1. 安装HIP
2. vi ~/.bashrc

export PATH=/home/ly/HIP/hip/bin:$PATH

export HIP\_PATH=/home/ly/HIP/hip

export HIP\_PLATFORM=nvcc

export PLATFORM=nvcc

source ~/.bashrc

1. git clone <https://github.com/ROCm-Developer-Tools/HIP.git>

cd HIP

mkdir build

cd build

cmake -DCMAKE\_INSTALL\_PREFIX=/home/ly/HIP/hip -DCMAKE\_BUILD\_TYPE=Release ..

make

make install

source ~/.bashrc

hipconfig 进行验证，或者下载HIP-examples进行测试

1. 安装hipBLAS
2. git clone <https://github.com/ROCmSoftwarePlatform/hipBLAS.git>
3. cd hipBLAS
4. 修改CMakeLists.txt如下：

22行： list( APPEND CMAKE\_MODULE\_PATH ${CMAKE\_CURRENT\_SOURCE\_DIR}/cmake /home/ly/HIP/hip/cmake )

27&30行：将clang和clang++换成gcc以及g++

34$35行：set( CPACK\_PACKAGING\_INSTALL\_PREFIX "/home/ly/HIP/hipblas" CACHE STRING "Directory for packages")

set( CMAKE\_PREFIX\_PATH "/home/ly/HIP/rocblas" CACHE STRING "Directory to find rocBLAS")

130行：加#注释掉，因为后面的—amdgpu参数是跟hcc相关的

1. mkdir build & cd build & cmake .. & make & cd library-build & make install

安装完成后的动态库文件在build下的library-package文件夹中。

1. 安装hcBLAS
2. git clone <https://github.com/ROCmSoftwarePlatform/hcBLAS.git>
3. cd hcBLAS
4. 修改CMkaeLists.txt前几行如下：

# HIP\_PATH

IF(NOT DEFINED $ENV{HIP\_PATH})

SET(HIP\_PATH "/home/ly/HIP/hip")

ELSE()

SET(HIP\_PATH $ENV{HIP\_PATH})

ENDIF()

add\_definitions(-D\_\_HIP\_PLATFORM\_NVCC\_\_)

include\_directories(${HIP\_PATH}/include)

1. mkdir build & cd build
2. cmake .. -DCMAKE\_INSTALL\_PREFIX=/home/ly/HIP/hcblas -DCPACK\_PACKAGING\_INSTALL\_PREFIX=/home/ly/HIP/hcblas -DCMAKE\_BUILD\_TYPE=release
3. make & make install