**切换开关机动画同步品牌和型号**

**一、 功能需求**

切换开关机动画时，品牌和型号与开关机动画的品牌和型号一致。

**二、 解决思路**

（1）在system/core/init/property\_service.cpp中初始化对应开关机动画的品牌和型号的属性值，这个类是属性的初始化类。

（2）在system/core/libcutils/properties.c中使用开关机动画的品牌和型号属性在调用SystemProperties.get()方法获取品牌型号值时替换掉实际的品牌和型号值。

**三、 修改文件**



**四、 具体解决步骤**

**(1)在解析Properties时，从NV中读取切换开关机动画的品牌和型号值，使用该值替换掉原先的属性值（system/core/init/property\_service.cpp)：**

**1.读取NV值：**

///Xunhu: custom model, brand, bt, wifi ap, usb, mtp, ptp, devices manager at 2016-10-28 12:17:12 by qty{{&&

///Description: 客制化型号、品牌、蓝牙、wifi热点、usb、mtp、ptp和devices manager名称(更新型号和品牌属性)

#if defined(XUNHU\_QTY\_MODEL\_SETTING) || defined(XUNHU\_QTY\_SYNC\_MODEL\_BRAND)

static char nv\_string[32];

char\* read\_string\_from\_nv(int flag)

{

int fd,n;

char \*buffer = NULL;

int retry=0;

char PN[128];//Length must be no shorter than the path below!!!

sprintf(PN,"/dev/block/platform/mtk-msdc.0/11230000.msdc0/by-name/proinfo");//path may vary from case to case

fd= open(PN,O\_RDONLY);

while ((retry < 3)&&(fd < 0)){

sleep(10);

retry++;

fd= open(PN,O\_RDONLY);

}

if (fd < 0)

{

return nv\_string;

}

buffer = (char\*)malloc(2048);

if(buffer == NULL)

{

close(fd);

return nv\_string;

}

memset(buffer,0,2048);

n=read(fd,buffer,2048);

if(n != 2048){

close(fd);

return nv\_string;

}

close(fd);

if (flag == 0) {

strncpy(nv\_string, &buffer[1024 + 570], 32);

} else if (flag == 1) {

strncpy(nv\_string, &buffer[1024 + 602], 32);

} else if (flag == 2) {

strncpy(nv\_string, &buffer[1024 + 228], 32);

} else if (flag == 3) {

strncpy(nv\_string, &buffer[1024 + 538], 32);

}

ERROR("qty, initModelAndBrand=>nv\_string: %s, flag = %d.", nv\_string, flag);

free(buffer);

return nv\_string;

}

#endif

///&&}}

**2.替换原先的属性值：**

static void load\_properties(char \*data, const char \*filter)

{

...

///Xunhu: custom model, brand, bt, wifi ap, usb, mtp, ptp, devices manager at 2016-10-28 12:17:12 by qty{{&&

///Description: 客制化型号、品牌、蓝牙、wifi热点、usb、mtp、ptp和devices manager名称(更新型号和品牌属性)

//property\_set(key, value);

#if defined(XUNHU\_QTY\_MODEL\_SETTING)

if (strcmp(key,"persist.sys.xunhu\_model") == 0) {

strcpy(nv\_string ,read\_string\_from\_nv(0));

if (strlen(nv\_string) > 0) {

property\_set(key, nv\_string);

} else {

property\_set(key, value);

}

} else if (strcmp(key, "persist.sys.xunhu\_brand") == 0) {

strcpy(nv\_string ,read\_string\_from\_nv(1));

if (strlen(nv\_string) > 0) {

property\_set(key, nv\_string);

} else {

property\_set(key, value);

}

} else {

property\_set(key, value);

}

#elif defined(XUNHU\_QTY\_SYNC\_MODEL\_BRAND)

if (strcmp(key,"persist.sys.custom\_dev\_model") == 0) {

strcpy(nv\_string ,read\_string\_from\_nv(2));

if (strlen(nv\_string) > 0) {

property\_set(key, nv\_string);

} else {

property\_set(key, value);

}

} else if (strcmp(key, "persist.sys.custom\_dev\_brand") == 0) {

strcpy(nv\_string ,read\_string\_from\_nv(3));

if (strlen(nv\_string) > 0) {

property\_set(key, nv\_string);

} else {

property\_set(key, value);

}

} else {

property\_set(key, value);

}

#else

property\_set(key, value);

#endif

///&&}}

}

}

}

**(2)使用切换开关机动画的品牌和型号值在调用SystemProperties.get()方法获取品牌和属性时替换掉该值（system/core/libcutils/properties.c):**

int property\_get(const char \*key, char \*value, const char \*default\_value)

{

///Xunhu: custom model, brand, bt, wifi ap, usb, mtp, ptp, devices manager at 2016-10-28 12:17:12 by qty{{&&

///Description: 客制化型号、品牌、蓝牙、wifi热点、usb、mtp、ptp和devices manager名称(修改品牌和型号)

/\*

int len;

len = \_\_system\_property\_get(key, value);

\*/

int len = 0;

#if defined(XUNHU\_QTY\_MODEL\_SETTING)

if (strcmp(key,"ro.product.model") == 0) {

len = \_\_system\_property\_get("persist.sys.xunhu\_model", value);

} else if (strcmp(key, "ro.product.brand") == 0) {

len = \_\_system\_property\_get("persist.sys.xunhu\_brand", value);

} else if (strcmp(key, "ro.product.model\_origin") == 0) {

len = \_\_system\_property\_get("ro.product.model", value);

} else if (strcmp(key, "ro.product.brand\_origin") == 0) {

len = \_\_system\_property\_get("ro.product.brand", value);

}

ALOGV("mbbwaumpd, property\_get(top)=>key: %s, value: %s, len: %d", key, value, len);

if (len > 0 && strcmp(value, "unknown") != 0) {

return len;

} else {

len = \_\_system\_property\_get(key, value);

}

ALOGV("mbbwaumpd, property\_get(bottom)=>key: %s, value: %s, len: %d", key, value, len);

#elif defined(XUNHU\_QTY\_SYNC\_MODEL\_BRAND)

if (strcmp(key,"ro.product.model") == 0) {

len = \_\_system\_property\_get("persist.sys.custom\_dev\_model", value);

} else if (strcmp(key, "ro.product.brand") == 0) {

len = \_\_system\_property\_get("persist.sys.custom\_dev\_brand", value);

} else if (strcmp(key, "ro.product.model\_origin") == 0) {

len = \_\_system\_property\_get("ro.product.model", value);

} else if (strcmp(key, "ro.product.brand\_origin") == 0) {

len = \_\_system\_property\_get("ro.product.brand", value);

}

ALOGV("qty->property\_get(top)=>key: %s, value: %s, len: %d", key, value, len);

if (len > 0 && strcmp(value, "unknown") != 0) {

return len;

} else {

len = \_\_system\_property\_get(key, value);

}

ALOGV("qty->property\_get(bottom)=>key: %s, value: %s, len: %d", key, value, len);

#else

len = \_\_system\_property\_get(key, value);

#endif

///&&}}

...

return len;

}