

# How to run a virtual machine

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## Introduction

This section covers the power management of your virtual machine.

## Power information

Use `vcenter_vm_power_info` to know the power state of the 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]run_a_vm.rst, line 21)
```

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Get_guest_power_information.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]run_a_vm.rst, line 26)
```

Unknown directive type "literalinclude".

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

## How to start a virtual machine

Use the `vcenter_vm_power` module to start your 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]run_a_vm.rst, line 34)
```

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Turn_the_power_of_the_VM_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]run_a_vm.rst, line 39)
```

Unknown directive type "literalinclude".

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

## How to wait until my virtual machine is ready

If your virtual machine runs VMware Tools, you can build a loop around the `center_vm_tools_info` module:

**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]run\_a\_vm.rst, line 47)**

Unknown directive type "literalinclude".

```
.. literalinclude:: task_outputs/Wait_until_my_VM_is_ready.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]run\_a\_vm.rst, line 52)**

Unknown directive type "literalinclude".

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