

Grandstream Networks, Inc.

SoftwareUCM - Disk Expansion - VirtualBox



Introduction

The SoftwareUCM, when installed on-premise, can expand its memory, the memory that can be used for storing call records, audio, and video recording, and generally, the configuration files for your telephony system,

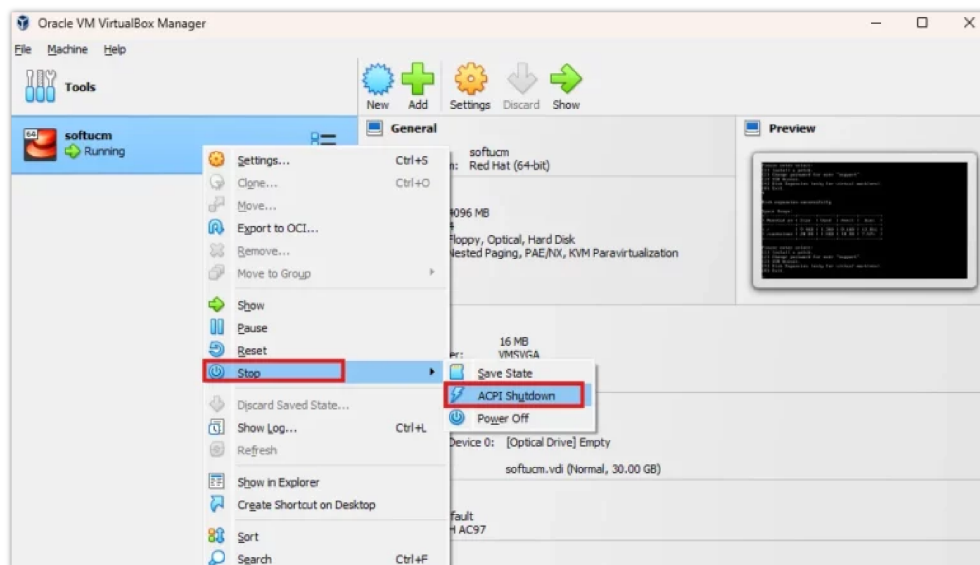
Oracle VirtualBox is a free, open-source virtualization software that enables users to run multiple operating systems on a single machine. It is commonly used for software development, testing, and running virtual environments for learning or experimentation. For disk expansion, Virtual Box allows users to increase the virtual disk size through its interface and then extend the partition within the guest OS to utilize the additional space.

This guide addresses the configuration steps for expanding SoftwareUCM's storage on the Virtual Box hypervisor.

Disk Expansion Configuration

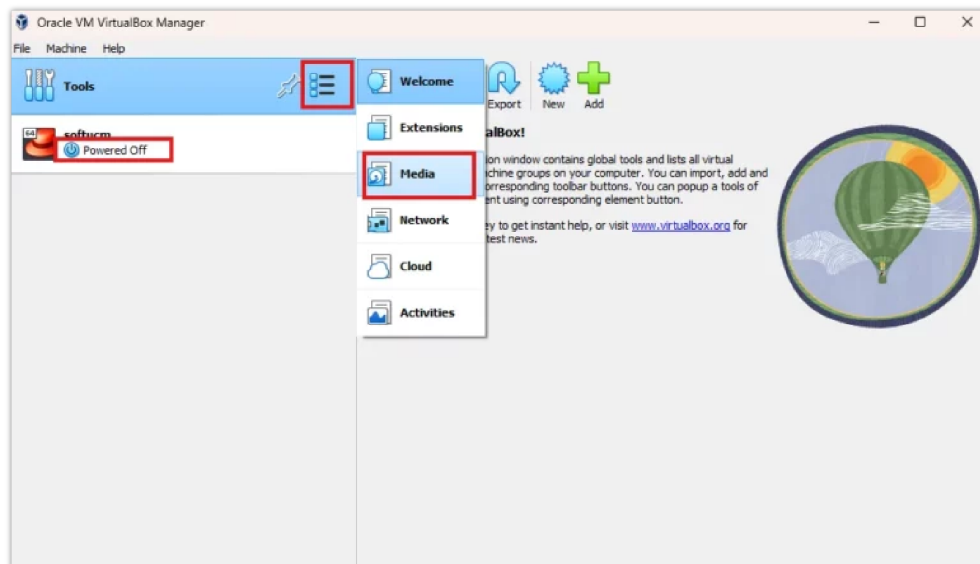
Virtual Box Settings

1. Right-click on the SoftwareUCM Virtual Machine, and click Stop → ACPI Shutdown to shut down the virtual machine.



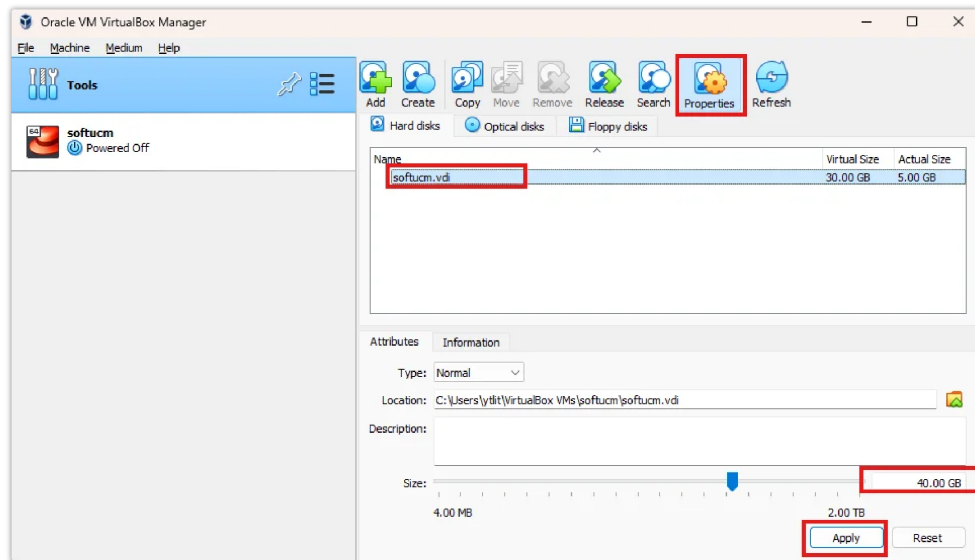
ACPI Shutdown

2. Once the virtual machines state change to Powered Off, then click Tools → Media, as highlighted below



Media Settings

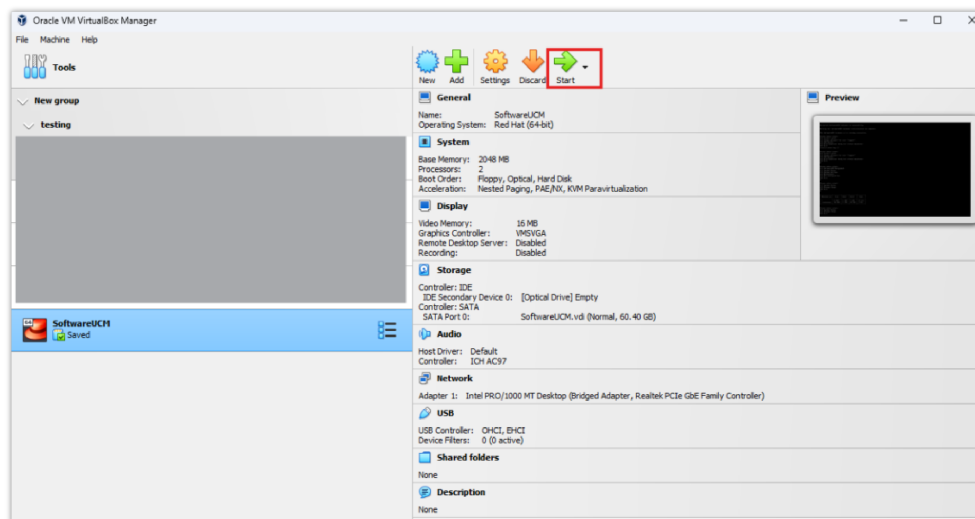
3. Click Properties, select the hard disk, and set the disk size you want to configure. Then click Apply.



Properties Settings

Expand the Partition in The Virtual Machine

1. Start the virtual machine.



Start Virtual Machine

2. 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

3. 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 SoftwareUCM instance

4. 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 0B Avail/19.9GB Total).
[2] VBOX HARDDISK: sdb (/container1 19.9GB Avail/19.9GB Total).

```

Maintenance Settings

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 HARDDISK: sda (/container 00 Avail/19.9GB Total).
(2) VBOX HARDDISK: sdb (/container1 19.9GB Avail/19.9GB Total).
1

When using Single Tenant mode, expanding the disk will restart the SoftwareUCH instance. Do you want to continue?[y/n] y

Disk expansion success.

+-----+-----+-----+-----+-----+-----+-----+
| Device | Model | State | Mounted on | Total | Avail | Allocation details |
+-----+-----+-----+-----+-----+-----+-----+
| sda    | VBOX HARDDISK | Active | /container (default) | 29.9GB | 00    | firmware(844.3MB) ucn1(19.8GB) |
| sdb    | VBOX HARDDISK | Active | /container1          | 19.9GB | 19.9GB |                               |
+-----+-----+-----+-----+-----+-----+-----+

Restarted SoftwareUCH instance ucn1 successfully.

Waiting for SoftwareUCH instance initialization to complete.
The SoftwareUCH instance ucn1 is already accessible.

Instance Name: ucn1
Admin Portal: https://172.16.138.163:8889
```