edk2-vUDK2018环境搭建

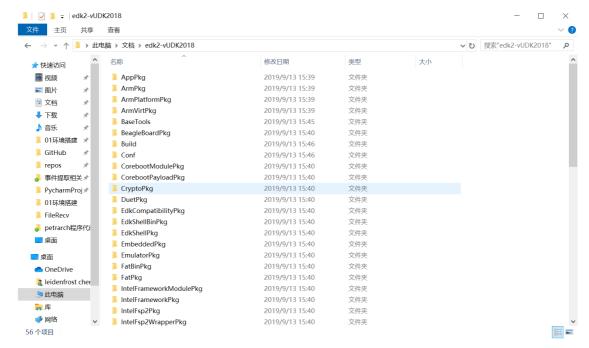
环境所需

- 1. Microsoft Visual Studio 2017
- 2. NASM 2.12.01
- 3. Python2.7
- 4. Openssl

安装步骤

1. 下载UDK2018 release源码,并解压到任一文件夹

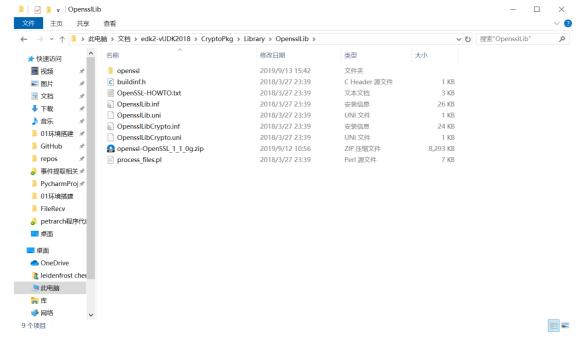
下载地址 https://github.com/tianocore/edk2/archive/vUDK2018.zip



2. 生成OpenSSL 加密库

下载地址: https://github.com/openssl/openssl/archive/OpenSSL 1 1 0g.zip

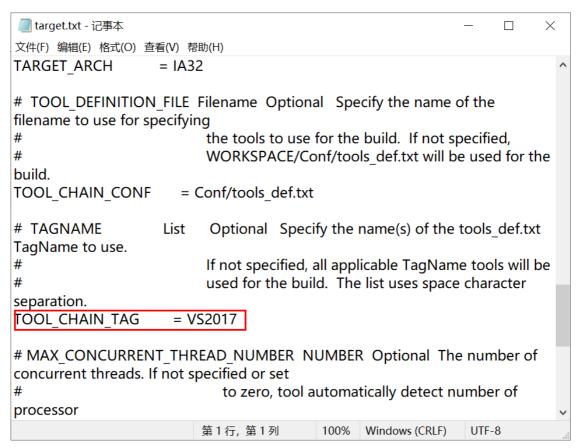
下载文件为一个压缩包,解压完成后将解压得到的文件夹放入CryptoPkg\Library\OpensslLib,并且重命名为openssl



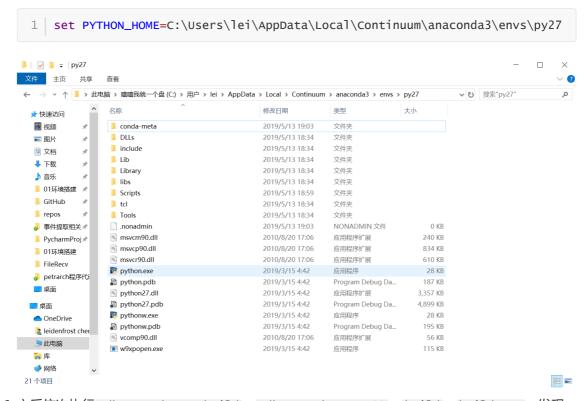
3. 预搭建base tools。从<u>https://github.com/tianocore/edk2-BaseTools-win32</u> 并解压到 BaseTools\Bin,重命名为Win32



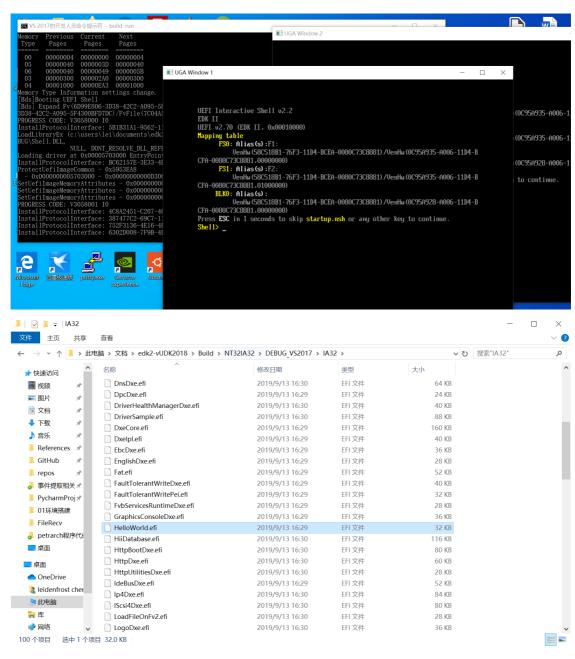
4. 运行edksetup.sh,之后修在Conf目录下的target.txt。把TOOL_CHAIN_TAG的值修改为VS2017



5. 打开VS2017控制台窗口,因为我电脑本身默认Python版本是3,所以我使用虚拟环境搭建了一个 Python2.7的环境。执行命令前重新指定Python环境



6. 之后依次执行 edksetup.bat rebuild, edksetup.bat --nt32, build, build run。发现如下弹窗,并在Build\NT32IA32\DEBUG_VS2017\IA32下发现文件 Helloworld.elf 文件即为编译成功



参考资料

- 1. https://github.com/tianocore/tianocore.github.io/wiki/UDK2018-How-to-Build#how-to-build-windows-system
- 2. https://blog.csdn.net/qq 39155263/article/details/82965744