

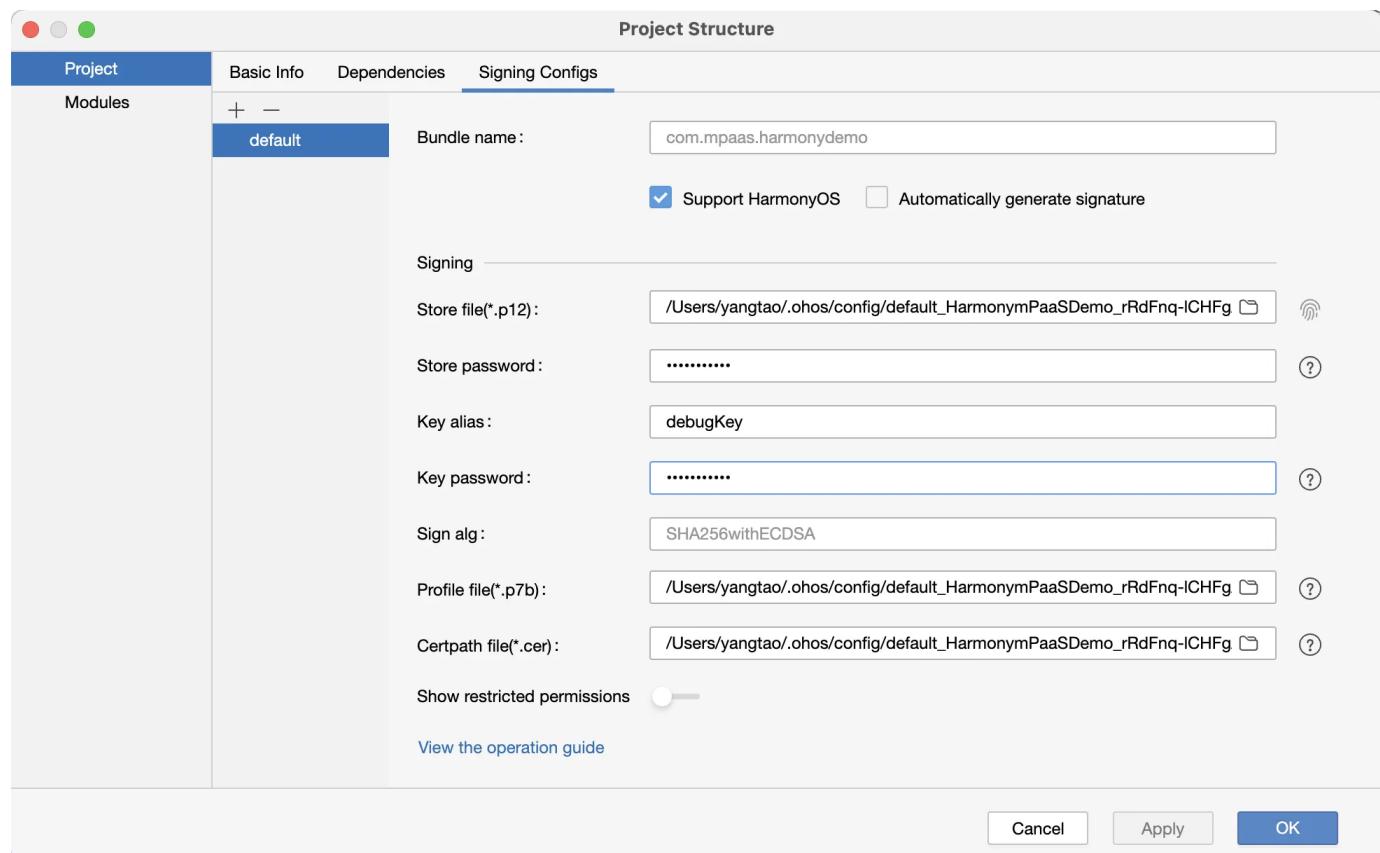
# 鸿蒙开发阶段如何统一签名证书

由于鸿蒙本身的限制，在开发阶段多人多设备使用同一个签名证书相对来说比较复杂，需要先生成签名证书请求文件，然后把请求文件提交AppGallery Connect申请调试证书，才能多人多设备使用同一个签名证书，harmony官网证书申请及配置流程具体链接参考如下：

<https://developer.huawei.com/consumer/cn/doc/harmonyos-guides-V5/ide-signing-V5>

为了避免这种限制，我们可以尝试如下操作，使用自动生成的签名证书，然后拖到工程里，在build-profile.json里把signingConfigs的配置写死即可，具体操作流程如下：

## 1、自动生成签名



## 2、找到signingconfig配置的文件路径，然后打开

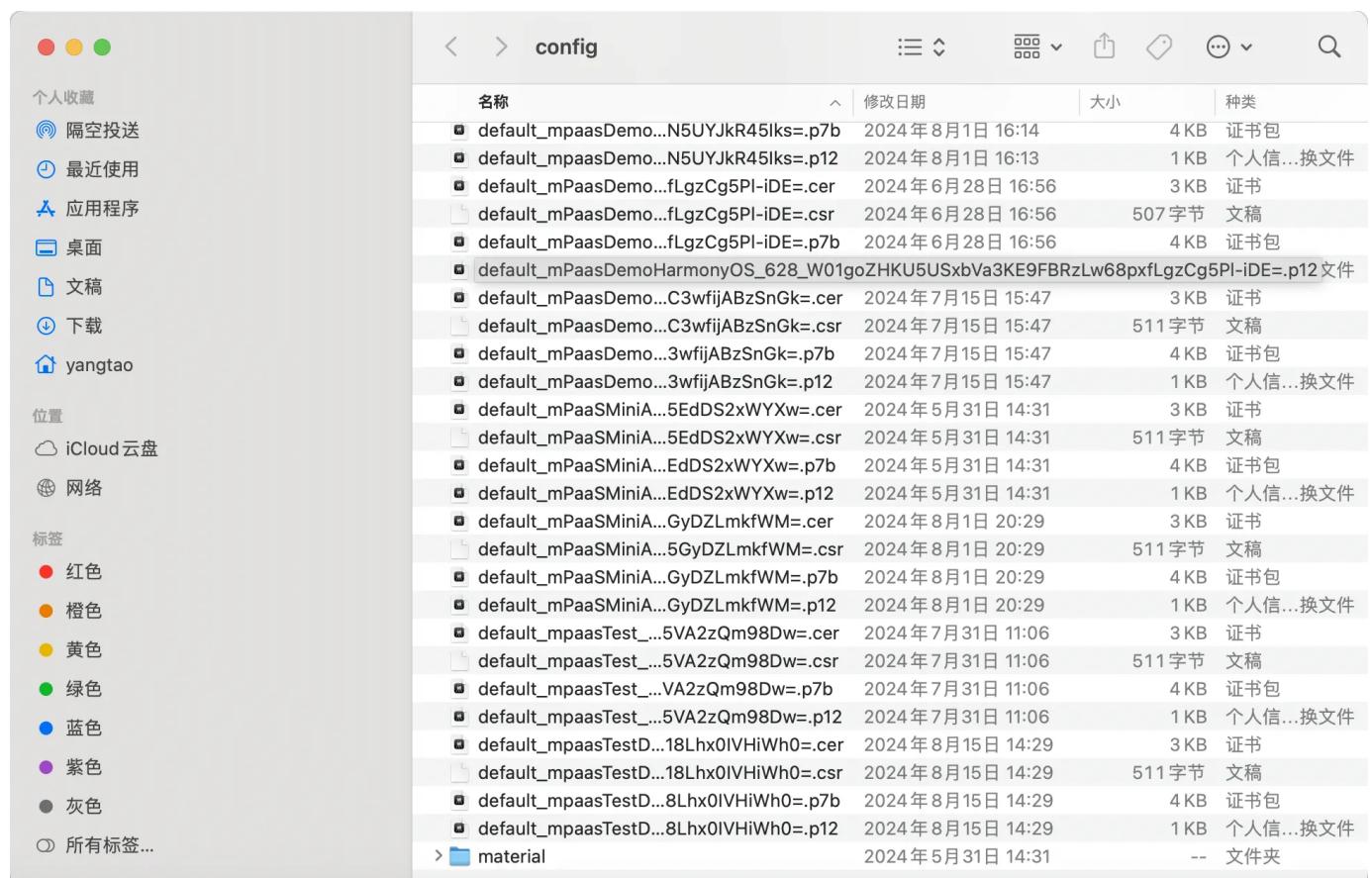
HarmonyPaaSDemo - build-profile.json5 [HarmonyPaaSDemo]

```

{
  "name": "release"
},
"signingConfigs": [
  {
    "name": "default",
    "type": "HarmonyOS",
    "material": {
      "certpath": "/Users/yangtao/.ohos/config/default_HarmonyPaaSDemo_rRdFnq-lCHFgA43DEXVKICjGALf7rRZVcNzBnWn9ak=.cer",
      "storePassword": "0000001BC33EDAC27FD519E537C96B9CCC8471E413CA9108C112B8C7278F4A8751BF2AD8778370857BAF2B",
      "keyAlias": "debugKey",
      "keyPassword": "0000001B2B46C95C53648179BF1D4B30A6E6DEC4EA68B639C5EBC3FF235437CF0F3F199931AC9EC94BECCD",
      "profile": "/Users/yangtao/.ohos/config/default_HarmonyPaaSDemo_rRdFnq-lCHFgA43DEXVKICjGALf7rRZVcNzBnWn9ak=.p7b",
      "signAlg": "SHA256withECDSA",
      "storeFile": "/Users/yangtao/.ohos/config/default_HarmonyPaaSDemo_rRdFnq-lCHFgA43DEXVKICjGALf7rRZVcNzBnWn9ak=.p1"
    }
  }
],
"modules": [
  {
    "name": "entry",
    "srcPath": "./entry",
    "targets": [
      ...
    ]
  }
]
}

```

3、打开后，应该如下图，由于我本地创建了多个签名证书，所以会比较多



4、在代码工程创建keystore，然后将上图文件全部复制到此目录下

HarmonyPaaSDemo – build-profile.json5 [HarmonyPaaSDemo]

```

{
  "name": "release",
  "signingConfigs": [
    {
      "name": "default",
      "type": "HarmonyOS",
      "material": {
        "certpath": "/Users/yangtao/.ohos/config/default_HarmonyPaaSDemo_rRdFnq-lCHFgA43DEXVKICjGALf7rRZVcNzBnWn9ak=.cer",
        "storePassword": "0000001BC33EDAC27FD519E537C96B9CCC8471E413CA9108C112B8C727BF4A8751BF2A",
        "keyAlias": "debugKey",
        "keyPassword": "0000001B2B46C95C53648179BF1D4B30A6E6DEC4EA68B639C5EBC3FF235437CF0F3F1999",
        "profile": "/Users/yangtao/.ohos/config/default_HarmonyPaaSDemo_rRdFnq-lCHFgA43DEXVKICjGALf7rRZVcNzBnWn9ak=.p7b",
        "signAlg": "SHA256withECDSA",
        "storeFile": "/Users/yangtao/.ohos/config/default_HarmonyPaaSDemo_rRdFnq-lCHFgA43DEXVKICjGALf7rRZVcNzBnWn9ak=.p12"
      }
    }
  ],
  "modules": [
    {
      "name": "entry",
      "srcPath": "./entry",
      "targets": [
        "app"
      ]
    }
  ]
}

```

Sync project finished in 4 s 559 ms (4 minutes ago)

5、在build-profile.json5中配置签名证书，这里只需要修改带文件名的路径即可，密码和名称不要动，只修改certpath、profile、storeFile路径即可，如下图，原理就是把本地目录换成了工程的目录。以此来保证所有的开发人员使用的证书都是一样的。

HarmonyPaaSDemo – build-profile.json5 [HarmonyPaaSDemo]

```

{
  "name": "release",
  "signingConfigs": [
    {
      "name": "default",
      "type": "HarmonyOS",
      "material": {
        "certpath": "/Users/yangtao/.ohos/config/default_HarmonyPaaSDemo_rRdFnq-lCHFgA43DEXVKICjGALf7rRZVcNzBnWn9ak=.cer",
        "storePassword": "0000001B5B661F0B027761993F4CBB4B0E7A43FAFD864960E13017151456258BA9E5736A294592F29F4B",
        "keyAlias": "debugKey",
        "keyPassword": "0000001BF7CD7DE42BFED1EB861C909EF0D801CB9680DF3A0610D85F143F3B8D8F7B8314672653BD2924E8D",
        "profile": "/Users/yangtao/.ohos/config/default_HarmonyPaaSDemo_rRdFnq-lCHFgA43DEXVKICjGALf7rRZVcNzBnWn9ak=.p7b",
        "signAlg": "SHA256withECDSA",
        "storeFile": "/Users/yangtao/.ohos/config/default_HarmonyPaaSDemo_rRdFnq-lCHFgA43DEXVKICjGALf7rRZVcNzBnWn9ak=.p12"
      }
    }
  ],
  "modules": [
    {
      "name": "entry",
      "srcPath": "./entry",
      "targets": [
        "app"
      ]
    }
  ]
}

```

修改前

Sync project finished in 3 s 118 ms (moments ago)

HarmonyPaaSDemo - build-profile.json5 [HarmonyPaaSDemo]

HarmonyPaaSDemo > keystore

Project

keystore

build-profile.json5

Core configuration attributes have changed since last project sync. A project sync may be necessary for the IDE to work... Sync Now

修改后

```
20     }
21   },
22   "signingConfigs": [
23     {
24       "name": "default",
25       "type": "HarmonyOS",
26       "material": {
27         "certpath": "./keystore/default_HarmonyPaaSDemo_s6d-Gx8d1DoSdWA85R7acsRL_49wH5NJQ2s",
28         "storePassword": "0000001B4F3D23C2A4F42FD089FCDAF816932F28CE917D2F2C7008B242B683922",
29         "keyAlias": "debugKey",
30         "keyPassword": "0000001B08056E596DD0E36C8EE0288796B0764D48827D712A6B788A7FEB33E2CBC",
31         "profile": "./keystore/default_HarmonyPaaSDemo_s6d-Gx8d1DoSdWA85R7acsRL_49wH5NJQ2s",
32         "signAlg": "SHA256withECDSA",
33         "storeFile": "./keystore/default_HarmonyPaaSDemo_s6d-Gx8d1DoSdWA85R7acsRL_49wH5NJQ2s"
34       }
35     }
36   ],
37   "modules": [
38     {
39       "app": "app"
40     }
41   ]
42 }
```

Material

default\_HarmonyPaaSDemo\_s6d-Gx8d1DoSdWA85R7acsRL\_49wH5NJQ2s

default\_HarmonyPaaSDemo\_s6d-Gx8d1DoSdWA85R7acsRL\_49wH5NJQ2s

default\_HarmonyPaaSDemo\_s6d-Gx8d1DoSdWA85R7acsRL\_49wH5NJQ2s

default\_HarmonyPaaSDemo\_s6d-Gx8d1DoSdWA85R7acsRL\_49wH5NJQ2s

sha.txt

mykey

oh\_modules

push

TestModule

.gitignore

.ohpmrc

build-profile.json5

hvirfile.ts

LEGAL.md

Bookmarks

Build: Sync < Build Output <

HarmonyPaaSDemo [Ohpm Install]: > hvigor Finished ::init... after 1 ms

HarmonyPaaSDemo [build init]: success

Process finished with exit code 0

Structure

Sync project finished in 3 s 118 ms (a minute ago)

Device File Browser