

Field	Details
Test Case ID	TC_DISK_01
Test Case Title	Verify error when 'Name' field is left empty
Objective	To ensure that the system shows an error when the 'Name' field is empty and the user attempts to create a disk
Preconditions	User is on the 'Create Disk' page
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Create Disk' page 2. Fill in all required fields except the 'Name' field 3. Click on the 'Create' button
Test Data	Name: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot

The screenshot displays the 'Create Disk' interface. On the left, a sidebar contains 'Disk Mangment' with options like '+ Create Disk', 'View Disk Info', 'Convert Disk', 'Resize Disk', and 'Delete Disk', along with 'VM Mangment' options like 'Create VM' and 'Available VMs'. The main form is titled 'Create Disk' and includes fields for 'Name', 'Size', 'Format', and 'Units'. The 'Name' field is empty, and a red error message 'Please fill out this field.' is shown next to it. A 'Create' button is at the bottom. A 'Saved Info' popup is visible, showing 'mydisk1' as the last used name.

Field	Details
Test Case ID	TC_DISK_02
Test Case Title	Verify error when negative value is entered in 'Size' field
Objective	To ensure that the system does not accept negative numbers for disk size
Preconditions	User is on the 'Create Disk' page
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Create Disk' page 2. Fill in all required fields correctly except the 'Size' field 3. Enter a negative number (e.g., -5) in the 'Size' field 4. Click the 'Create' button
Test Data	Name: mydisk1 Size: -5
Expected Result	An error message appears: <i>"Value must be greater than or equal to 1"</i>
Actual Result	Error message displayed: <i>"Value must be greater than or equal to 1"</i>
Status	Pass

Screenshot

Disk Mangment

+ Create Disk

View Disk Info

Convert Disk

Resize Disk

Delete Disk

VM Mangment

Create VM

Available VMs

Create Disk

Name:

mydisk1

Size:

-5

MB

Format:

qcow2



Value must be greater than or equal to 1.

Create

Field	Details
Test Case ID	TC_DISK_03
Test Case Title	Verify error when 'Size' field is left empty
Objective	To ensure that the system shows an error when the 'Size' field is empty and the user attempts to create a disk
Preconditions	User is on the 'Create Disk' page
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Create Disk' page 2. Fill in all required fields except the 'Size' field 3. Click on the 'Create' button
Test Data	Size: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot

Disk Mangment

+ Create Disk

View Disk Info

Convert Disk

Resize Disk

Delete Disk

VM Mangment

Create VM

Available VMs

Create Disk

Name: mydisk1

Size: MB

Format: qcow2

Create

Please fill out this field.

Field	Details
Test Case ID	TC_DISK_04
Test Case Title	Verify error when trying to view disk info without selecting a disk
Objective	To ensure that the system shows an appropriate error or prompt when no disk is selected and the user clicks 'Get Info'
Preconditions	A disk has been created. User is on the view disk info page with multiple disks in the list
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the disk list page 2. Do not select any disk 3. Click on the 'Get Info' button
Test Data	Selected Disk: None
Expected Result	An alert or error message appears: "Please select an item in the list"
Actual Result	Error message displayed: "Please select an item in the lis"
Status	Pass

Screenshot

Disk Mangment

+ Create Disk

⦿ View Disk Info

↺ Convert Disk

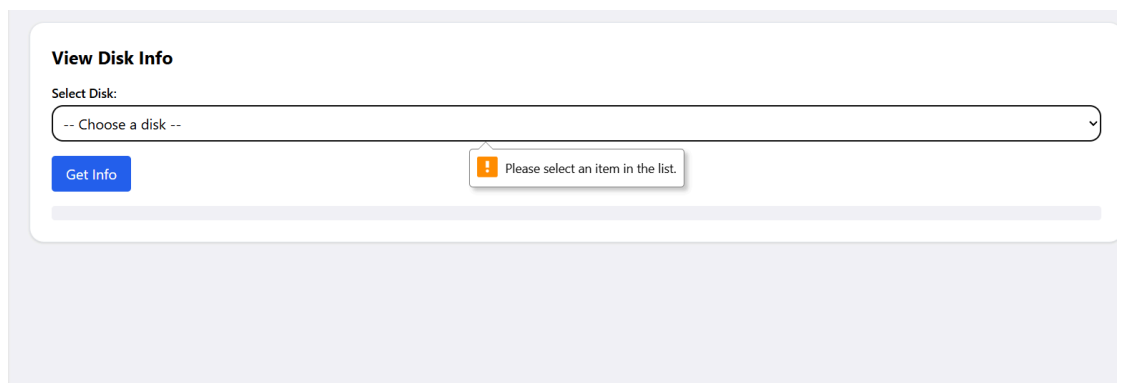
✓ Resize Disk

🗑 Delete Disk

VM Mangment

🖥 Create VM

🖥 Available VMs



Field	Details
Test Case ID	TC_DISK_05
Test Case Title	Verify error when 'Source Disk' field is left empty on the Convert Disk page
Objective	To ensure that the system shows an error when the 'Source Disk' field is empty and the user attempts to convert a disk
Preconditions	A disk has been created. User is on the 'Convert Disk' page
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Convert Disk' page 2. Leave the 'Source Disk' field empty 3. Fill in other required fields 4. Click on the 'Convert' button
Test Data	Source Disk: (left blank)
Expected Result	An error message appears: "Please select an item in the list"
Actual Result	Error message displayed: "Please select an item in the list"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- 🔍 View Disk Info
- 🔄 **Convert Disk**
- ↕️ Resize Disk
- 🗑️ Delete Disk

VM Mangment

- 🖥️ Create VM
- 🖥️ Available VMs

Convert Disk

Source Disk:

-- Choose a disk --

Output Format:

qcow2

Output Name:

j

Convert

Please select an item in the list.

Field	Details
Test Case ID	TC_DISK_06
Test Case Title	Verify error when 'Output Name' field is left empty on the Convert Disk page
Objective	To ensure that the system shows an error when the 'Output Name' field is empty and the user attempts to convert a disk
Preconditions	A disk has been created. User is on the 'Convert Disk' page
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Convert Disk' page 2. Leave the 'Output Name' field empty 3. Fill in other required fields, including the 'Source Disk' field 4. Click on the 'Convert' button
Test Data	Output Name: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- View Disk Info
- ↻ Convert Disk
- ↕ Resize Disk
- 🗑 Delete Disk

VM Mangment

- 🖥 Create VM
- 🖥 Available VMs

Convert Disk

Source Disk:

mydisk1

Output Format:

qcow2

Output Name:

Cor

mydisk1

mydisk1

Manage personal info

Please fill out this field.

Field	Details
Test Case ID	TC_DISK_07
Test Case Title	Verify error when no disk is selected on the Resize Disk page
Objective	To ensure that the system shows an error when no disk is selected and the user attempts to resize a disk
Preconditions	A disk has been created. User is on the 'Resize Disk' page
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Resize Disk' page 2. Do not select any disk 3. Enter the new disk size 4. Click on the 'Resize' button
Test Data	Selected Disk: None, New Size: 50GB
Expected Result	An error message appears: "Please select an item in the list"
Actual Result	Error message displayed: "Please select an item in the list"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- 🔍 View Disk Info
- ↺ Convert Disk
- 🔗 **Resize Disk**
- 🗑 Delete Disk

VM Mangment

- 📄 Create VM
- 📄 Available VMs

Resize Disk

Disk:

-- Choose a disk --

Size:

50

GB

Resize

Please select an item in the list.

Field	Details
Test Case ID	TC_DISK_08
Test Case Title	Verify error when a negative value is entered in the 'Size' field on the Resize Disk page
Objective	To ensure that the system does not accept negative numbers for disk size when resizing a disk
Preconditions	A disk has been created. User is on the 'Resize Disk' page
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Resize Disk' page 2. Select a disk 3. Enter a negative number (e.g., -5) in the 'Size' field 4. Click on the 'Resize' button
Test Data	Size: -5
Expected Result	An error message appears: "Value must be greater than or equal to 1"
Actual Result	Error message displayed: "Value must be greater than or equal to 1"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- 🕒 View Disk Info
- ↺ Convert Disk
- ✓ **Resize Disk**
- 🗑 Delete Disk

VM Mangment

- 🖥 Create VM
- 🖥 Available VMs

Resize Disk

Disk:


mydisk1

Size:

-5

GB

Resize

 Value must be greater than or equal to 1.

Field	Details
Test Case ID	TC_DISK_09
Test Case Title	Verify error when 'Size' field is left empty on the Resize Disk page
Objective	To ensure that the system shows an error when the 'Size' field is left empty and the user attempts to resize a disk
Preconditions	A disk has been created. User is on the 'Resize Disk' page
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Resize Disk' page 2. Select a disk 3. Leave the 'Size' field empty 4. Click on the 'Resize' button
Test Data	Size: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- ⦿ View Disk Info
- ↻ Convert Disk
- ✔ **Resize Disk**
- 🗑 Delete Disk

VM Mangment

- 🖨 Create VM
- 🖨 Available VMs

The screenshot shows the 'Resize Disk' interface. On the left, a sidebar lists disk management actions: '+ Create Disk', '⦿ View Disk Info', '↻ Convert Disk', '✔ **Resize Disk**', and '🗑 Delete Disk'. Below this is the 'VM Mangment' section with '🖨 Create VM' and '🖨 Available VMs'. The main content area is titled 'Resize Disk' and contains a 'Disk:' dropdown menu with 'mydisk1' selected. Below that is a 'Size:' section with a text input field containing the word 'size' and a unit dropdown menu set to 'GB'. A blue 'Resize' button is positioned below the input field. An orange error message box with an exclamation mark icon is displayed over the input field, stating 'Please fill out this field.'

Field	Details
Test Case ID	TC_DISK_10
Test Case Title	Verify error when no disk is selected on the Delete Disk page
Objective	To ensure that the system shows an error when no disk is selected and the user attempts to delete a disk
Preconditions	A disk has been created. User is on the 'Delete Disk' page
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Delete Disk' page 2. Do not select any disk 3. Click on the 'Delete' button
Test Data	Selected Disk: None
Expected Result	An error message appears: "Please select an item in the list"
Actual Result	Error message displayed: "Please select an item in the list"
Status	Pass

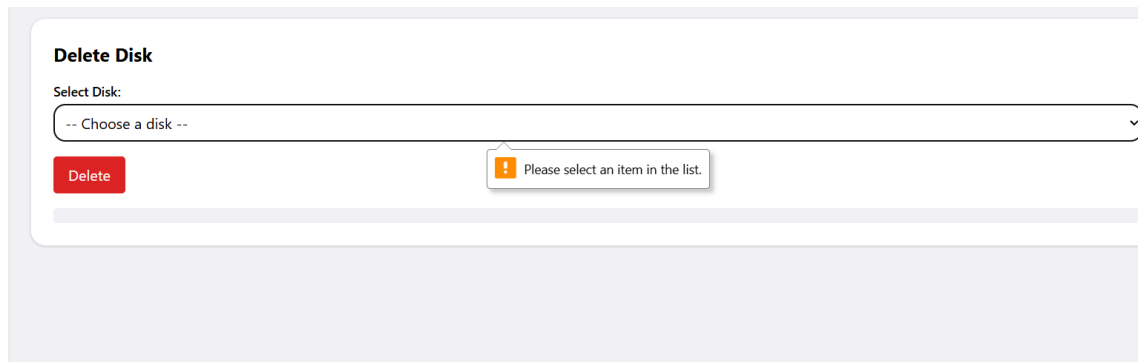
Screenshot

Disk Mangment

- + Create Disk
- 🕒 View Disk Info
- ↔️ Convert Disk
- ↗️ Resize Disk
- 🗑️ Delete Disk**

VM Mangment

- 🖥️ Create VM
- 🖥️ Available VMs



Field	Details
Test Case ID	TC_VM_01
Test Case Title	Verify error when 'Name' field is left empty on the Create VM page
Objective	To ensure that the system shows an error when the 'Name' field is left empty and the user attempts to create a VM
Preconditions	User is on the 'Create VM' page. A disk has been created.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Create VM' page 2. Leave the 'Name' field empty 3. Fill in all other required fields (e.g., select disk, set size, etc.) 4. Click on the 'Create VM' button
Test Data	Name: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- ⦿ View Disk Info
- ↻ Convert Disk
- ✓ Resize Disk
- 🗑 Delete Disk

VM Mangment

- 🖨 Create VM
- 🖨 Available VMs

Create VM

Name:

Disk:

Saved info

×

myd number1

Please fill out this field.

Ram:

CPU Cores:

Boot Device (c, d, a, b):

ISO File (OS image):

Choose File

ubuntu-24.04.2-desktop-amd64.iso

create VM

Field	Details
Test Case ID	TC_VM_02
Test Case Title	Verify error when no disk is selected on the Create VM page
Objective	To ensure that the system shows an error when the user tries to create a VM without selecting a disk
Preconditions	User is on the 'Create VM' page. A disk has been created.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Create VM' page 2. Fill in all required fields except disk selection 3. Leave the disk field empty 4. Click on the 'Create VM' button
Test Data	Disk: None selected
Expected Result	An error message appears: "Please select an item in the list"
Actual Result	Error message displayed: "Please select an item in the list"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- View Disk Info
- Convert Disk
- Resize Disk
- Delete Disk

VM Mangment

- Create VM
- Available VMs

Create VM

Name:

Disk:

-- Choose a disk --

Ram:

4

MB

CPU Cores:

4

Boot Device (c, d, a, b):

Hard Disk (c)

ISO File (OS image):

Choose File

ubuntu-24.04.2-desktop-amd64.iso

create VM

Field	Details
Test Case ID	TC_VM_03
Test Case Title	Verify error when negative value is entered in the RAM size field on the Create VM page
Objective	To ensure that the system does not accept negative numbers for RAM size during VM creation
Preconditions	User is on the 'Create VM' page. A disk has been created.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Create VM' page 2. Fill in all required fields 3. Enter a negative number (e.g., -2) in the RAM size field 4. Click on the 'Create VM' button
Test Data	RAM Size: -2
Expected Result	An error message appears: "Value must be greater than or equal to 1"
Actual Result	Error message displayed: "Value must be greater than or equal to 1"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- ⓘ View Disk Info
- ↔ Convert Disk
- ✓ Resize Disk
- 🗑 Delete Disk

VM Mangment

- 🖥 Create VM
- 🖥 Available VMs

Create VM

Name:

Disk:

Ram:

 MB

CPU Cores:

Boot Device (c, d, a, b):

ISO File (OS image):

ubuntu-24.04.2-desktop-amd64.iso

create VM

Value must be greater than or equal to 1.

Field	Details
Test Case ID	TC_VM_04
Test Case Title	Verify error when RAM size field is left empty on the Create VM page
Objective	To ensure that the system shows an error when the RAM size field is empty during VM creation
Preconditions	User is on the 'Create VM' page. A disk has been created.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Create VM' page 2. Fill in all required fields except the RAM size 3. Leave the RAM size field empty 4. Click on the 'Create VM' button
Test Data	RAM Size: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- ⌚ View Disk Info
- ↔ Convert Disk
- ↕ Resize Disk
- 🗑 Delete Disk

VM Mangment

- 🖥 Create VM
- 🖥 Available VMs

Create VM

Name:

Disk:

Ram:

CPU Cores:

Boot Device (c, d, a, b):

ISO File (OS image):

Choose File ubuntu-24.04.2-desktop-amd64.iso

create VM

Please fill out this field.

Field	Details
Test Case ID	TC_VM_05
Test Case Title	Verify error when negative value is entered in the CPU core field on the Create VM page
Objective	To ensure that the system does not accept negative numbers for CPU cores during VM creation
Preconditions	User is on the 'Create VM' page. A disk has been created.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Create VM' page 2. Fill in all required fields 3. Enter a negative number (e.g., -1) in the CPU core field 4. Click on the 'Create VM' button
Test Data	CPU Cores: -1
Expected Result	An error message appears: "Value must be greater than or equal to 1"
Actual Result	Error message displayed: "Value must be greater than or equal to 1"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- 🕒 View Disk Info
- ↺ Convert Disk
- ↗ Resize Disk
- 🗑 Delete Disk

VM Mangment

- 🖥 Create VM
- 🖥 Available VMs

Create VM

Name:

Disk:

Ram:

CPU Cores:

Boot Device (c, d, a, b):

ISO File (OS image):

Choose File
ubuntu-24.04.2-desktop-amd64.iso

create VM

Field	Details
Test Case ID	TC_VM_06
Test Case Title	Verify error when CPU core field is left empty on the Create VM page
Objective	To ensure that the system shows an error when the CPU core field is empty during VM creation
Preconditions	User is on the 'Create VM' page. A disk has been created.
Test Steps	<ol style="list-style-type: none">1. Navigate to the 'Create VM' page2. Fill in all required fields except the CPU core field3. Leave the CPU core field empty4. Click on the 'Create VM' button
Test Data	CPU Cores: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot

Disk Mangment

- + Create Disk
- View Disk Info
- ↻ Convert Disk
- ↕ Resize Disk
- 🗑 Delete Disk

VM Mangment

- 🖨 Create VM
- 🖨 Available VMs

Create VM

Name:

Disk:

Ram:

CPU Cores:

Boot Device (c, d, a, b):

ISO File (OS image): ubuntu-24.04.2-desktop-amd64.iso

Please fill out this field.

Field	Details
Test Case ID	TC_VM_07
Test Case Title	Verify error when VM name field is left empty during editing from Available VMs page
Objective	To ensure that the system shows an error when the VM name field is left blank during editing from the Available VMs page
Preconditions	User is on the 'Available VMs' page, and a VM exists. The VM is being edited.
Test Steps	<ol style="list-style-type: none">1. Navigate to the 'Available VMs' page2. Click on the 'Edit' button of a VM card3. Leave the VM name field empty4. Click on the 'Save changes' button
Test Data	VM Name: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot

Delete Disk

VM Mangment

Create VM

Available VMs

Boot: c

Run VMeditDelete

Boot: d (ubuntu-24.04.2-desktop-amd64.iso)

Run VMeditDelete

Boot: d (alpine-standard-3.21.3-x86_64.iso)

Run VMeditDelete

Edit VM

Name:

Disk: mydisk1

Ram: 2 MB

CPU Cores: 2

Boot Device (c, d, a, b): Hard Disk (c)

ISO File (OS image): Choose File No file chosen

Save ChangesCancel

Field	Details
Test Case ID	TC_VM_08
Test Case Title	Verify error when no disk is selected during VM edit on the Available VMs page
Objective	To ensure that the system shows an error when no disk is selected during the VM editing process from the Available VMs page
Preconditions	User is on the 'Available VMs' page, and a VM exists. The VM is being edited.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Available VMs' page 2. Click on the 'Edit' button of a VM card 3. Leave the disk selection empty 4. Click on the 'Save Changes' button
Test Data	Disk: (left blank)
Expected Result	An error message appears: "Please select an item in the list"
Actual Result	Error message displayed: "Please select an item in the list"
Status	Pass

Screenshot

Delete Disk

VM Mangment

Create VM

Available VMs

Boot: c

Run VMeditDelete

Boot: d (ubuntu-24.04.2-desktop-amd64.iso)

Run VMeditDelete

Boot: d (alpine-standard-3.21.3-x86_64.iso)

Run VMeditDelete

Edit VM

Name:

new

Disk:

-- Choose a disk --

Ram:

2

MB

CPU Cores:

2

Boot Device (c, d, a, b):

Hard Disk (c)

ISO File (OS image) :

Choose File

No file chosen

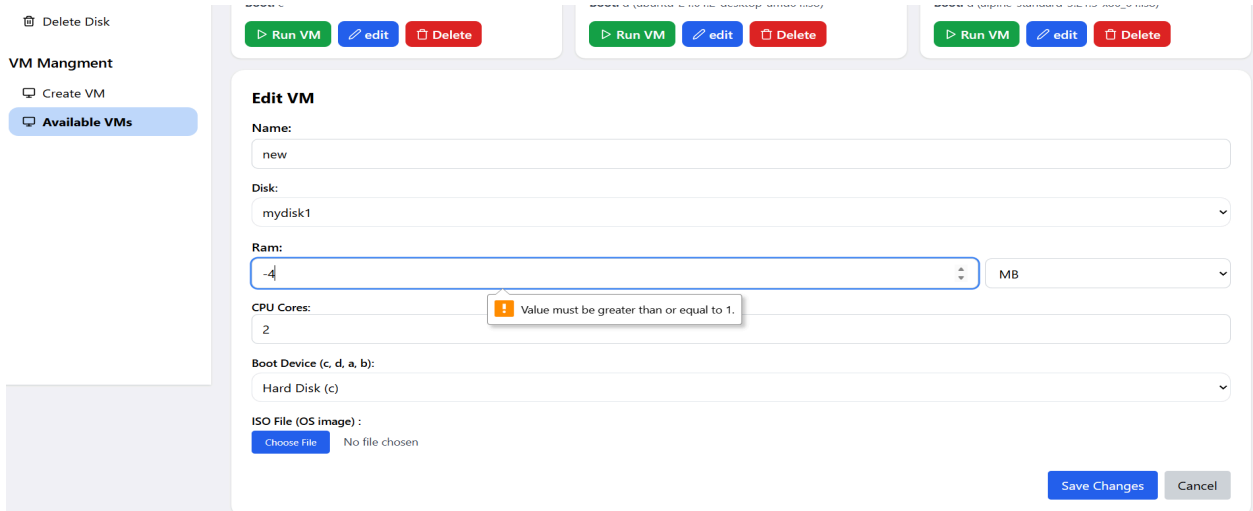
Save Changes

Cancel

Please select an item in the list.

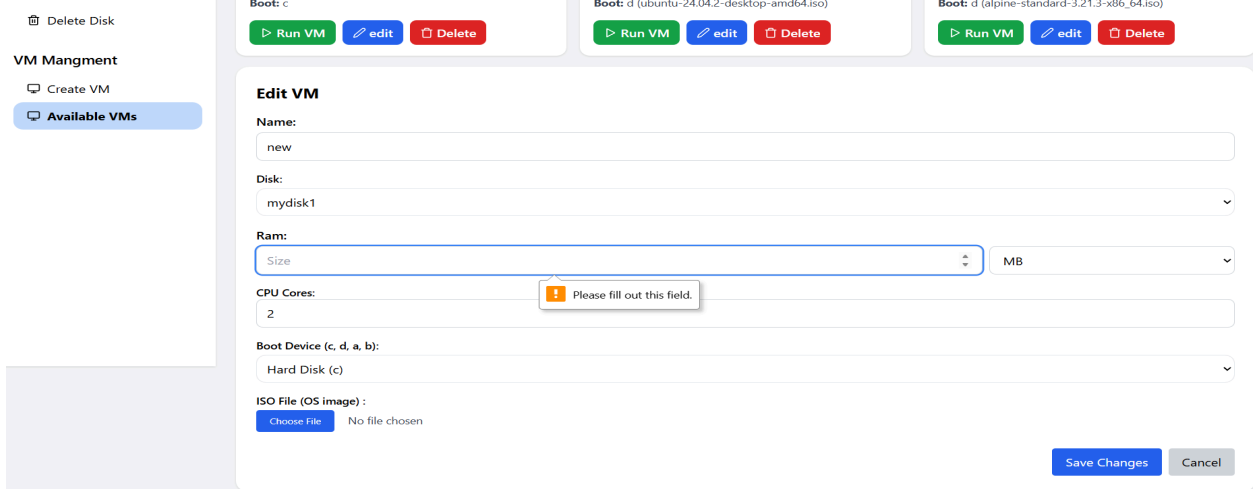
Field	Details
Test Case ID	TC_VM_09
Test Case Title	Verify error when negative RAM size is entered during VM edit on Available VMs page
Objective	To ensure that the system does not accept negative values for RAM size during the VM editing process on the Available VMs page
Preconditions	User is on the 'Available VMs' page, and a VM exists. The VM is being edited.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Available VMs' page 2. Click on the 'Edit' button of a VM card 3. Enter a negative value (e.g., -4) in the RAM size field 4. Click on the 'Save Changes' button
Test Data	RAM Size: -4
Expected Result	An error message appears: "Value must be greater than or equal to 1"
Actual Result	Error message displayed: "Value must be greater than or equal to 1"
Status	Pass

Screenshot



Field	Details
Test Case ID	TC_VM_10
Test Case Title	Verify error when RAM size field is left empty during VM edit on Available VMs page
Objective	To ensure that the system shows an error when the RAM size field is left empty during the VM editing process on the Available VMs page
Preconditions	User is on the 'Available VMs' page, and a VM exists. The VM is being edited.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Available VMs' page 2. Click on the 'Edit' button of a VM card 3. Leave the RAM size field empty 4. Click on the 'Save Changes' button
Test Data	RAM Size: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot



Field	Details
Test Case ID	TC_VM_11
Test Case Title	Verify error when negative CPU core value is entered during VM edit on Available VMs page
Objective	To ensure that the system does not accept negative values for CPU cores during the VM editing process on the Available VMs page
Preconditions	User is on the 'Available VMs' page, and a VM exists. The VM is being edited.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Available VMs' page 2. Click on the 'Edit' button of a VM card 3. Enter a negative value (e.g., -2) in the CPU core field 4. Click on the 'Save Changes' button
Test Data	CPU Cores: -2
Expected Result	An error message appears: "Value must be greater than or equal to 1"
Actual Result	Error message displayed: "Value must be greater than or equal to 1"
Status	Pass

Screenshot

Delete Disk

VM Mangment

Create VM

Available VMs

Boot: c

Run VM

edit

Delete

Boot: d (ubuntu-24.04.2-desktop-amd64.iso)

Run VM

edit

Delete

Boot: d (alpine-standard-3.21.3-x86_64.iso)

Run VM

edit

Delete

Edit VM

Name:

new

Disk:

mydisk1

Ram:

2

MB

CPU Cores:

-2

Boot Device (c, d, a, b):

Hard Disk (c)

ISO File (OS image):

Choose File

No file chosen

Value must be greater than or equal to 1.

Save Changes

Cancel

Field	Details
Test Case ID	TC_VM_12
Test Case Title	Verify error when CPU core field is left empty during VM edit on Available VMs page
Objective	To ensure that the system shows an error when the CPU core field is left empty during the VM editing process on the Available VMs page
Preconditions	User is on the 'Available VMs' page, and a VM exists. The VM is being edited.
Test Steps	<ol style="list-style-type: none"> 1. Navigate to the 'Available VMs' page 2. Click on the 'Edit' button of a VM card 3. Leave the CPU core field empty 4. Click on the 'Save Changes' button
Test Data	CPU Cores: (left blank)
Expected Result	An error message appears: "Please fill out this field"
Actual Result	Error message displayed: "Please fill out this field"
Status	Pass

Screenshot

Delete Disk

VM Mangment

Create VM

Available VMs

BOOT: c

Run VM

edit

Delete

BOOT: d (ubuntu-24.04.2-desktop-amd64.iso)

Run VM

edit

Delete

BOOT: a (alpine-standard-3.21.3-x86_64.iso)

Run VM

edit

Delete

Edit VM

Name:

new

Disk:

mydisk1

Ram:

2

MB

CPU Cores:

Boot Device (c, d, a, b):

Hard Disk (c)

ISO File (OS image):

Choose File

No file chosen

Please fill out this field.

Save Changes

Cancel