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# 8 Vulkan Basics

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## How to check if your computer supports Vulkan?

- Make sure your graphics driver is up to date.
- Use [GPU Caps Viewer](#) to check if your computer supports Vulkan.

## Where to find books and tutorials on Vulkan?

- The official [Vulkan web site](#).
- The Khronos Group's YouTube channel has many [video tutorials](#) on Vulkan.
- [Books on Vulkan](#)
- There are samples and tutorials in [Vulkan SDK](#)
- Here is [a list of Vulkan tutorials](#), particularly [this one](#).
- You can find Vulkan specifications and Vulkan man page at [Lunar XChange](#) web site.
- [Getting started with Vulkan](#).
- [Vulkan 101](#) (video and slides)

## How to install Vulkan SDK?

- Before installing Vulkan SDK, you need to install Python, CMake, and Visual Studio (2015 or newer).
  - Install Python before CMake.
  - When you install CMake, make sure CMake is on the PATH system variable (the default is not). You can manually add CMake to the PATH system variable if it is not included.
  - Make sure MSBuild is on the PATH system variable. For Visual Studio 2017, MSBuild.exe is usually at C:\Program Files (x86)\Microsoft Visual Studio\2017\Enterprise\MSBuild\15.0\Bin\MSBuild. For Visual Studio 2015, MSBuild.exe is usually at C:\Program Files (x86)\MSBuild\14.0\Bin.
- Download and install [Vulkan SDK](#).
- Follow [the instructions](#) to build the demos and samples that come with the Vulkan SDK.
  - You may run the batch file c:\VulkanSDK\1.0.68.0\Samples\build\_windows\_sam

- (from a command window) to build the samples.
- Once you have the samples built and running, you can open the tutorial page at C:\VulkanSDK\1.0.68.0\Samples\Tutorial.html or you can find the [tutorial online](#).

## 评论

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