

按[wiki 网页]搭建完docker环境后，编译验证

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PublicDocs

亿智系列

sv810

亿智通用文档

全志系列

a40i

a133_a133p

t3

t52x-a52x

t113-i

t113-s3

t507

t509

t536

全志通用文档

恩智浦系列

imx6q

imx8mm

版本记录

镜像名称	版本变更说明	修改人
rp-dev-docker-ubuntu1804-v1.0-20240416.tar	初始版本	lixin
rp-dev-docker-ubuntu2004-v1.0-20240708.tar		

已验证过的SDK

Docker Ubuntu1804镜像已编译验证SDK 版本

	SoC	SDK	状态
全志	A40i	A40i-android7.1	x
		A40i-linux-v1.3	x
	A133P	A133p-andriod10.0	√
	T52x-A52X	T52x-A52x-android13.0	√
	T3	T3-linux	x
	T113-i、T113-S3	T113-i-linux	√
	T507	T507-android10.0-v2	√
		t507-linux	√
	T509	t509-android10.0	√

版本记录

已验证过的SDK

Docker Ubuntu1804镜像已编译验证SDK 版本

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proguard 报错及解决方法

字符编码错误

海思平台sdk编译常见问题

linux5.10内核以及linux 6.10 内核s...

测试sdk包名称

```
rpdkj@rpdkj:/home/SDK_DIR/rk/honmeng$ ls -al
total 8573268
drwxr-xr-x 23 rpdkj rpdkj 4096 Oct 17 09:56 .
drwxr-xr-x 5 rpdkj rpdkj 4096 Oct 17 09:05 ..
drwxrwxr-x 8 rpdkj rpdkj 4096 Oct 17 09:44 .git
-rw-rw-r-- 1 rpdkj rpdkj 5099 Oct 17 09:32 .gitignore
lrwxrwxrwx 1 rpdkj rpdkj 24 Oct 17 09:32 .gn -> build/core/gn/dotfile.gn
-rwxr--r-- 1 rpdkj rpdkj 60 Jan 3 2024 OpenHarmony-4.0-Beta2-20240103.md5
-rwxr--r-- 1 rpdkj rpdkj 8778904417 Jan 3 2024 OpenHarmony-4.0-Beta2-20240103.tgz
drwxrwxr-x 4 rpdkj rpdkj 4096 Oct 17 09:32 applications
drwxrwxr-x 6 rpdkj rpdkj 4096 Oct 17 09:32 arkcompiler
drwxrwxr-x 24 rpdkj rpdkj 4096 Oct 17 09:32 base
drwxrwxr-x 19 rpdkj rpdkj 4096 Oct 17 09:56 build
lrwxrwxrwx 1 rpdkj rpdkj 28 Oct 17 09:32 build.py -> build/build_scripts/build.py
lrwxrwxrwx 1 rpdkj rpdkj 28 Oct 17 09:32 build.sh -> build/build_scripts/build.sh
drwxrwxr-x 7 rpdkj rpdkj 4096 Oct 17 09:32 commonlibrary
drwxrwxr-x 14 rpdkj rpdkj 4096 Oct 17 09:32 developeptools
drwxrwxr-x 5 rpdkj rpdkj 4096 Oct 17 09:33 device
drwxrwxr-x 5 rpdkj rpdkj 4096 Oct 17 09:34 docs
drwxrwxr-x 7 rpdkj rpdkj 4096 Oct 17 09:34 drivers
drwxrwxr-x 18 rpdkj rpdkj 4096 Oct 17 09:34 foundation
drwxrwxr-x 3 rpdkj rpdkj 4096 Oct 17 09:34 ide
drwxrwxr-x 3 rpdkj rpdkj 4096 Oct 17 09:34 interface
drwxrwxr-x 6 rpdkj rpdkj 4096 Oct 17 09:35 kernel
drwxrwxr-x 11 rpdkj rpdkj 4096 Oct 17 09:35 napi_generator
-rwxrwxr-x 1 rpdkj rpdkj 811 Oct 17 10:42 ohos_config.json
drwxrwxr-x 9 rpdkj rpdkj 4096 Oct 17 10:46 out
drwxrwxr-x 11 rpdkj rpdkj 4096 Oct 17 09:39 prebuilts
drwxrwxr-x 3 rpdkj rpdkj 4096 Oct 17 09:40 productdefine
lrwxrwxrwx 1 rpdkj rpdkj 28 Oct 17 09:40 qemu-run -> vendor/ohemu/common/qemu-run
-rw-r--r-- 1 rpdkj sudo 63 Oct 17 09:56 set_env.sh
drwxrwxr-x 5 rpdkj rpdkj 4096 Oct 17 09:40 test
drwxrwxr-x 120 rpdkj rpdkj 4096 Oct 17 09:44 third_party
drwxrwxr-x 21 rpdkj rpdkj 4096 Oct 17 09:44 vendor
rpdkj@rpdkj:/home/SDK_DIR/rk/honmeng$
```

docker中文件系统

```
rpdkj@rpdkj:/home/SDK_DIR/rk/honmeng/out/rk3568/packages/phone/images$ cat /etc/issue
Ubuntu 20.04.6 LTS \n \l

rpdkj@rpdkj:/home/SDK_DIR/rk/honmeng/out/rk3568/packages/phone/images$
```

具体在docker 中执行命令 (编译以及确认文件是否正常构建)

sdk解压的目录可以自行指定这边的 rk/honmeng 仅是示例

```

rpdzkj@rpdzkj:/home/SDK_DIR/rk/honmeng/out/rk3568/packages/phone/images$ history
 1 cd rk/honmeng/
 2 ls
 3 ./build.sh init
 4 ./build.sh -p rk3568
 5 ls
 6 cd out/rk3568/packages/phone/images//
 7 ls -al
 8 history
rpdzkj@rpdzkj:/home/SDK_DIR/rk/honmeng/out/rk3568/packages/phone/images$ █

```

正常编译完打印

```

++ date +%Y%m%d-%H%M%S
+ TIME=20251017-125722
+ rm -rf 'out/rk3568/packages/phone/images//update-*'
+ mv developtools/Linux_Pack_Firmware/rockdev/update.img out/rk3568/packages/phone/images//update-pro-rk3568-OpenHarmony-4.0-Beta2-mipi0-10-1920-1200-20251017-125722.img -f
+ '[' 0 -eq 0 ']'
+ echo 'MV update image ok!'
MV update image ok!
+ rm developtools/Linux_Pack_Firmware/rockdev/Image -rf
+ echo -e '\033[32m====build successful====\033[0m'
====build successful====
+ date +%F %H:%M:%S
2025-10-17 12:57:23
+ echo ++++++
+++++
rpdzkj@rpdzkj:/home/SDK_DIR/rk/honmeng$ ls
OpenHarmony-4.0-Beta2-20240103.md5  arkcompiler  build.py      developtools  drivers      interface    ohos_config.json  productdefine  test
OpenHarmony-4.0-Beta2-20240103.tgz  base         build.sh      device        foundation   kernel       out              qemu-run       third_party
applications                       build        commonlibrary docs           ide          napi_generator  prebuilts        set_env.sh      vendor
rpdzkj@rpdzkj:/home/SDK_DIR/rk/honmeng$ cd out/rk3568/packages/phone/images//
rpdzkj@rpdzkj:/home/SDK_DIR/rk/honmeng/out/rk3568/packages/phone/images$ ls -al
total 3487588
drwxr-xr-x  2 rpdzkj sudo   4096 Oct 17 12:57 .
drwxr-xr-x 15 rpdzkj sudo   4096 Oct 17 12:57 ..
-rwxr-xr-x  1 rpdzkj sudo   457152 Oct 17 11:12 MiniloaderAll.bin
-rw-r--r--  1 rpdzkj sudo   67108864 Oct 17 11:12 boot_linux.img
-rw-r--r--  1 rpdzkj sudo   52428800 Oct 17 12:55 chip_prod.img
-rwxr-xr-x  1 rpdzkj sudo    8569 Oct 17 11:12 config.cfg
-rw-r--r--  1 rpdzkj sudo   12582912 Oct 17 12:55 eng_system.img
-rwxr-xr-x  1 rpdzkj sudo     755 Oct 17 11:12 parameter.txt
-rw-rw-r--  1 rpdzkj sudo   2360931 Oct 17 12:55 ramdisk.img
-rw-r--r--  1 rpdzkj sudo   138752 Oct 17 11:12 resource.img
-rw-r--r--  1 rpdzkj sudo   52428800 Oct 17 12:55 sys_prod.img
-rw-r--r--  1 rpdzkj sudo  1610608640 Oct 17 12:56 system.img
-rwxr-xr-x  1 rpdzkj sudo   4194304 Oct 17 11:12 uboot.img
-rw-r--r--  1 rpdzkj sudo   2706958922 Oct 17 12:57 update-pro-rk3568-OpenHarmony-4.0-Beta2-mipi0-10-1920-1200-20251017-125722.img
-rw-rw-r--  1 rpdzkj sudo   14993724 Oct 17 12:55 updater.img
-rw-r--r--  1 rpdzkj sudo   738197584 Oct 17 12:55 userdata.img
-rw-r--r--  1 rpdzkj sudo   268431360 Oct 17 12:55 vendor.img
rpdzkj@rpdzkj:/home/SDK_DIR/rk/honmeng/out/rk3568/packages/phone/images$ █

```