How to modify a virtual machine

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.

> **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 19);** *backlink*
>
> 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)`

Add a CDROM drive

Now we can create the CDROM drive:

Result

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.

Result

Adjust the configuration of the NIC

Result

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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.

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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:

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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:

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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.

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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.

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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.

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devel\docs\docsite\rst\scenario_guides\vmware_rest_scenarios\(ansible-devel)(docs)

Unknown directive type "literalinclude".

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

Result

Unknown directive type "literalinclude".

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