Demo: Creating an Azure VM by using PowerShell

In this Demo, you will learn how to create a virtual machine by using PowerShell.

Create the virtual machine

1. Launch the **Cloud Shell**, or open a local PowerShell window.
   - If running locally use the `Connect-AzAccount` command to connect to your account.
2. Run this code:

```
$myResourceGroup = Read-Host -prompt "Enter a resource group name: "
$myLocation = Read-Host -prompt "Enter a location (ie. WestUS): "
$myVM = Read-Host -prompt "Enter a VM name: "
$vmAdmin = Read-Host -prompt "Enter a VM admin user name: "

# The password must meet the length and complexity requirements.
$vmPassword = Read-Host -prompt "Enter the admin password: "

# create a resource group
New-AzResourceGroup -Name $myResourceGroup -Location $myLocation

# Create the virtual machine. When prompted, provide a username
# and password to be used as the logon credentials for the VM.

New-AzVm `
    -ResourceGroupName $myResourceGroup `
    -Name $myVM `
    -Location $myLocation `
    -adminUsername $vmAdmin `
    -adminPassword $vmPassword
```

It will take a few minutes for the VM to be created.

Verify the machine creation in the portal

1. Access the portal and view your virtual machines.
2. Verify the new VM was created.
3. Connect to the new VM:
   - Select the VM you just created.
   - Select **Connect**.
   - Launch Remote Desktop connect to the VM with the IP address and port information displayed.

Clean up resources

When no longer needed, you can delete the resource group, virtual machine, and all related resources. Replace `<myResourceGroup>` with the name you used earlier, or you can delete it through the portal.

```
Remove-AzResourceGroup -Name "<myResourceGroup>"
```

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