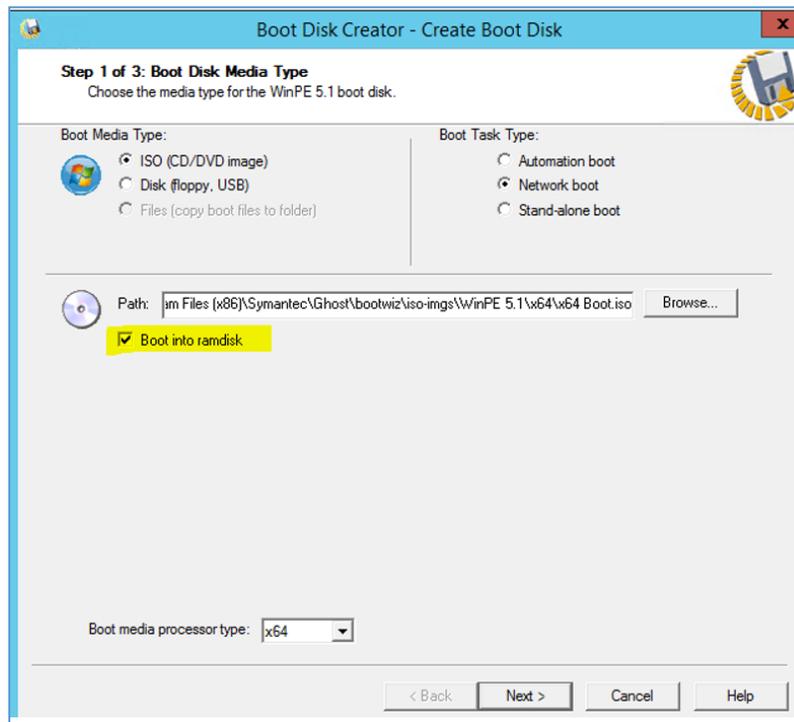


# How to Image a Microsoft Surface Tablet

## A. Setting up Ghost

1. Add NIC drivers to Ghost Boot Disk
  - a. Launch Ghost Boot Disk Creator from Ghost Standalone Tools
  - b. Right-Click x64 Configuration
  - c. Click Next
  - d. Click Have Disk
  - e. Copy Surface Pro 4 drivers from to Drivers folder on Ghost Server:
    - i. Select the x64 NIC driver to add Mrvlpicie8897.inf
  - f. Complete process for adding NIC driver to the x64 Boot Disk
  
2. Create a new Ghost Boot Disk
  - a. Right click the x64 Configuration and choose Create Boot Disk
  - b. Boot Media Type: Select ISO
  - c. Boot Task Type: Network boot
  - d. Check box next to Boot into ramdisk
  - e. Boot media processor type: x64
  - f. Browse to a location and save the ISO
  - g. Copy the ISO to a USB flash drive using Rufus with the **Partition scheme and target system type: GPT partition scheme for UEFI**



# How to Image a Microsoft Surface Tablet

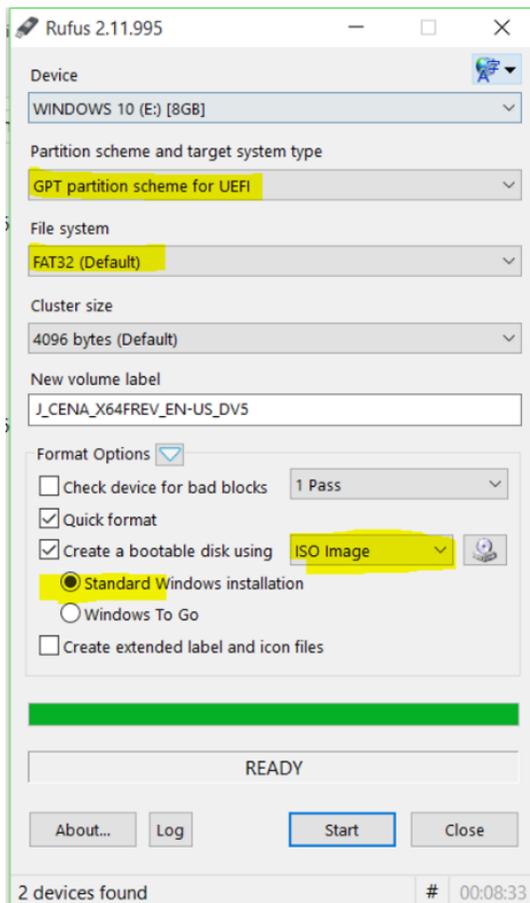
3. Create a Pre-Boot Configuration specifically for Microsoft Surface
  - a. Go into Book Disk Creator within the Ghost Console
  - b. Right-Click on Configurations and choose New Configuration
  - c. Name the Configuration: Microsoft Surface
  - d. Click Next
  - e. Add NIC drivers from step A. 1. e above
  - f. Complete process for adding NIC driver to the Microsoft Surface Configuration

## B. Creating Windows 10 Base Image on Surface

Because the Microsoft Surface Tablets have a GPT partition scheme for UEFI instead of an MBR for BIOS, none of the other images that have been built are deployable to the Surface. Creating a custom Windows 10 base image for the Surface will need to be done on the Surface. Equipment needed to Create/Capture/Deploy images to Surface Tablets:

4-Port USB Hub  
USB Ethernet Dongle  
External USB Storage Drive

1. Copy Windows 10 ISO to a USB flash drive with the following settings in Rufus:



# How to Image a Microsoft Surface Tablet

2. Disable Secure Boot on Surface
  - a. Power off the Surface
  - b. Press and hold the volume-up button
  - c. Press and release the power button while holding down the volume up button
  - d. Release the volume up button when the Surface logo appears
  - e. Select **Secure Boot Control**
  - f. Select **Disable**
  - g. Select **Exit Setup**, then **Yes** to save and restart the device
3. Install Windows 10 to the Surface by booting the Surface with the Windows 10 AU boot disk created in the above step
  - a. Press CTRL + SHIFT + F3 at the Customize settings screen to go into Audit Mode
4. Build the Base Image for the Surface
5. Capture Base Image locally to an External Storage Drive via USB (Local in Ghost application, not GhostCast)

## C. Deploying Windows 10 Base Image to Surface

1. Disable Secure Boot on Surface (See instructions in step 2 in section B above).
2. Insert the 4-Port USB Hub into Surface with the following devices attached:
  - a. USB Storage Drive
  - b. Ghost Boot Disk
  - c. USB Ethernet Dongle
3. Boot the Surface from the Ghost Boot Disk
4. Deploy the Windows 10 AU Base Image that was created in step 4 in section B.
5. Enable Secure Boot Mode on Surface
6. Run cleanup tasks on machine with a Ghost task including, but not limited to:
  - a. Delete the DeleteMe user account
  - b. Disable Boot Manager Window
  - c. Activate Office 2016 via KMS

Notes:

If you choose to capture a Surface image and save it to the Deployment Server to deploy through Ghost Console, then be prepared for slow capture/deployment speeds. That is why Capturing and Deploying locally from a USB External Storage Drive is recommended in the instructions. For example, a 30 GB image file for a Surface Tablet that is blasted from ghost console took over 2 hours. That same 30 GB image file was deployed locally from a USB External Storage Drive in 45 minutes.

If you try to deploy any other existing sysprepped image file to a Surface, then the Surface will brick. The resolution to this outcome is step C.