## **Debug Alpha**

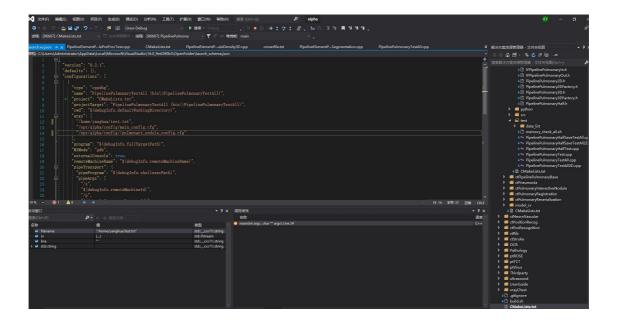
• 修改CMakeLists.txt编译模式为Debug

```
#g++ configuration in linux
#set(CMAKE_BUILD_TYPE Release)
set(CMAKE_BUILD_TYPE Debug)
```

• 配置选项选择 Linux-Debug, 编译

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• 选择对应启动项,并完成参数配置



## **Debug Alpha-acl**

• 运行环境

```
version: '2.4'
services:
 yanghua_alpha_api:
    image: harbor.do.proxima-ai.com/alpha/alpha-deploy:1.3
    restart: always
    env_file:
      - alpha.env
    environment:
      - LANG=C.UTF-8
      - ENV=RUN
    ports:
      - "30052:22"
      - "30053:8088"
    security_opt:
      - seccomp:unconfined
    container_name: yanghua-alpha-prod
    volumes:
      - /data:/data
      - /fileser:/fileser
      - /ssd:/ssd
      - /ssd2:/ssd2
      - /home:/home
      - /etc/localtime:/etc/localtime:ro
      - ../third/lib:/opt/third/lib
      - ../third/include:/opt/third/include
      - ../alpha:/opt/alpha
      - ../acl:/opt/acl
      - ../install:/opt/alpha/install
      - ./:/opt/alpha/run
      - ../test_case:/opt/alpha/test_case
      - ../bad_case:/opt/alpha/bad_case
/opt/ringV2/deploy/static/cornerstone:/data/ring/deploy/static/cornerstone
```

```
network_mode:
bridge
shm_size: 48G
```

- 依赖项
  - o Alpha
    - 【已默认实现】使用CPack打包(抽取头文件和库文件)
      - 1. 在根目录CMakeLists.txt的底部添加几行代码

```
include (InstallRequiredSystemLibraries)
set (CPACK_RESOURCE_FILE_LICENSE
"${CMAKE_CURRENT_SOURCE_DIR}/License.txt")
set (CPACK_PACKAGE_VERSION_MAJOR "${VERSION_INFO_MAJOR}")
set (CPACK_PACKAGE_VERSION_MINOR "${VERSION_INFO_MAJOR}")
include (CPack)
```

2. 在各自项目中添加要打包的文件,以common项目中的CommonUtils模块为例,在 "Alpha\common\utils\CMakelist.txt" 末尾添加如下代码

```
install (TARGETS CommonUtils DESTINATION bin)
install (FILES ${CMAKE_CURRENT_SOURCE_DIR}/inc/CommonUtils.h
DESTINATION include/common)
```

■ 在docker镜像内任意目录拉取Alpha仓库,并执行 sh ./build.sh , 在 build目录生成如下 产物

■ 在build目录,执行如下命令生成打包文件: ALPHA-xxx-Linux.sh, ALPHA-xxx-Linux.tar.gz, ALPHA-xxx-Linux.tar.z

```
cpack -C CPackConfig.cmake
```

■ 执行如下命令,解压生成ALPHA-xxx-Linux目录,提取头文件和库文件

```
sh ./ALPHA-5.5.1-Linux.sh
```

■ 将bin, config, include, lib, model文件夹下内容拷贝到/opt/alpha对应目录

## o Hemo

- 在镜像内任意目录拉取Hemo仓库,并执行 sh ./build.sh (CMakeLists.txt会将产物拷贝至/opt/alpha对应目录)
- 修改CMakeLists.txt编译模式为Debug

```
#g++ configuration in linux
#set(CMAKE_BUILD_TYPE Release)
set(CMAKE_BUILD_TYPE Debug)
```

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• 选择对应启动项,并完成参数配置

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