

Instructions of EdgeLink Development Environment

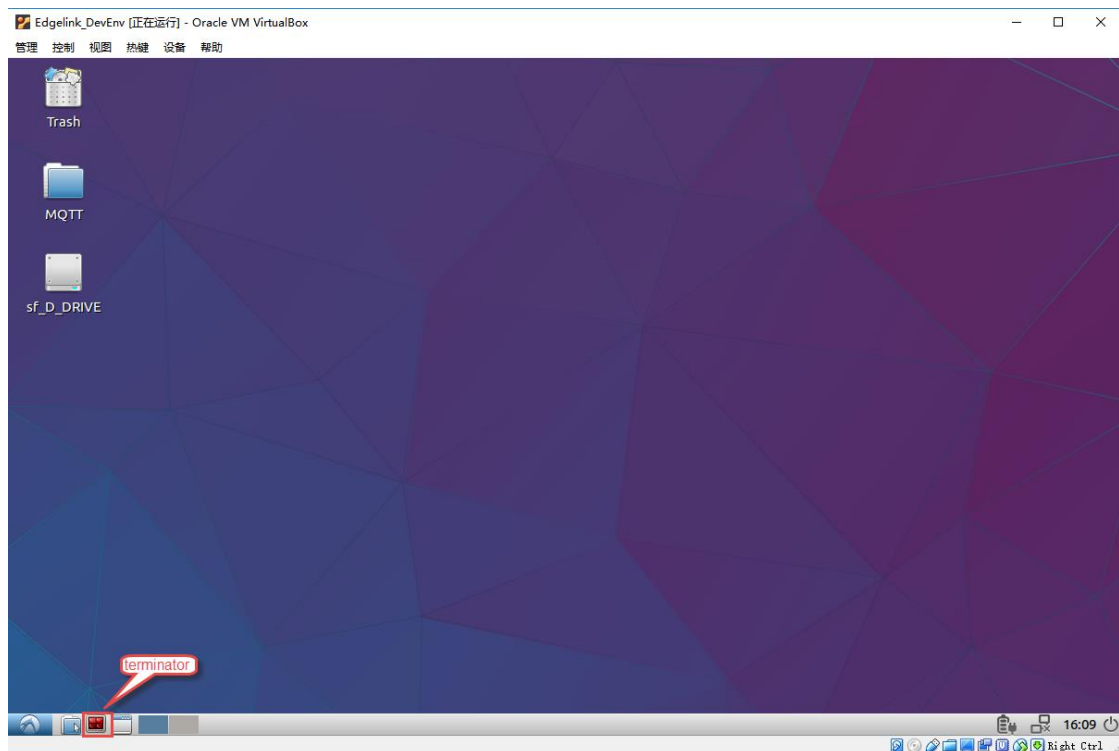
1. Install Virtualbox
2. Download the compressed files from Advantech official website.



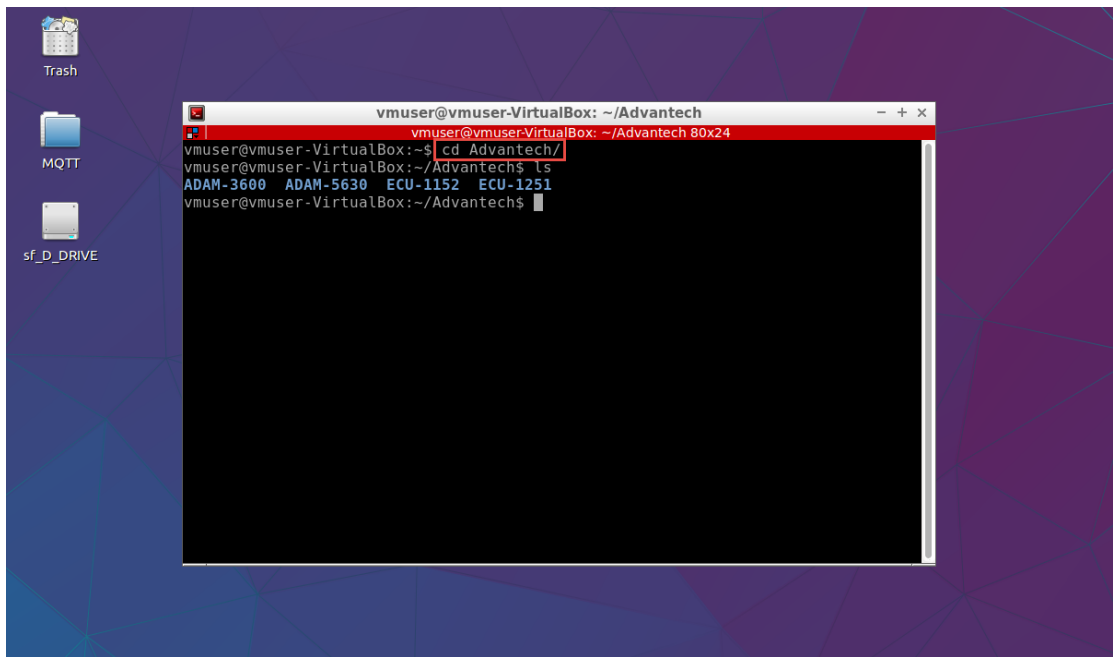
3. Unzip the file “Edgelink_DevEnv.zip”.
4. Use could get these files after decompressing.

名称	修改日期	类型	大小
Logs	2018/10/11 15:37	文件夹	
Edgelink_DevEnv.vbox	2018/10/11 15:47	VirtualBox Mach...	6 KB
Edgelink_DevEnv.vbox-prev	2018/10/11 15:47	VBOX-PREV 文件	6 KB
Edgelink_DevEnv.vdi	2018/10/11 15:47	Virtual Disk Ima...	11,428,86...

5. Double click Edgelink_DevEnv.vbox to open a terminal and enter virtual machine.



6. Enter command “cd Advantech” to the SDK directory.

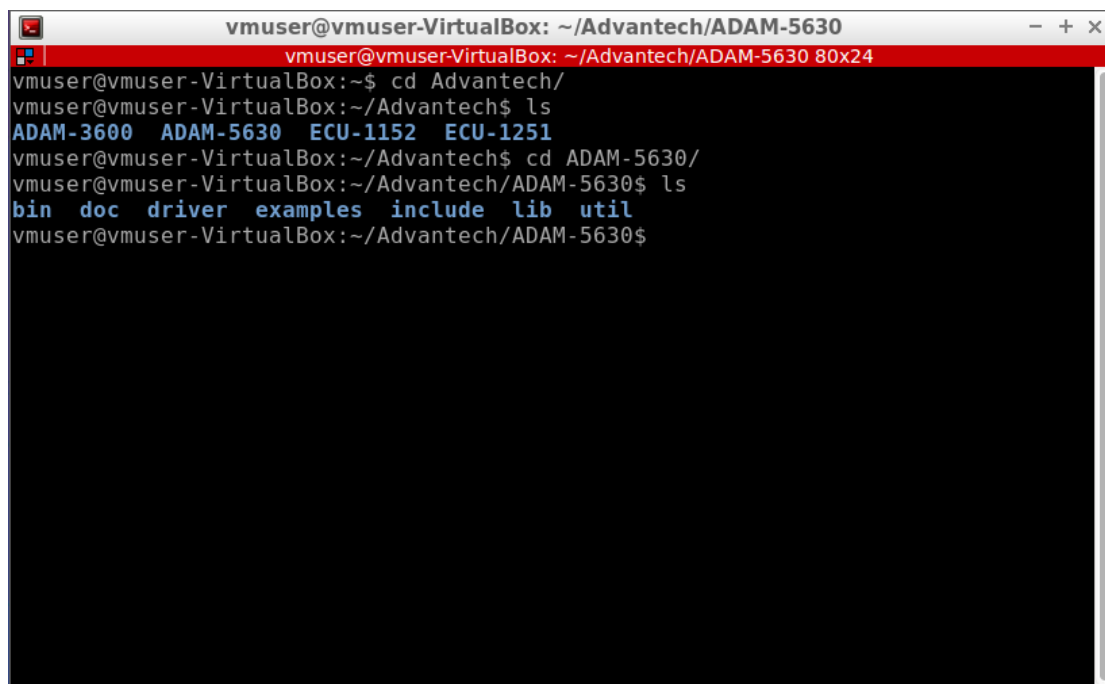


The guidance of files path

In /home/vmuser/Advantech directory, we save the SDK and examples for each type of devices.

1. ADAM-5630
2. ADAM-3600
3. ECU-1251
4. ECU-1152

Take ADAM-5630 file as an example.



```
vmuser@vmuser-VirtualBox: ~/Advantech/ADAM-5630
vmuser@vmuser-VirtualBox: ~/Advantech/ADAM-5630 80x24
vmuser@vmuser-VirtualBox:~$ cd Advantech/
vmuser@vmuser-VirtualBox:~/Advantech$ ls
ADAM-3600 ADAM-5630 ECU-1152 ECU-1251
vmuser@vmuser-VirtualBox:~/Advantech$ cd ADAM-5630/
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630$ ls
bin doc driver examples include lib util
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630$
```

In “doc” directory, user could find SDK explanation documents.

In “examples” directory, user could find example codes.

In “util” directory, there are some executable tools in ADAM-5630.

```

vmuser@vmuser-VirtualBox: ~/Advantech/ADAM-5630/examples/AdamIO
vmuser@vmuser-VirtualBox: ~/Advantech/ADAM-5630/examples/AdamIO 80x24
vmuser@vmuser-VirtualBox:~$ cd Advantech/
vmuser@vmuser-VirtualBox:~/Advantech$ ls
ADAM-3600 ADAM-5630 ECU-1152 ECU-1251
vmuser@vmuser-VirtualBox:~/Advantech$ cd ADAM-5630/
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630$ ls
bin doc driver examples include lib util
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630$ cd examples/
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples$ ls
AdamIO BoardResource
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples$ cd AdamIO/
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples/AdamIO$ ls
Adam5024 Adam5081 Adamdi AIIntgration Makefile
Adam5080 AdamAIread Adamdo GetSlotInfo
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples/AdamIO$

```

In “AdamIO” directory, enter “make” to compile all related examples.

```

vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples/AdamIO$ make
make[1]: Entering directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/AdamAIread'
arm-linux-gnueabi-g++ -o AdamAIread -g AdamAIread.cpp -lbio5630io -L../../../../lib
make[1]: Leaving directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/AdamAIread'
make[1]: Entering directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/AIIntgration'
arm-linux-gnueabi-g++ -o AIIntgrationTime -g AIIntgrationTime.cpp -lbio5630io -L../../../../lib
make[1]: Leaving directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/AIIntgration'
make[1]: Entering directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adam5024'
arm-linux-gnueabi-g++ -o A0_5024 -g Adam5024.cpp -lbio5630io -L../../../../lib
make[1]: Leaving directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adam5024'
make[1]: Entering directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adam5080'
arm-linux-gnueabi-g++ -o Adam5080 -g Adam5080.cpp -lbio5630io -L../../../../lib
make[1]: Leaving directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adam5080'
make[1]: Entering directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adam5081'
arm-linux-gnueabi-g++ -o Adam5081 -g Adam5081.cpp -lbio5630io -L../../../../lib
make[1]: Leaving directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adam5081'
make[1]: Entering directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adamdi'
arm-linux-gnueabi-g++ -o Adamdi -g Adamdi.cpp -lbio5630io -L../../../../lib
make[1]: Leaving directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adamdi'
make[1]: Entering directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adamdo'
arm-linux-gnueabi-g++ -o Adamdo -g Adamdo.cpp -lbio5630io -L../../../../lib
make[1]: Leaving directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/Adamdo'
make[1]: Entering directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/GetSlotInfo'
arm-linux-gnueabi-g++ -o GetSlotInfo -g GetSlotInfo.cpp -lbio5630io -L../../../../lib
make[1]: Leaving directory '/home/vmuser/Advantech/ADAM-5630/examples/AdamIO/GetSlotInfo'
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples/AdamIO$

```

In the similar way, in “BoardResource” directory, enter “make” to compile related examples.

```

vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples/AdamIO$ cd ../BoardResource/
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples/BoardResource$ ls
ledtest.c Makefile nodeidtest.c wdtttest.c
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples/BoardResource$ make
Compiling: ledtest
Compiling: nodeidtest
Compiling: wdtttest
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples/BoardResource$ ls
ledtest.c Makefile nodeidtest.c output wdtttest.c
vmuser@vmuser-VirtualBox:~/Advantech/ADAM-5630/examples/BoardResource$

```

The password of “vmuser” is “advantech” if needed.