

Grandstream Networks, Inc.

SoftwareUCM – Disk Expansion – HyperV



Introduction

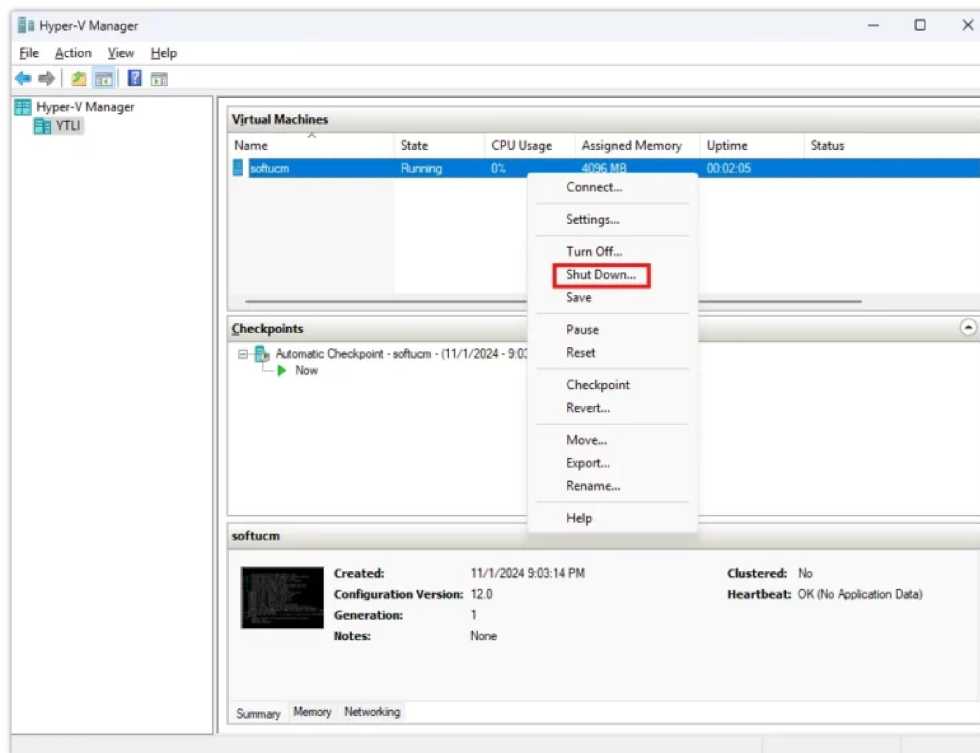
The SoftwareUCM on-premise solutions allow users to manage their telephony systems internally, without the need to use any cloud-based service, this offers great flexibility for users to have integrations with other third-party vendors, and also to have more granular control on the security protocols that apply internally on the management software, on the other hand, the SoftwareUCM can have its storage expanded, and depending on the hypervisor used, the process will be different, in this guide, we will be configuring disk expansion for the HyperV hypervisor.

Hyper-V is a virtualization platform developed by Microsoft that allows users to run multiple virtual machines on a single physical machine, typically used for testing, development, and server virtualization. It's widely used in enterprise environments for creating and managing virtualized infrastructure. To expand a virtual disk in Hyper-V, users can increase the size of the virtual hard disk (VHD) through Hyper-V Manager and then extend the partition within the guest OS to utilize the added space.

Configuring Disk Expansion

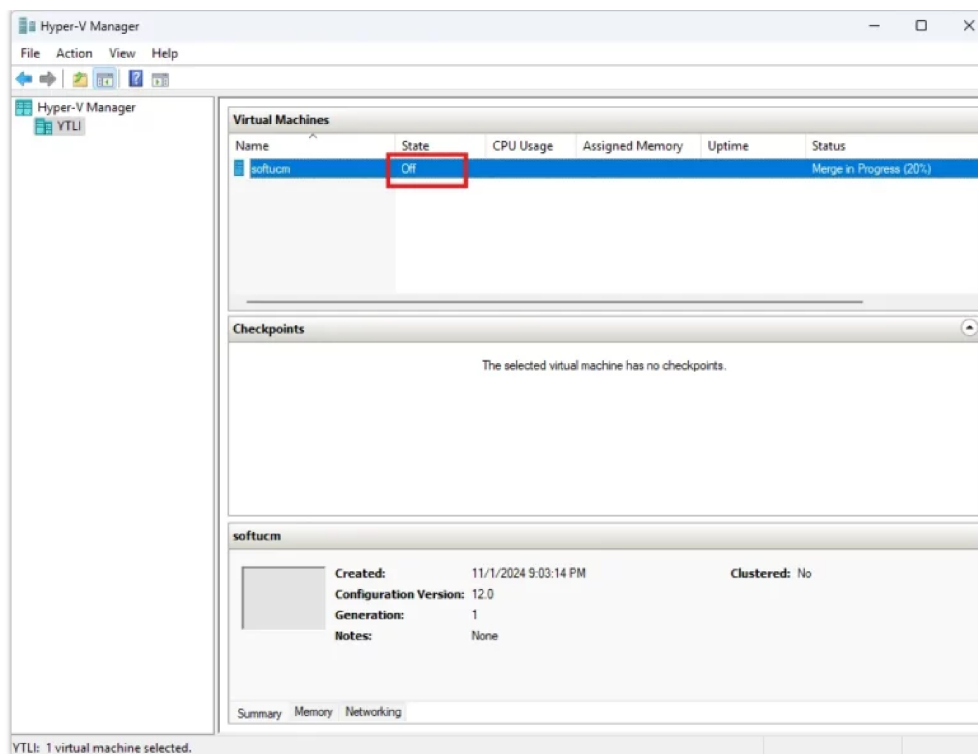
Through HyperV Settings

- On your HyperV Manager, Right-click the SoftwareUCM virtual machine, and click **Shut Down** to shut down the virtual machine.



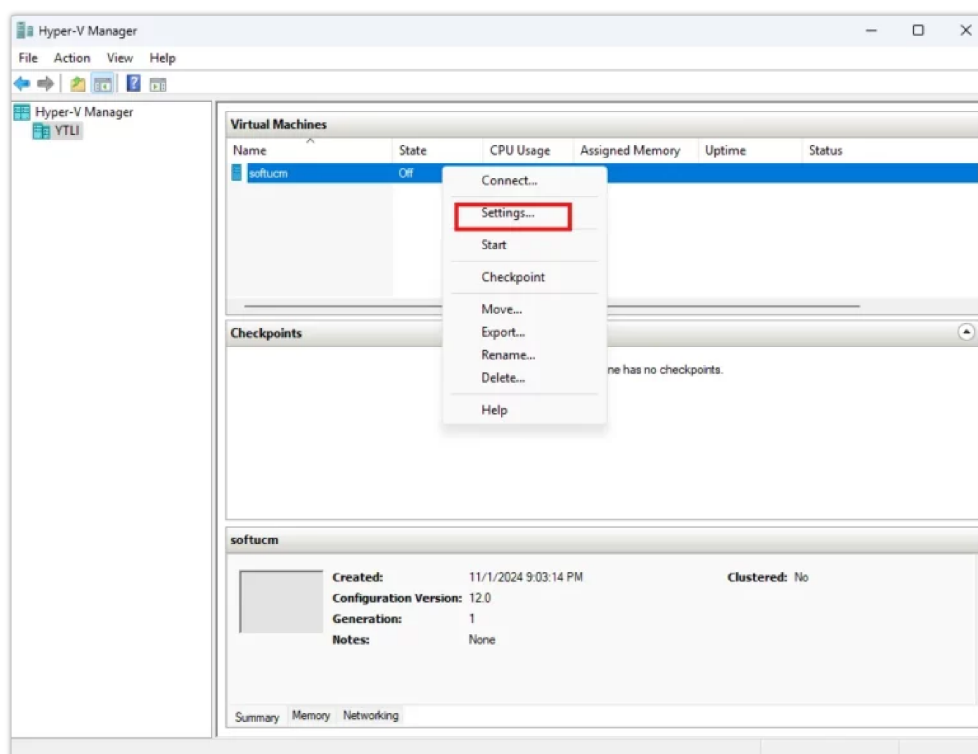
Shutdown VM

- Wait until the virtual machine status changes to off.



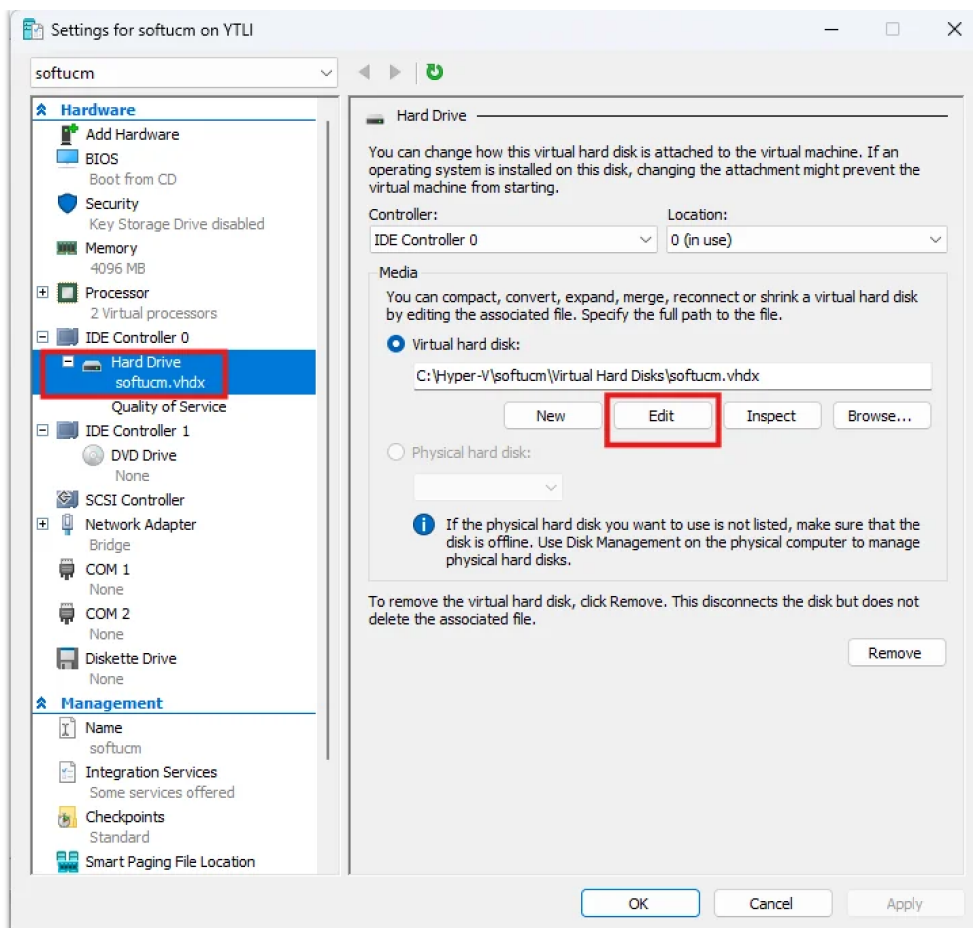
VM is OFF

- Right-click the virtual machine, then click on Settings.



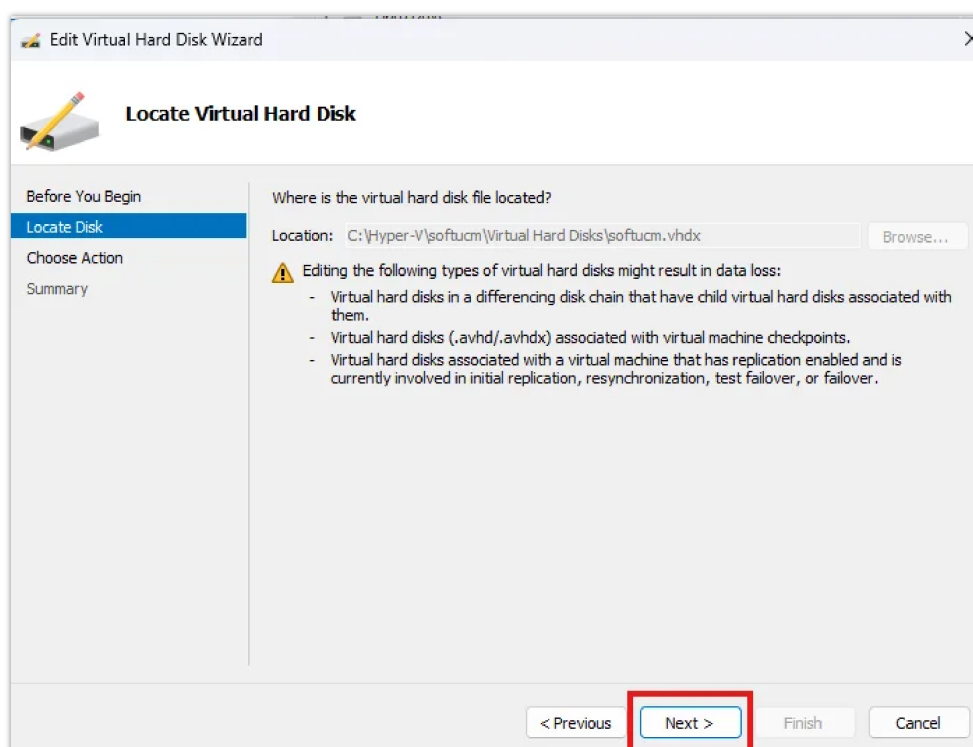
Settings for VM

- Select Hard Drive from the hardware component settings, then click Edit



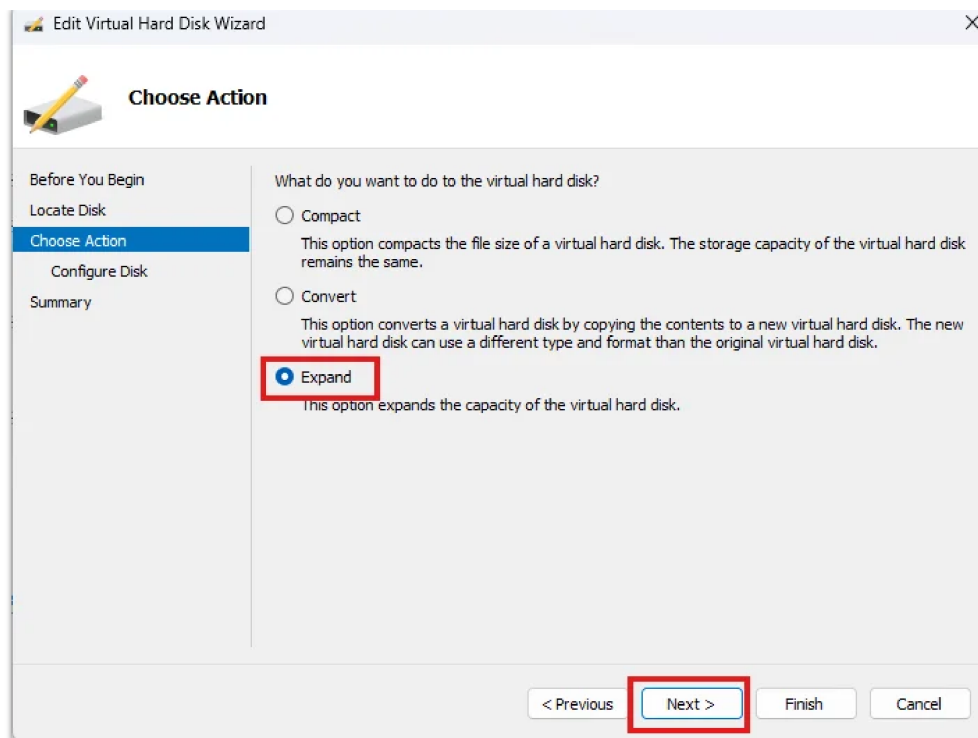
Edit Hard Drive

- Review the Locate Disk content and click Next.



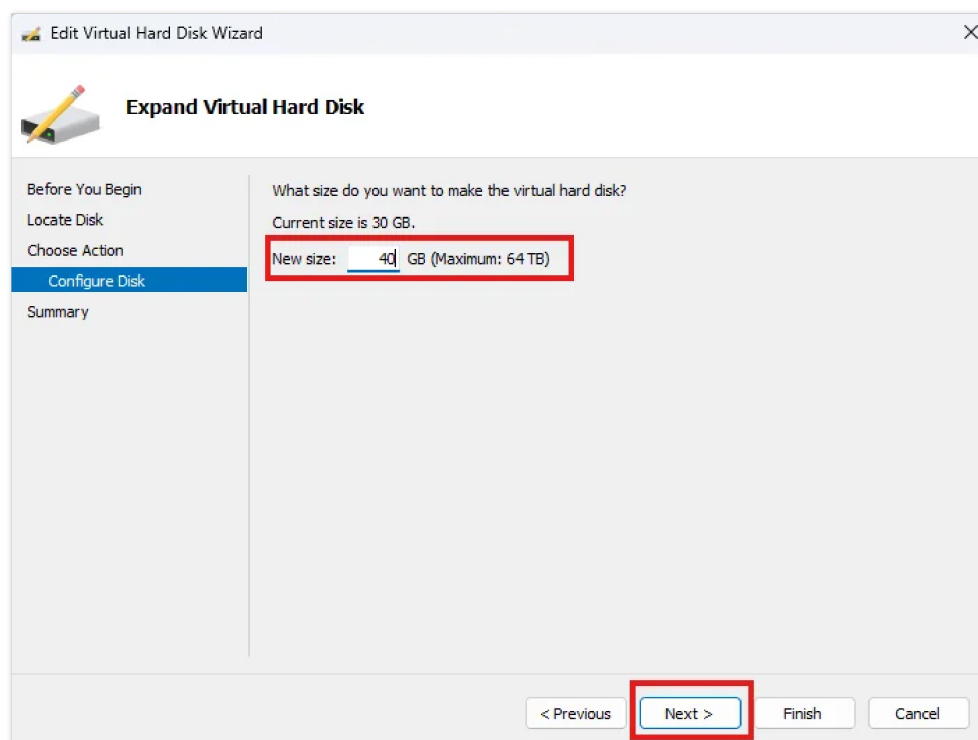
Locate Disk Content

- Select Expand, and click Next.



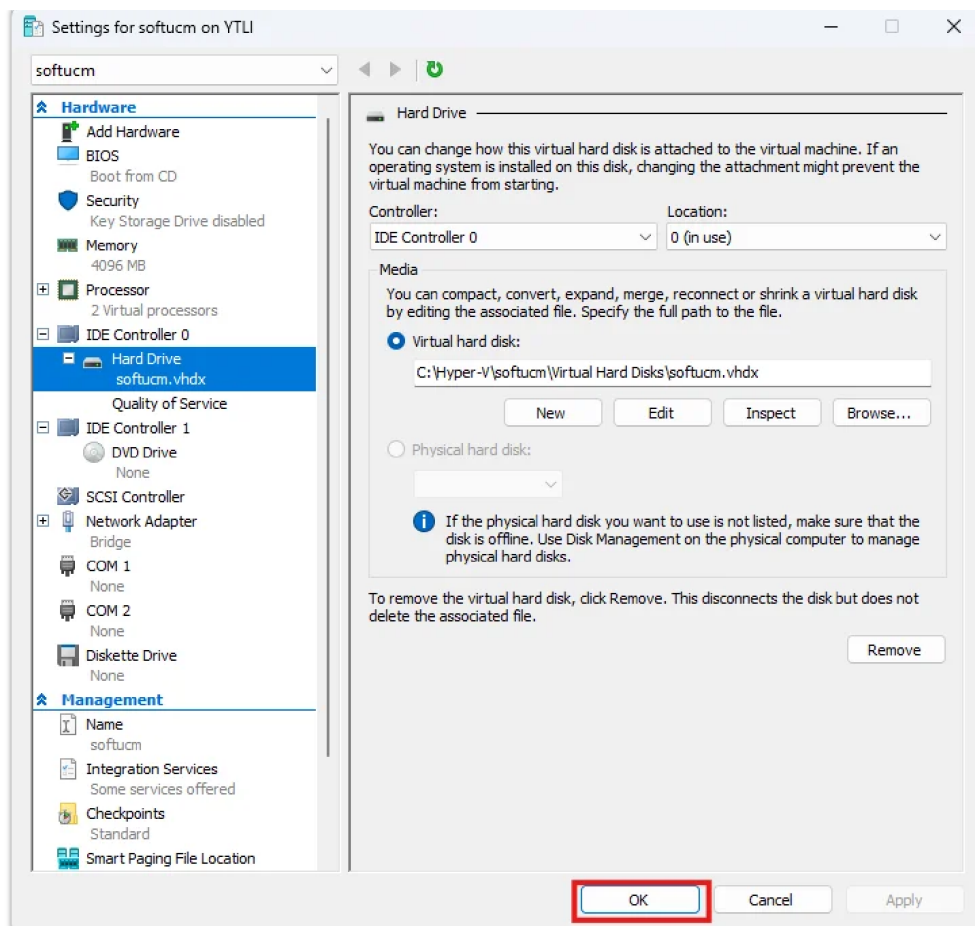
Expand Disk

- Set the disk size you would like to configure, then click Finish



New Size

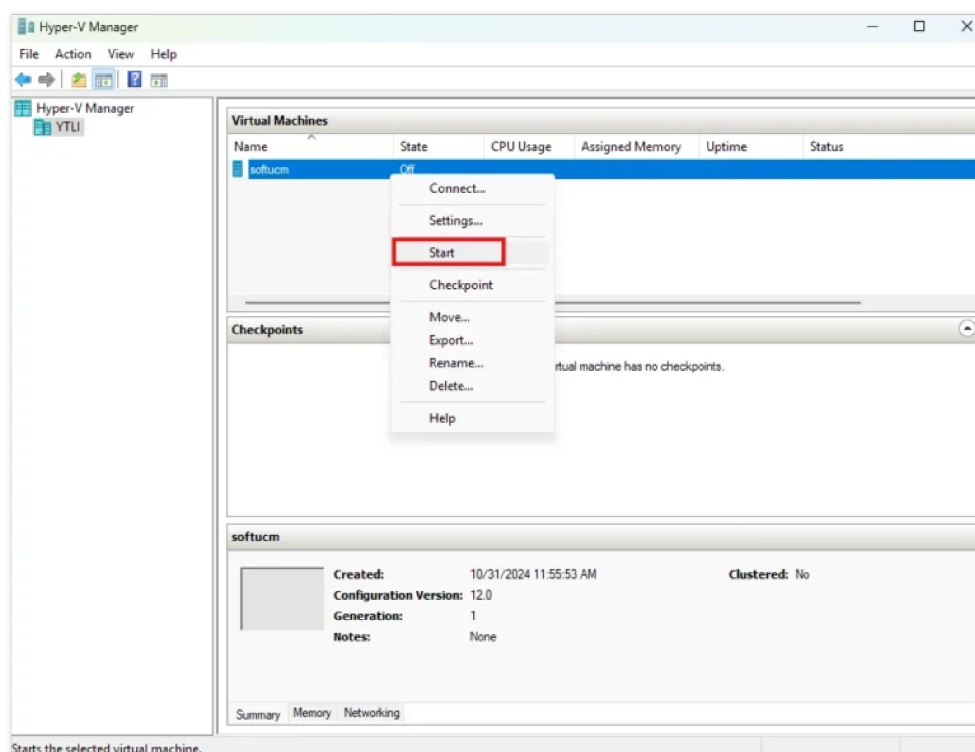
- Click OK to close the settings page.



Disk Expanded

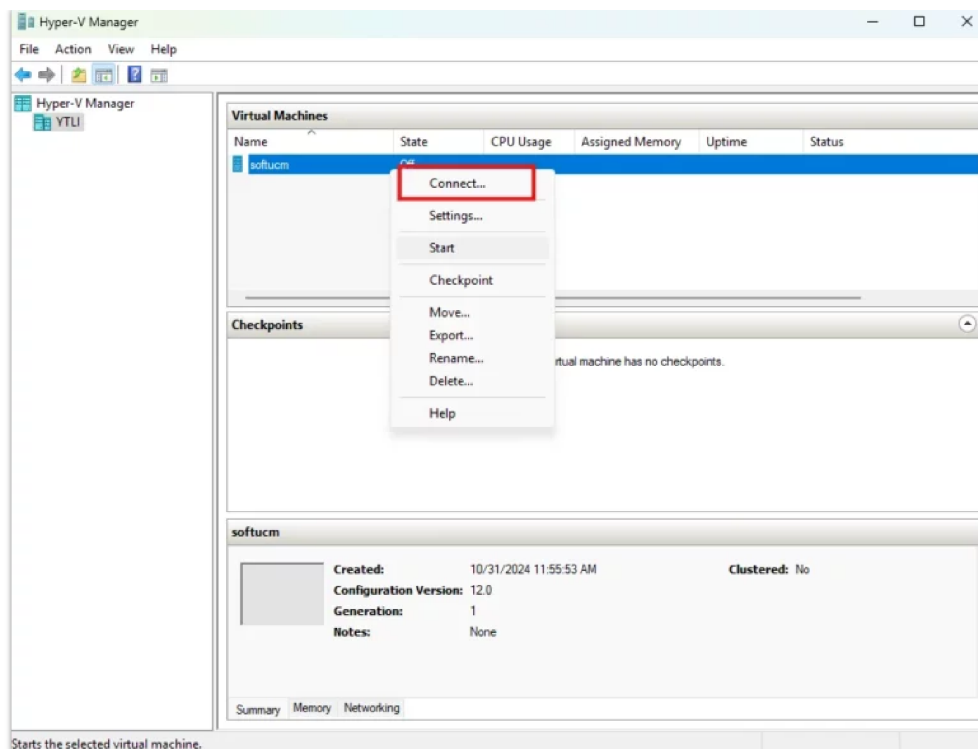
Expand the Partition in The Virtual Machine

1. Right-click the SoftwareUCM virtual machine, and click **Start** to start the virtual machine.



Start VM

2. Right click the virtual machine, click **Connect** to connect to the virtual machine.



Connect to VM

3. Log in with the credentials of the user "support"

```
AlmaLinux 9.4 (Seafoam Ocelot)
Kernel 5.14.0-427.13.1.el9_4.x86_64 on an x86_64

SoftwareUCM login: support
Password:
Last login: Mon Dec 30 07:00:05 on tty1

Please enter select:
[1] SoftwareUCM Management.
[2] System Information.
[3] System Settings.
[4] Maintenance.
[5] API Configuration.
[0] Exit.
```

User Support Credentials

4. In single-tenant mode, wait for the instance to be initialized, then select **SoftwareUCM Management** → **List SoftwareUCMs** to view the instance status.

```
Please enter select:
[1] SoftwareUCM Management.
[2] System Information.
[3] System Settings.
[4] Maintenance.
[5] API Configuration.
[0] Exit.
1
```

```
Please enter select:
[1] List SoftwareUCMs.
[2] Create SoftwareUCM.
[3] Delete SoftwareUCM.
[4] Restart SoftwareUCM.
[5] Network Details.
[6] Network Settings.
[7] Show Resource Usage.
[8] Change Resource Limit.
[9] Reset Factory Password.
[10] Factory Reset.
[11] Modify Remark.
[12] Disk Management.
[13] Migrate SoftwareUCM.
[0] Exit.
1
```

Current Mode: Single Tenant

```
SoftwareUCM Information:
Instance Name: ucm1
Remark:
Status: running
Version: 1.0.32.4
Admin Portal: https://172.16.138.163:8089
Initial Username: admin
Initial Password: SoftUCM@admin
```

List software UCM instance

5. Select **Maintenance** → **Disk Expansion** to expand the partition.

```
Please enter select:
[1] SoftwareUCM Management.
[2] System Information.
[3] System Settings.
[4] Maintenance.
[5] API Configuration.
[0] Exit.
4
Please enter select:
[1] List SoftwareUCMs.
[2] Create SoftwareUCM.
[3] Delete SoftwareUCM.
[4] Restart SoftwareUCM.
[5] Network Details.
[6] Network Settings.
[7] Show Resource Usage.
[8] Change Resource Limit.
[9] Reset Factory Password.
[10] Factory Reset.
[11] Modify Remark.
[12] Disk Management.
[13] Migrate SoftwareUCM.
[0] Exit.
12
Please enter select:
[1] List Disks.
[2] Disk Expansion (only for non-RAID mount points of virtual machines).
[0] Exit.
2
Please select a storage disk:
[1] VBOX HARDDISK: sda (/container 00 Avail/19.9GB Total).
[2] VBOX HARDDISK: sdb (/container1 19.9GB Avail/19.9GB Total).
```


5. Select the disk that requires expansion.

```
Please enter select:
(1) List Disks.
(2) Disk Expansion (only for non-RAID mount points of virtual machines).
(0) Exit.
2

Please select a storage disk:
(1) VBOX HARDISK: sda (/container 00 Avail/19.9GB Total).
(2) VBOX HARDISK: sdb (/container1 19.9GB Avail/19.9GB Total).
1

When using Single Tenant mode, expanding the disk will restart the SoftwareUCM instance. Do you want to continue?(y/n) y

Disk expansion success.

+-----+-----+-----+-----+-----+-----+-----+
| Device | Model | State | Mounted on | Total | Avail | Allocation details |
+-----+-----+-----+-----+-----+-----+-----+
| sda    | VBOX HARDISK | Active | /container (default) | 29.9GB | 00    | firmware(844.3MB) uca1(19.0GB) |
| sdb    | VBOX HARDISK | Active | /container1 | 19.9GB | 19.9GB | |
+-----+-----+-----+-----+-----+-----+-----+

Restarted SoftwareUCM instance uca1 successfully.

Waiting for SoftwareUCM instance initialization to complete.
The SoftwareUCM instance uca1 is already accessible.

Instance Name: uca1
Admin Portal: https://172.16.138.163:8889
```
