

## G U I D E

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TECHNOLOGY: WINDOWS 8

TITLE: WINDOWS TO GO CREATION GUIDE

The following guide will allow you to configure a USB device that is Windows 8 To Go 'Ready'.

This guide is designed for users who are not yet running Windows 8, and whilst it can be followed if you are running Windows 8 IF you have Windows 8 Enterprise then a much simpler option is to use the 'Windows To Go Creator Wizard' (*accessible from the Control Panel or search*) which automates:

- USB Device provisioning process,
- Windows 8 Instalment (you still need to have the Windows 8 Enterprise install media for this) and
- Bitlocker enablement options.

As you are creating a portable instance of your Windows 8 Operating System which is likely to contain private data we strongly recommend you activate the built in bitlocker drive encryption technology.

The process below requires you to enabled bitlocker drive encryption AFTER creating your 'Windows To Go Drive' from within the Windows To Go workspace.

You can access an online version of this at <http://nrgfixit.net/2012/11/24/windows-8-to-go/>

*This process requires Windows 8 Enterprise install media and does not work with other versions.*

For a Windows To Go Feature Overview and more information please visit the Microsoft TechNet site. <http://technet.microsoft.com/en-us/library/hh831833.aspx>

### Preparation Phase:

#### **Step 1. Get the imagex.exe from the Windows Automated Installation Kit (AIK):**

1. Download the Windows Automated Installation Kit (AIK) for Windows 7 (1.7GB) <http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=5753>
2. Download WinRAR, then uncompress the AIK ISO file that you downloaded, browse and extract the Neutral.cab file.
3. Uncompressed the Neutral.cab with WinRAR, and extract the file name **F1\_imagex**.
4. Rename the file **F1\_imagex** to **imagex.exe**.

#### **Step 2. Get the install.wim Windows 8 Enterprise Install File:**

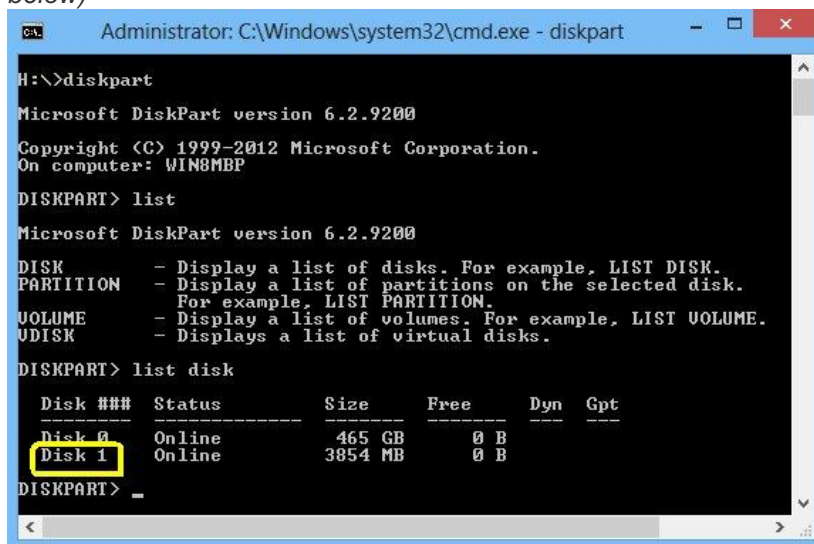
1. Download or get your copy of Windows 8 Enterprise
2. If you have this is ISO format (if you downloaded from MSDN for example) use WinRAR to uncompress the Windows 8 Enterprise ISO file.
3. Browse the uncompressed Windows 8 Enterprise files going to the **\sources\** folder, extract the **install.wim** file that it should be in there.

Copy both the **imagex.exe** and the **install.wim** files to a separate directory.

### USB To Go Creation Phase:

## Step 1. Configure your USB drive:

1. Open a Command Prompt (*in Administrator Mode*)
2. Run the following Commands allow each to finish before proceeding to the next:
  - a. **DISKPART**
  - b. **LIST DISK** (*Note down the Disk number of your USB Device, ie: Disk 1 in my example below*)



```
Administrator: C:\Windows\system32\cmd.exe - diskpart
H:\>diskpart
Microsoft DiskPart version 6.2.9200
Copyright (C) 1999-2012 Microsoft Corporation.
On computer: WIN8MBP
DISKPART> list
Microsoft DiskPart version 6.2.9200
DISK
PARTITION - Display a list of disks. For example, LIST DISK.
            - Display a list of partitions on the selected disk.
            For example, LIST PARTITION.
VOLUME     - Display a list of volumes. For example, LIST VOLUME.
UDISK      - Displays a list of virtual disks.
DISKPART> list disk
   Disk ###  Status   Size      Free      Dyn  Gpt
   -----  -
   Disk 0    Online   465 GB    0 B
   Disk 1    Online   3854 MB   0 B
DISKPART> -
```

- c. **SELECT DISK 1** (*Replace 1 with the number of your USB Device from the step before*)
- d. **CLEAN**
- e. **CREATE PARTITION PRIMARY**
- f. **SELECT PARTITION 1**
- g. **ACTIVE**
- h. **FORMAT FS=NTFS QUICK** (*Format process may take few seconds, longer if you opt to do a full format by leaving off the 'QUICK' option*)
- i. **ASSIGN**
- j. **EXIT**

## Step 2. Install Windows 8 Enterprise onto the USB:

1. Open a Command Prompt (*in Administrator Mode*)
2. Browse to the folder that has the **imagex.exe** and now the **install.wim**
3. Run the following command: **imagex.exe /apply install.wim 1 D:\** (*Replace D with your USB drive letter*)
4. This write process will take a bit of time, progress is displayed.
5. Once the write process has completed configure the boot record in the Windows To Go USB drive. Type the following command: **bcdboot.exe D:\windows /s D: /f ALL** (*Replace D with your USB drive letter*)

Volia!

Now you should be able to boot to your external Windows 8 Enterprise USB To Go device and complete your installation. Some helpful hints on how to configure the traditional desktop Start Button etc available at [Windows 8 Desktop Prioritisation Guide](#)