Packagemanager 启动时候的补充

1.Permissions

**SystemConfig：**

final SparseArray<ArraySet<String>> mSystemPermissions = new SparseArray<>();

final ArrayMap<String, PermissionEntry> mPermissions = new ArrayMap<>();

final ArrayMap<String, String> mSharedLibraries = new ArrayMap<>();

root@htc\_m8tl:/etc/permissions # cat platform.xml

<permissions>

**//保存在mPermissions 容器中。**

<permission name="android.permission.DIAGNOSTIC" >

<group gid="input" />

<group gid="diag" />

</permission>

**//保存在mSystemPermissions 容器中。**

<assign-permission name="android.permission.MODIFY\_AUDIO\_SETTINGS" uid="media" />

<assign-permission name="android.permission.ACCESS\_SURFACE\_FLINGER" uid="media" />

**//保存在mSharedLibraries 容器中。**

<library name="android.test.runner"

file="/system/framework/android.test.runner.jar" />

</permissions>

@：通过assign-permission标签获取其中的uid字符串，然后调用Process.getUidForName函数获取相应的uid号，创建uid和permission ArraySet对应的SparseArray保存在mSystemPermissions 容器中。

@：通过permission标签创建PermissionEntry对象，用该对象和permission记录保存在mPermissions 容器中。同时调用Process.getGidForName函数将permission标签下的group转化为gid保存在PermissionEntry对象中。

**Packagemanagerservice：**

mGlobalGids = systemConfig.getGlobalGids();

**mSystemPermissions = systemConfig.getSystemPermissions(); //assign-permission**

**ArrayMap<String, SystemConfig.PermissionEntry> permConfig**

**= systemConfig.getPermissions();**

for (int i=0; i<permConfig.size(); i++) {

SystemConfig.PermissionEntry perm = permConfig.valueAt(i);

BasePermission bp = mSettings.mPermissions.get(perm.name);

if (bp == null) {

bp = new BasePermission(perm.name, "android", BasePermission.TYPE\_BUILTIN);

**mSettings.mPermissions.put(perm.name, bp); //permission**

}

if (perm.gids != null) {

bp.setGids(perm.gids, perm.perUser);

}

}

2.readLPw