

How to modify a virtual machine

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Introduction

This section shows you how to use Ansible to modify an existing virtual machine.

Scenario requirements

You've already followed [ref`vmware_rest_create_vm`](#) and created a VM.

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Unknown interpreted text role "ref".

How to add a CDROM drive to a virtual machine

In this example, we use the `vcenter_vm_hardware_*` modules to add a new CDROM to an existing VM.

Add a new SATA adapter

First we create a new SATA adapter. We specify the `pci_slot_number`. This way if we run the task again it won't do anything if there is already an adapter there.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel][docs][docsite][rst][scenario_guides][vmware_rest_scenarios]vm_hardware_tuning.rst, line 31)

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Create_a_SATA_adapter_at_PCI_slot_34.task.yaml
```

Result

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel][docs]

```
[docsite] [rst] [scenario_guides] [vmware_rest_scenarios] vm_hardware_tuning.rst, line 36)
```

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Create_a_SATA_adapter_at_PCI_slot_34.result.json
```

Add a CDROM drive

Now we can create the CDROM drive:

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs]
[docsite] [rst] [scenario_guides] [vmware_rest_scenarios] vm_hardware_tuning.rst, line 43)
```

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Attach_an_ISO_image_to_a_guest_VM.task.yaml
```

Result

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs]
[docsite] [rst] [scenario_guides] [vmware_rest_scenarios] vm_hardware_tuning.rst, line 48)
```

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Attach_an_ISO_image_to_a_guest_VM.result.json
```

How to attach a VM to a network

Attach a new NIC

Here we attach the VM to the network (through the portgroup). We specify a `pci_slot_number` for the same reason.

The second task adjusts the NIC configuration.

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs]
[docsite] [rst] [scenario_guides] [vmware_rest_scenarios] vm_hardware_tuning.rst, line 63)
```

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Attach_a_VM_to_a_dvswitch.task.yaml
```

Result

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs]
[docsite] [rst] [scenario_guides] [vmware_rest_scenarios] vm_hardware_tuning.rst, line 68)
```

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Attach_a_VM_to_a_dvswitch.result.json
```

Adjust the configuration of the NIC

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs]
[docsite] [rst] [scenario_guides] [vmware_rest_scenarios] vm_hardware_tuning.rst, line 73)
```

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Turn_the_NIC's_start_connected_flag_on.task.yaml
```

Result

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel][docs]
[docsite][rst][scenario_guides][vmware_rest_scenarios]vm_hardware_tuning.rst, line 78)
Unknown directive type "literalinclude".

.. literalinclude:: task_outputs/Turn_the_NIC's_start_connected_flag_on.result.json
```

Increase the memory of the VM

We can also adjust the amount of memory that we dedicate to our VM.

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel][docs]
[docsite][rst][scenario_guides][vmware_rest_scenarios]vm_hardware_tuning.rst, line 85)
Unknown directive type "literalinclude".

.. literalinclude:: task_outputs/Increase_the_memory_of_a_VM.task.yaml
```

Result

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel][docs]
[docsite][rst][scenario_guides][vmware_rest_scenarios]vm_hardware_tuning.rst, line 90)
Unknown directive type "literalinclude".

.. literalinclude:: task_outputs/Increase_the_memory_of_a_VM.result.json
```

Upgrade the hardware version of the VM

Here we use the `vcenter_vm_hardware` module to upgrade the version of the hardware:

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel][docs]
[docsite][rst][scenario_guides][vmware_rest_scenarios]vm_hardware_tuning.rst, line 97)
Unknown directive type "literalinclude".

.. literalinclude:: task_outputs/Upgrade_the_VM_hardware_version.task.yaml
```

Result

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel][docs]
[docsite][rst][scenario_guides][vmware_rest_scenarios]vm_hardware_tuning.rst, line 102)
Unknown directive type "literalinclude".

.. literalinclude:: task_outputs/Upgrade_the_VM_hardware_version.result.json
```

Adjust the number of CPUs of the VM

You can use `vcenter_vm_hardware_cpu` for that:

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel][docs]
[docsite][rst][scenario_guides][vmware_rest_scenarios]vm_hardware_tuning.rst, line 109)
Unknown directive type "literalinclude".
```

```
.. literalinclude:: task_outputs/Dedicate_one_core_to_the_VM.task.yaml
```

Result

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs] [docsite] [rst] [scenario_guides] [vmware_rest_scenarios]vm_hardware_tuning.rst, line 114)

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Dedicate_one_core_to_the_VM.result.json
```

Remove a SATA controller

In this example, we remove the SATA controller of the PCI slot 34.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs] [docsite] [rst] [scenario_guides] [vmware_rest_scenarios]vm_hardware_tuning.rst, line 121)

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Remove_SATA_adapter_at_PCI_slot_34.result.json
```

Result

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs] [docsite] [rst] [scenario_guides] [vmware_rest_scenarios]vm_hardware_tuning.rst, line 126)

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Remove_SATA_adapter_at_PCI_slot_34.result.json
```

Attach a floppy drive

Here we attach a floppy drive to a VM.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs] [docsite] [rst] [scenario_guides] [vmware_rest_scenarios]vm_hardware_tuning.rst, line 133)

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Add_a_floppy_disk_drive.task.yaml
```

Result

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs] [docsite] [rst] [scenario_guides] [vmware_rest_scenarios]vm_hardware_tuning.rst, line 138)

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Add_a_floppy_disk_drive.result.json
```

Attach a new disk

Here we attach a tiny disk to the VM. The capacity is in bytes.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel] [docs]

[docsite][rst][scenario_guides][vmware_rest_scenarios]vm_hardware_tuning.rst, line 145)

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Create_a_new_disk.task.yaml
```

Result

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\[ansible-devel][docs][docsite][rst][scenario_guides][vmware_rest_scenarios]vm_hardware_tuning.rst, line 150)

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Create_a_new_disk.result.json
```