

How to use WinPE to install Win10 IOT Core



bridge
the gap

Revision:	01 D2	
Update Date:	27 November 2019	
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Revision History

The following table contains the information regarding the history and revisions of this living document.

Version	Date	Contributor	Changes Description

Document Attributes

The following table contains the list of files that are associated with this living document.

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1. Create a bootable WinPE USB drive

1.1 Download and Install the Windows ADK as below link.

<https://docs.microsoft.com/en-us/windows-hardware/manufacture/desktop/download-winpe--windows-pe#download-and-install-the-windows-adk>

Download and Install the Windows ADK

For the ADK for Windows 10, version 1809

To start working with WinPE, download and install both the Windows Assessment and Deployment Kit (ADK) and the WinPE Add-ons.

[Download the Windows ADK for Windows 10, version 1809](#)

During installation, select **Deployment Tools**.

[Download the Windows PE add-on for the ADK](#)

1.2 Create bootable WinPE media.

Step 1: Start the Deployment and Imaging Tools Environment as an administrator.

Step 2: Run copype to create a working copy of the Windows PE files. you can key command: `copype amd64 C:\WinPE_amd64`

1.3 Create a bootable WinPE USB drive

Step 1: Attach a USB driver to your PC

Step 2: Start the Deployment and Imaging Tools Environment as an administrator.

Step 3: Use MakeWinPEMedia with the /UFD option to format and install Windows PE to the USB flash drive, specifying the USB key's drive letter, If you want to install WinPE on **partition p**, you can key command:

`MakeWinPEMedia /UFD C:\WinPE_amd64 P:`

2. Use WinPE to install Win 10 IOT Core

2.1 How to boot from WinPE USB stick

2.1.1 When you start up, press F7 to enter partition of your choice. You need to choose the partition where WinPE is located. Press enter to enter WinPE.

2.2 Check all the disk

2.2.1 Key-in command after **diskpart: list disk**(mind the space) to check all the disk. Memorize the disk you are going to install. Key-in exit after memorization to exit.

2.3 Find your installation file

2.3.1 If your installation file flash.ffu of Win10 IOT Core is in E Drive, key-in command below to switch:

E:

2.4 Install

2.4.1 After switching to the partition where installation file belongs, key-in command below to install. Reboot to enter Win10 IOT Core after installation.

```
dism.exe /Apply-Image /ImageFile:"flash.ffu" /SkipPlatformCheck  
/ApplyDrive:\\.\\PhysicalDriveN
```

Remark: (1) the path of imagefile must be where your file is located. (2) n changed to 0 means disk0 installed in list disk.

3. Installation successful

You have successfully installed if image below is shown.

