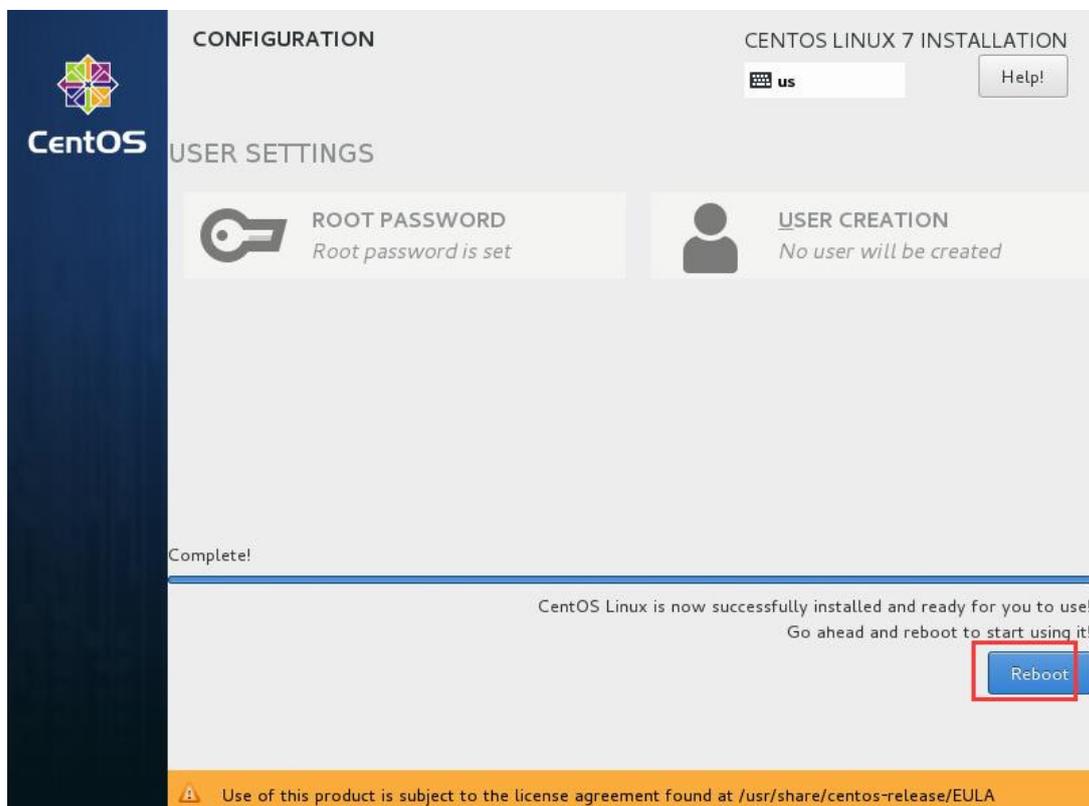
Click the red marked button in below to enable the Ethernet connection, you will see the configured network information. Click **[Done]** on the left top to return back to home page.



Other options are defaultly configured, directly click **[Begin installation]** to install.



After installation completed, click **[Reboot]** to reboot the VM.



After VM rebooted, you can login to the web console of Vinchin backup server. Enter the IP address of Vinchin backup server to access the web login page. (**Google Chrome browser is recommended.**)

Web login username: admin

Password: 123456

Backup server OS username: root

Password: 12345678



Install Backup Node (Optional)

A backup node is an individual backup server without web console, it is managed by the web console of vinchin backup server.

In large virtualization environment with large volume of data, computing resources and network resources are limited. How to effectively backup the VMs and occupy the minimal resources, Vinchin adopts "multiple backup nodes" method.

Deploying multiple backup nodes in large environment can split the overall computing and storage resources in backup server to realize a horizontal expansion of the resources. Also doing backup concurrently from multiple backup nodes can increase the network transmission bandwidth exponentially and make your backup much faster.

Record Vinchin backup node ISO file [vinchin-node_enterprise-4.0.xxxx.iso](#) to USB disk or CD, detailed installation steps please follow chapter “**Record ISO File**”.

After the backup node is installed successfully, you can login the backup node’s OS to modify config files.

Backup node OS username: root Password : 12345678

```
CentOS Linux 7 (Core)
Kernel 3.10.0-514.6.2.el7.x86_64 on an x86_64

localhost login: root
Password:
[root@localhost ~]# _
```

Edit config file: [vi /etc/common_server.conf.xml](#)

```
[root@localhost ~]# vi /etc/common_server.conf.xml
```

Modify the [server_ip](#) and [database_ip](#) to Backup Server's IP address.

```
<?xml version="1.0" encoding="UTF-8" ?>
<common-server-conf>
  <install_path>/opt/vinchin</install_path>
  <server_ip>0.0.0.0</server_ip>
  <server_port>22710</server_port>
  <database_ip>0.0.0.0</database_ip>
  <database_port>3306</database_port>
  <database_name>vinchin_db</database_name>
  <database_user>vinchin</database_user>
  <database_passwd>yunqi123456</database_passwd>
  <storage_prefix>/backup_storage/</storage_prefix>
  <control_message_timeout>900</control_message_timeout>
  <server_key_name>/etc/vinchin/pt_server.key</server_key_name>
  <client_key_name>/etc/vinchin/pt_client.key</client_key_name>
  <certificate_pem>/etc/vinchin/certificate.pem</certificate_pem>
  <private_key_pem>/etc/vinchin/private_key.pem</private_key_pem>
  <log_dir>/var/log/vinchin</log_dir>
  <config_dir>/etc/vinchin</config_dir>
  <pid_dir>/var/run/vinchin</pid_dir>
</common-server-conf>
```

Enclose: vi editor often-used command

- i Insert
- esc Exit the editor
- : wq Save & exit

Please reboot the backup node OS after you modify its config files : reboot

```
[root@localhost ~]# reboot
```

After rebooting the backup node OS, log in the backup server's web console with default **username : admin , password: 123456**. You can view the installed backup node information in the [\[Resources\]](#) → [\[Backup Node\]](#).

vinchin Home Backup/Restore Resources Log/Alert admin

Dashboard > 2017-12-25 17:07:13

6.4Hours System Uptime

3Jobs History

4Jobs Current

VM & Repository

- VM-Protected
- VM-Unprotected
- Used Space
- Free Space

3VMs

292.36GB

CPU Usage

1.2% 0.9% 0.6% 0.3% 0%

Network Flow

Job Monitor

Current Job History Job

- [Instant Recovery]VMware vSphereInstant Recovery1 Pending
- [Backup]VMware vSphereBackup1 Pending 5 hour after
- [Backup]VMware vSphereBackup2 Pending 4 day after
- [Restore]VMware vSphereRestore1 Pending 4 day after

vinchin Home Backup/Restore Resources Log/Alert admin

Backup Node

Node List

Edit Delete

Page 1 of 1 View 10 records per page Total 1 records

No.	Node Name	IP Address	Add Time	Remote Deploy	Deploy Status	Node Status
1	localhost.localdomain	192.168.101.42	2017-12-25 10:27:59	Unsupported	Deployed	Normal

Note: Please download the backup node installation package from the login page, follow the corresponding user guide to complete the installation. After install success, new backup node information will auto-add to the Node List. If you need support during the installation, please contact our technical support.



Contact Information

Head Office

F14, No. 19, 3rd Tianfu Street,
Hi-Tech Zone, Chengdu, China.
P.C. 610041

Sales

Tel: +86-28-85530156
Email: sales@vinchin.com

Support

Tel: +86-400-9955-698
Email: support@vinchin.com

Website

www.vinchin.com/en