

## Exercise 3 - Reverting a Virtual Machine.

Checkpoints produced in Hyper-V will capture a snapshot of the virtual machine's current settings. This checkpoint then serves as a point of reference for reverting the machine to a previous state.

Reverting helps undo non-essential or unintended modifications to the machine.

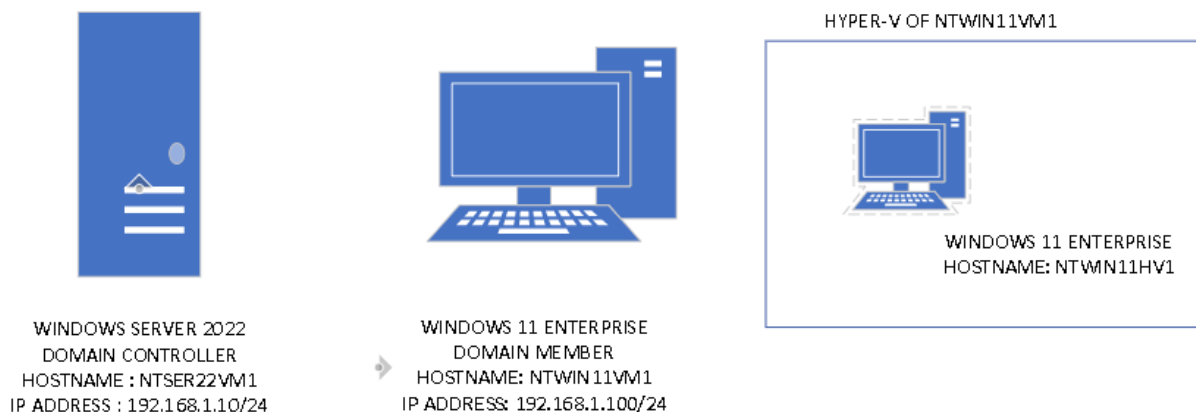
You can create numerous checkpoints to record the machine's system settings at different periods in time. This can be useful when experimenting with different setup options on the system.

**Note:** Please read the Microsoft official docs for [Hyper-V system requirement](#)

In this exercise,

1. Installation to create a checkpoint

### Topology



DOMAIN = networktute.com

NTSER22VM1 = Windows Server 2022 – Domain Controller

NTWIN11VM1 = Windows 11 – Domain Member

NTWIN11HV1 = Windows 11 Hyper-V VM

### Prerequisite

- *VMware Workstation 16 Pro*

- When making this tutorial, we used the “Windows Server 2019” VM Template and “Windows 10 & later” VM Template. Since VMware didn’t have the updated templates.
- *Microsoft Windows Server 2022*
- *Microsoft Windows 11*

## Task 1: Create a Checkpoint

Saving a checkpoint before making any big changes, such as a software update, can be important so that if the changes cause any problems, the checkpoint can be used to restore the computer to a previous state.

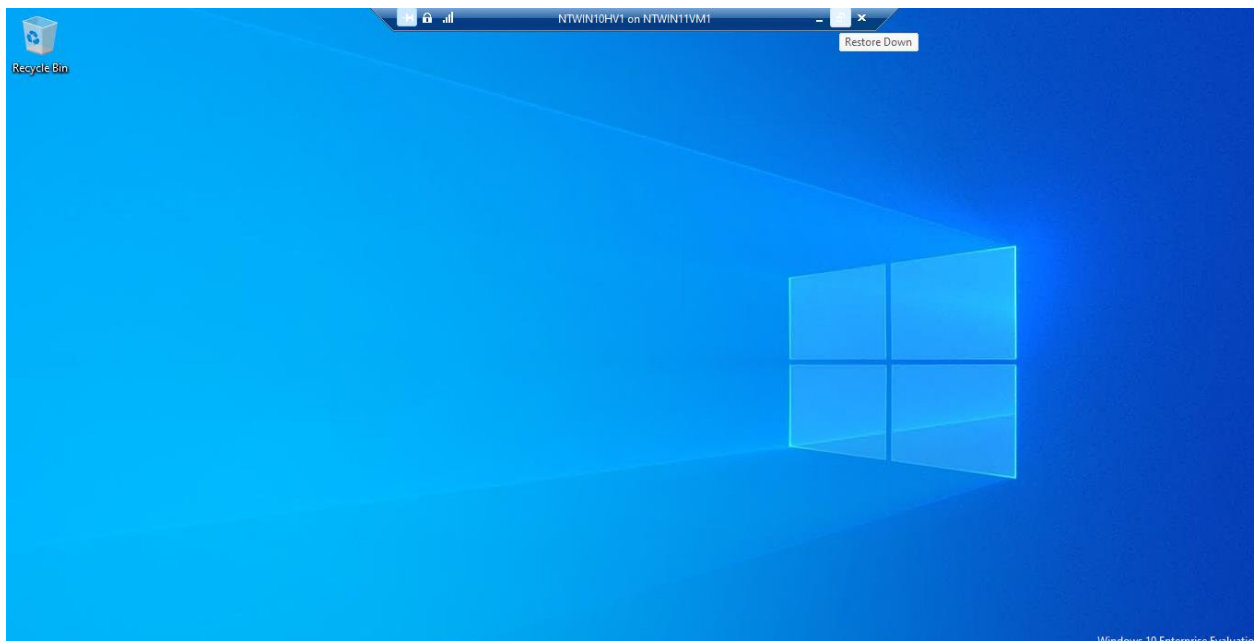
A checkpoint can be created using the checkpoint icon available in the virtual machine’s taskbar.

Now let’s, create a checkpoint on the newly created virtual machine.

### Step 1:

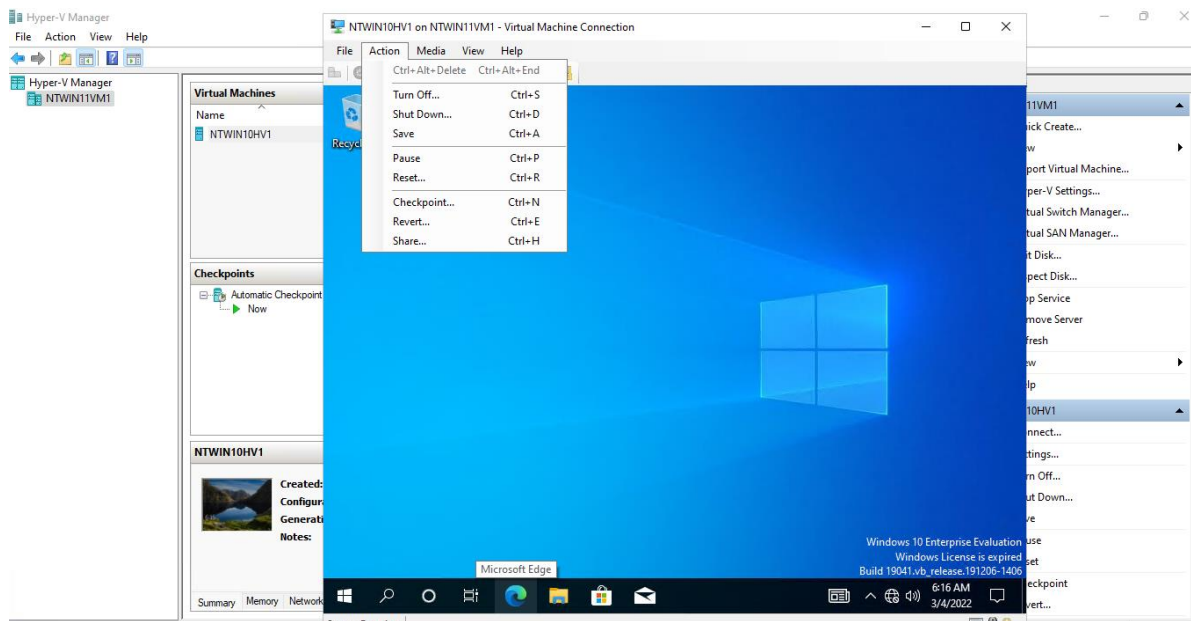
On the **NTWIN11VM1** device, the **NTWIN11HV1** on **NTWIN11VM1** window is open.

Click the **Restore Down** button on the connection bar at the top so you can access the toolbar and menu.



## Step 2:

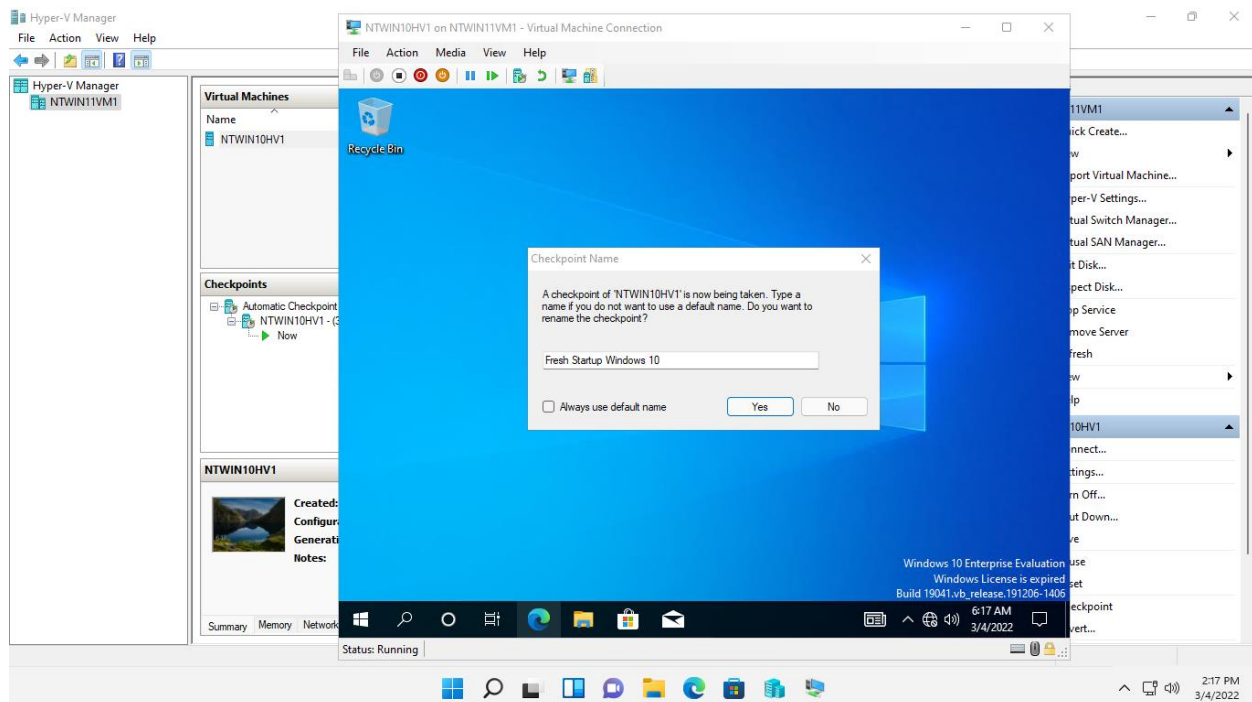
On the **NTWIN11HV1** on **NTWIN11VM1** window, click the Action and Select Checkpoint.



## Step 3:

On the **Checkpoint Name** dialog box, type: **Fresh Startup Windows 10**

Click **Yes**.



## Task 2: Revert a Virtual Machine

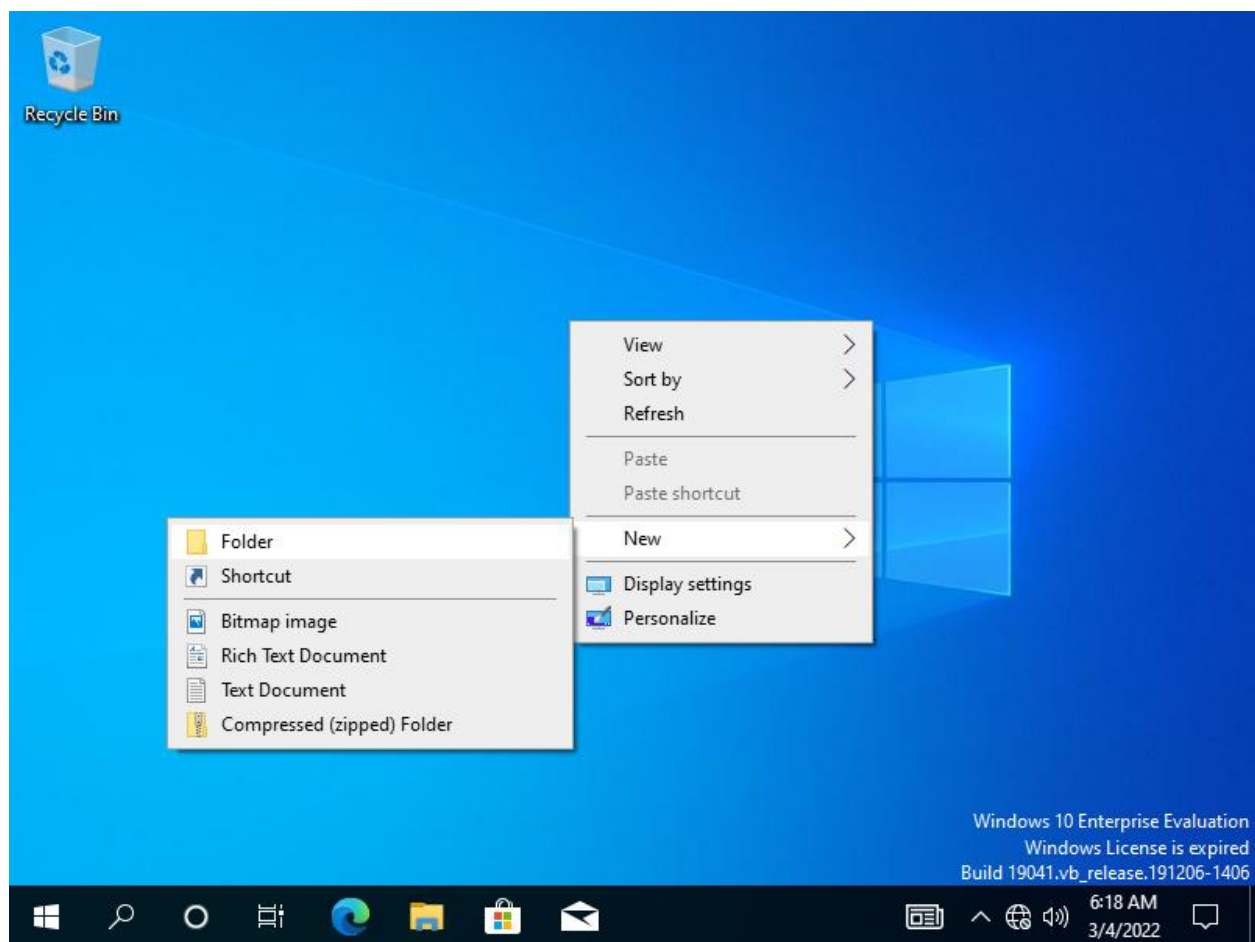
When you reverse a machine, you undo all of the changes made after the checkpoint was created.

Now let's, add a folder to PLABWIN103 and then see the effect of reverting the machine.

### Step 1:

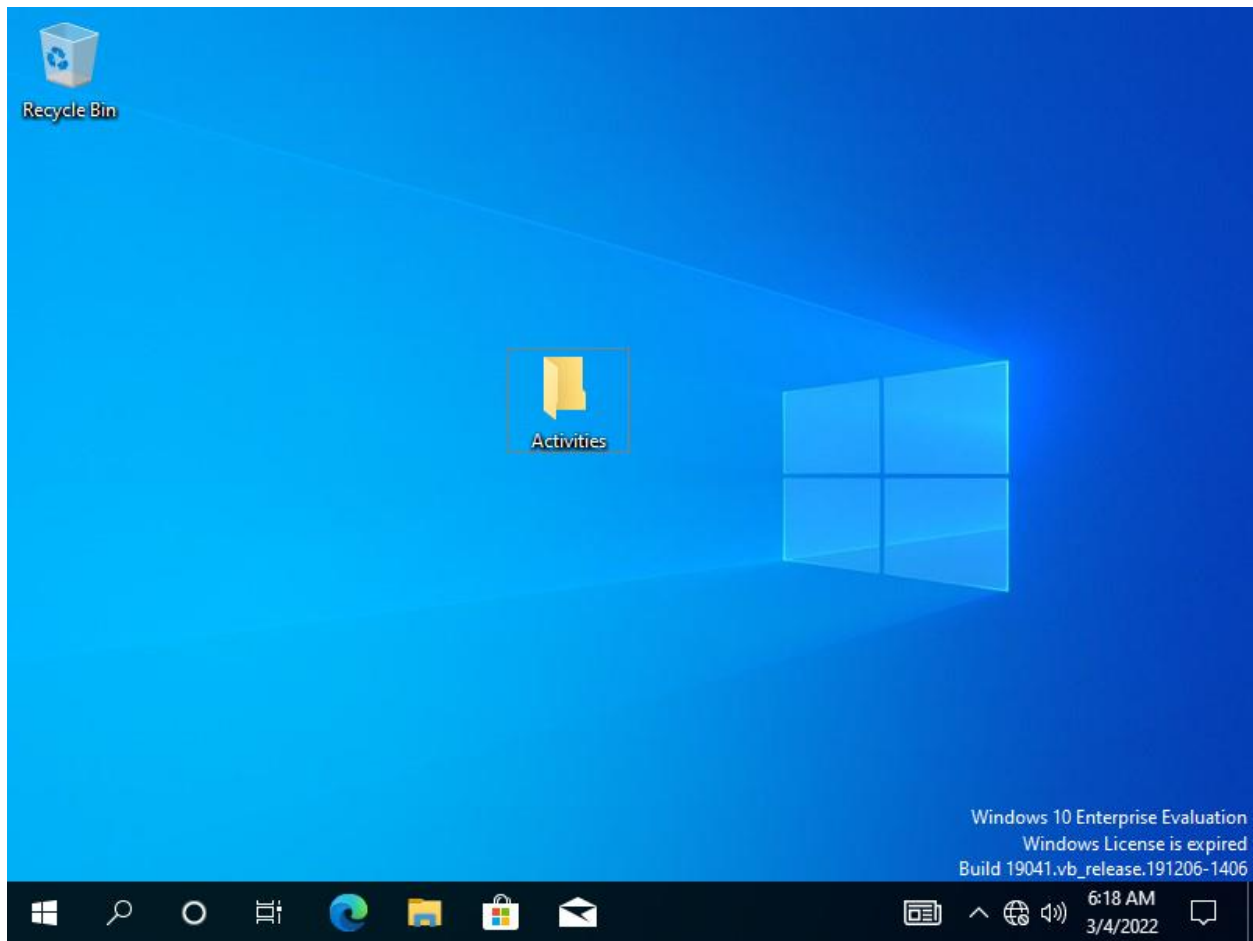
On the **NTWIN11HV1** guest virtual machine, right-click anywhere on the desktop and click **New**.

Once the pop-out menu appears, then select **Folder**.



## Step 2:

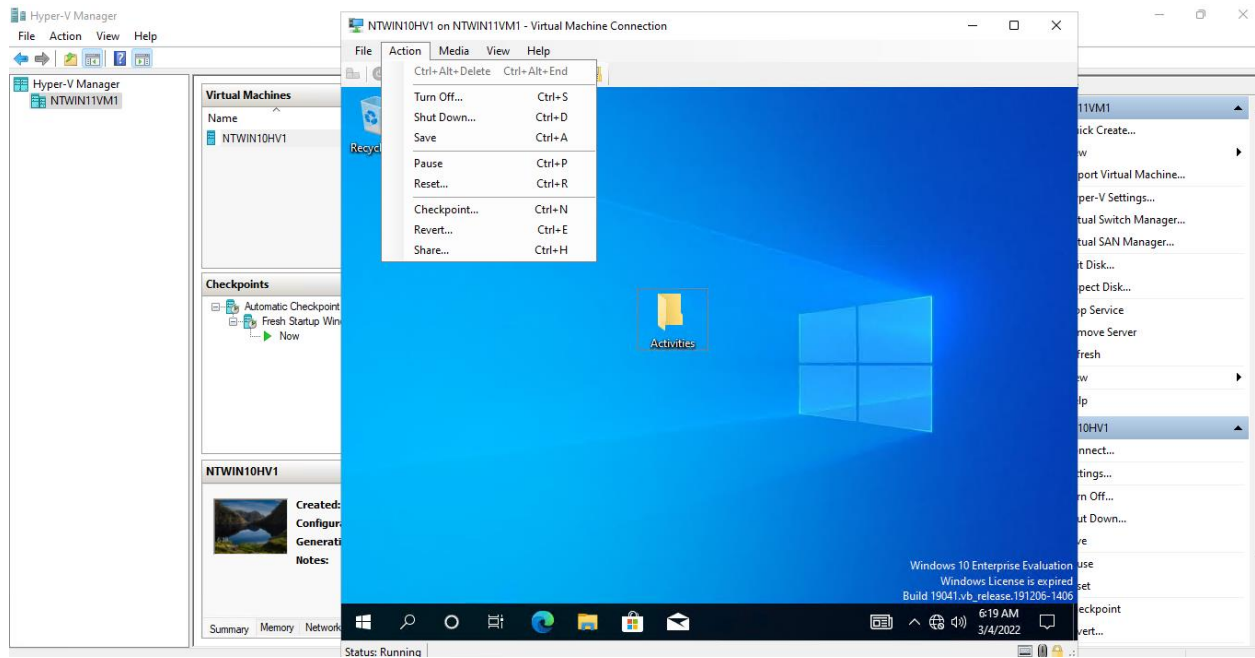
Name the folder as: **Activities**



## Step 3:

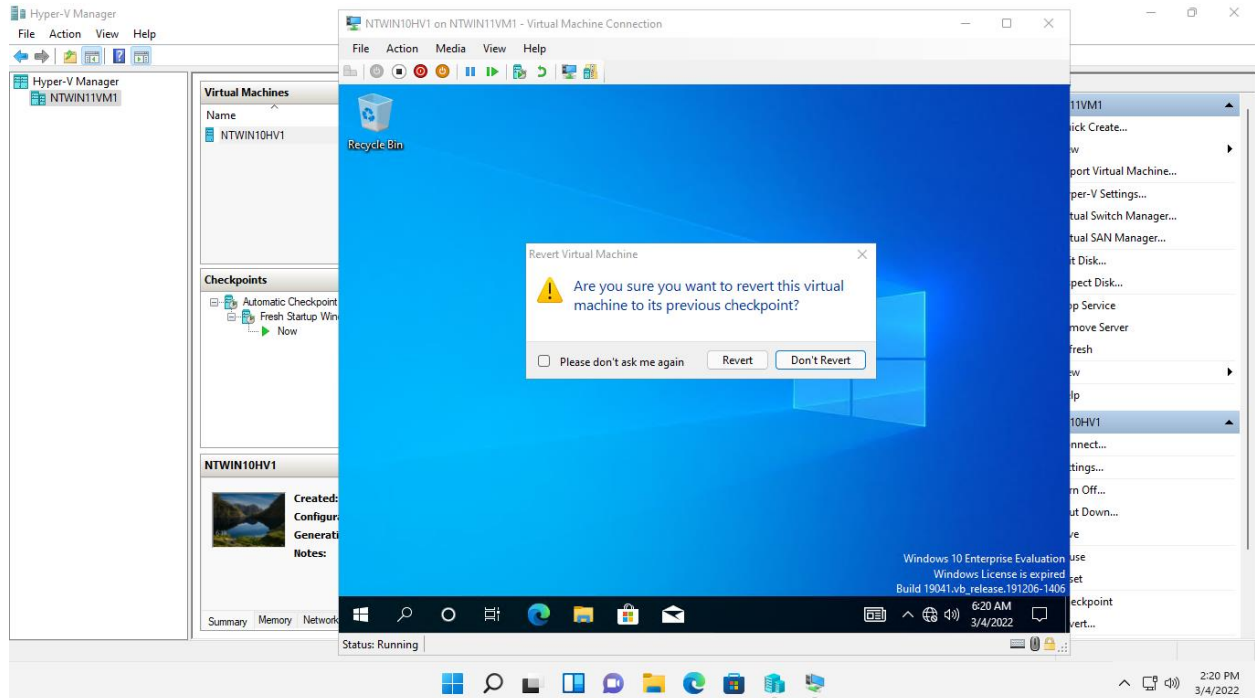
Click the **Restore Down** button to access the toolbar and menu.

Click **Action** and select **Revert**



## Step 4:

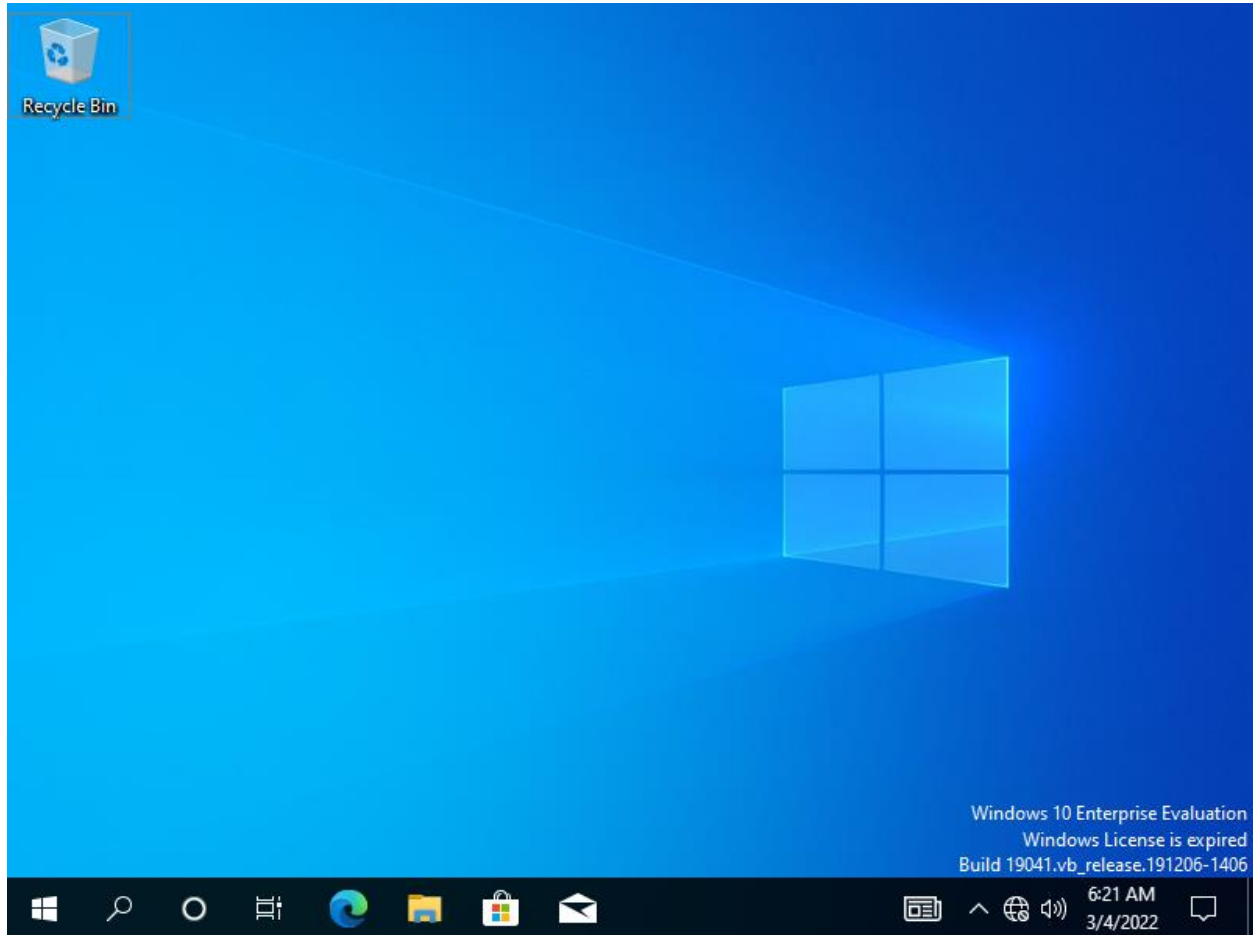
On the **Revert Virtual Machine** message box, click **Revert**.



### Step 5:

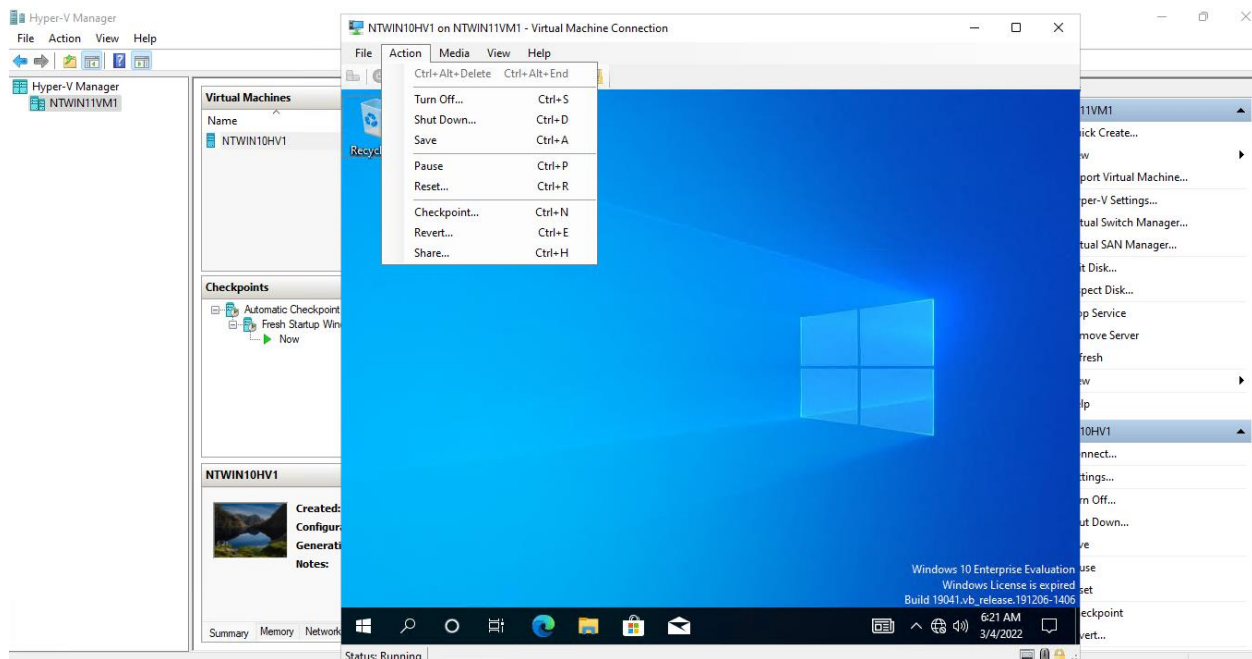
**NTWIN11HV1** will shut down temporarily and turn itself back on.

Notice that the **Activities** folder that was created earlier is deleted after the machine is reverted



### Step 6:

Click the **Action** menu and select **Shut Down....**



## Step 7:

On the **Shut Down Machine** message box, click **Shut Down**.

