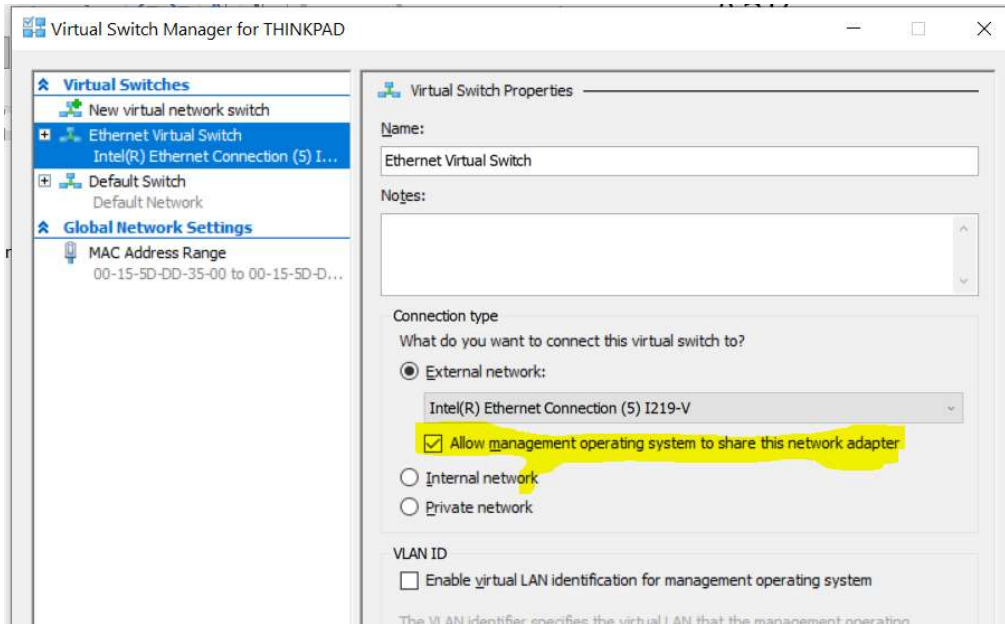


## Configuring Hyper-V Virtual Switch For ISTA+ Guest

### Dedicated Physical NIC to VM Guest:

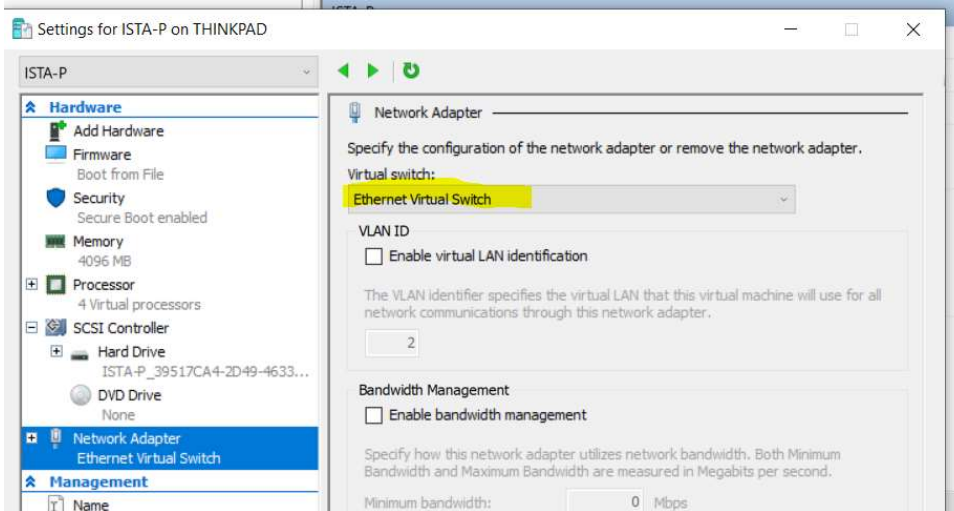
- 1) In Hyper-V Manager: Configure an Ethernet Virtual Switch, uncheck “Allow management operating system to share this adapter”:



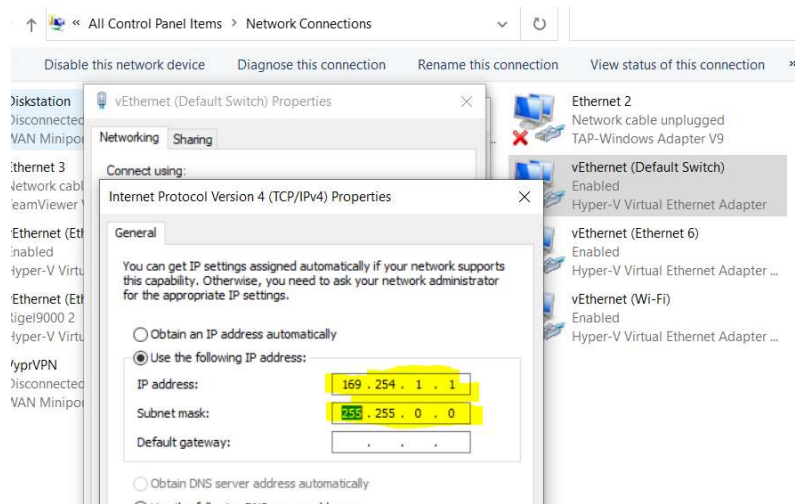
**Note:** Unchecking this box causes the host machine to “lose” the “vEthernet (Ethernet Virtual Switch)” adapter. The host now uses the “vEthernet (Default Switch)” for controlling the physical adapter settings (which we will set a static IP for later). Re-checking the box adds this virtual ethernet adapter back to the host, and it is again used for configuring the physical ethernet adapter.

- 2) In ISTA-P VM “Settings” , under Network Adapter, choose “Ethernet Virtual Switch” from the dropdown (Though the name is the same as an item in the host’s adapters, it’s not the same vEthernet adapter that disappeared in step 1. This was confusing to me.):

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- 3) In the host (laptop) Ethernet Adapter settings, choose “vEthernet Default Switch” adapter and under properties, IPv4, set a static IP of 169.254.1.1 and a mask of 255.255.0.0 (must be /16 as OBD port may be outside the /24 range):



- 4) While the guest VM is off, note the status in Hyper-V control panel under {Guest Name}->Networking tab:



- 5) [This step is useful for first time setup to help confirm pass through connectivity - if the guest has been configured in an earlier session, can skip to Step 7]. Connect an ethernet cable from

## Configuring Hyper-V Virtual Switch For ISTA+ Guest

the laptop to a hub or router. Power on the guest. If you have previously set the static IP in the guest OS in an earlier session, then the guest's Networking status should change to "OK" with the static IP set in both the host and the guest:



Adapter	Connection	IP Addresses	Status
Network Adapter (Dynamic MA...	Ethernet Virtual Switch	169.254.1.1, fe80::c5c:d91:37...	OK

- 6) If you have not configured the adapter in the guest OS, then connect to the VM, and for the one ethernet adapter, change its IPv4 settings to the same as the host (169.254.1.1 and mask of 255.255.0.0). At this point, under the host Hyper-V Manager, click a different VM and click back to the ISTA-P vm to refresh the Networking status. It should now match the graphic in Step 5.
- 7) Disconnect the ethernet cable and plug in the ODB ethernet dongle to the laptop. Connect the other end to the vehicle and start ISTA+ in the guest. Proceed with maintenance in ISTA+.

## Configuring Hyper-V Virtual Switch For ISTA+ Guest

- When finished, shut down the VM and under Hyper-V Manager, re-check the “Allow management operating system to share this adapter” so that the laptop goes back to using the vEthernet (Ethernet Virtual Switch)” adapter. Confirm your vEthernet (Ethernet Virtual Switch) adapter IPv4 settings in the host laptop are back to normal (typically “Obtain an IP address automatically”):

