概要

客户资源包制作方法,原理介绍

原理介绍

通过新建/pax分区,并且烧录的时候,把文件系统烧录进去,pax.img 烧录到pax分区,把cache分区link到pax分区,

烧录客户资源包的时候,在cache目录,创建customer文件夹,并且里面,配对有bin,etc,app等目录,代码运行的时候,根据对应目录,安装对应文件.

或者过滤文件安装,安装完成后,创建APP_INSTALLED 等文件,写入app_installed 等字样,代表 客户资源包的app已经安装过

```
A6650:/ # ls pax/
cache  file  lost+found  property  tmp
A6650:/ # ls pax/cache/
app  backup  backup_stage  customer  data  lost+found  misc  pax-recovery  recovery
A6650:/ # ls pax/cache/customer/
APP_INSTALLED  FONTS_COPYED  LIBS_COPYED  OWNER_VERSION  bin  cert  etc  lib  media  priv-app
A6650:/ # ls pax/cache/customer/bin/
customer_init.sh
A6650:/ # ls pax/cache/customer/priv-app/
Maps_arm64_sig.apk
A6650:/ # ls pax/cache/customer/etc/
customer_configs.xml
A6650:/ # cat pax/cache/customer/APP_INSTALLED
app_installed
A6650:/ #
```

资源包制作

- 修改概要,以Smartweb 客户资源包举例

```
xielx@u295:~/ssdCode/a6650_1/QSSI.12/paxdroid$ git st .
On branch paxdroid_runthos2.7
Your branch is up to date with 'origin/paxdroid_runthos2.7'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   customer/customer-build.sh

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        customer/Smartweb/A6650/
        customer/Smartweb/Smartweb-A6650.sh
        customer/sign_file.py

no changes added to commit (use "git add" and/or "git commit -a")
xielx@u295:~/ssdCode/a6650_1/QSSI.12/paxdroid$
```

- customer/customer-build.sh

添加项目的targetModel,平台代号,logo制作方法等,还可以直接指定签名脚本(上图的sign_file.py),默认的脚本签名对于某些服务器可能没适配

```
index 6d61d4f1..49ce20ed 100755
--- a/customer/customer-build.sh
+++ b/customer/customer-build.sh
@@ -436,6 +436,12 @@ elif [ "$product" == "M9200" ]; then
    PLATFORM_NAME=M9200_Uniphiz_12.0.0_Kapok
    SCREEN_RESOLUTION=720x1440
    BOOTLOGO_BUILDER=build_bootlogo_by_bmp
+elif [ "$product" == "A6650" ]; then
+    targetModel=A6650
+    targetPlatform=PayDroid_12.0.0_Ginkgo
+    PLATFORM_NAME=A6650_PayDroid_12.0.0_Ginkgo
+    SCREEN_RESOLUTION=720x1600
+    BOOTLOGO_BUILDER=build_bootlogo_by_bmp
 else
    is_product_supported=false
 fi
@@ -446,25 +452,15 @@ function sign_file()
    sign_file_in_path=$1
    sign_file_out_path=$2
    if [ -e $sign_file_in_path ];then
-       if [ "$sign_mode" == "RD3" ];then
-           ${ANDROID_ROOT}/paxdroid/customer/res_sign_RD3.sh $1 $2
-       else
-            $SSHPASS scp ${sign_file_in_path} builder@192.168.0.182:/tmp/file2sign.bin
-            $SSHPASS ssh -t builder@192.168.0.182 "/home/builder/sign_zhuxy/filesign.py 0 /tmp/file2sign.bin /dev/ttyPos0"
-            $SSHPASS scp builder@192.168.0.182:/tmp/file2sign_SIG.bin ${sign_file_out_path}
+           ${ANDROID_ROOT}/paxdroid/customer/sign_file.py ${sign_file_in_path} ${sign_file_out_path}
       if [ -e $sign_file_out_path ];then
-           echo "file signed out: $sign_file_out_path"
-       else
-           echo "###### sign_file error ######"
-           echo "Abort Building!"
-           echo "Checking sign environment..."
```

- customer/Smartweb/A6650/

  添加项目的文件夹,添加需要的资源包文件,包括填写OWNER_VERSION

```
ontracked files:
  (use "git add <file>..." to include in what will be committed)

      customer/Smartweb/A6650/  <----
      customer/Smartweb/Smartweb-A6650.sh
      customer/sign_file.py

no changes added to commit (use "git add" and/or "git commit -a")
xielx@u295:~/ssdCode/a6650_1/QSSI.12/paxdroid$ ls customer/Smartweb/A6650/
customer_configs.xml  customer_init.sh  Maps_arm64_sig.apk  OWNER_VERSION
xielx@u295:~/ssdCode/a6650_1/QSSI.12/paxdroid$ cat customer/Smartweb/A6650/OWNER_VERSION
Smartweb-V1.00_20230628
xielx@u295:~/ssdCode/a6650_1/QSSI.12/paxdroid$
```

- customer/Smartweb/Smartweb-A6650.sh

  填写具体的资源包制作脚本,注意CUSTOMER 要填写对于对应的客户名字,创建具体目录等

```
customer_configs.xml  customer_init.sh    Maps_arm64_sig.apk    OWNER_VERSION
xielx@u295:~/ssdCode/a6650_1/QSSI.12/paxdroid$ cat customer/Smartweb/Smartweb-A6650.sh
#! /bin/bash

RES_DIR=$1
PRODUCT=$2

CUSTOMER=Smartweb  <----
mkdir -p ${RES_DIR}/customer/etc
mkdir -p ${RES_DIR}/customer/priv-app
mkdir -p ${RES_DIR}/customer/bin

cp paxdroid/customer/${CUSTOMER}/${PRODUCT}/OWNER_VERSION          ${RES_DIR}/customer/OWNER_VERSION
cp paxdroid/customer/${CUSTOMER}/${PRODUCT}/customer_configs.xml   ${RES_DIR}/customer/etc/customer_configs.xml
cp paxdroid/customer/${CUSTOMER}/${PRODUCT}/Maps_arm64_sig.apk     ${RES_DIR}/customer/priv-app/Maps_arm64_sig.apk
cp paxdroid/customer/${CUSTOMER}/${PRODUCT}/customer_init.sh       ${RES_DIR}/customer/bin/customer_init.sh
xielx@u295:~/ssdCode/a6650_1/QSSI.12/paxdroid$
```

- 制作命令

  ○ ./paxdroid/customer/customer-build.sh A6650 customer_res Smartweb

- 生成文件在W:\ssdCode\a6650_1\QSSI.12\paxdroid\customer\pack\customer_res

  有客户资源包,还有ota包,都是可以使用paydroid tool导入