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Rockchip 预安装应用功能说明文档

Rockchip_Application_Preinstallation_Instruction

(第二系统产品部)
(Technical Department, R & D Dept. II)

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v1.0	吴惊晨 Wu Jingchen	2018.11.12	创建初始版本 Initial version release	适用 8.1 及以上版本 Suitable for 8.1 and higher versions
v1.1	吴惊晨 Wu Jingchen	2019.1.23	对不同平台的兼容性补充说明 Supplementary on the compatibility of different platforms	
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1 概述 Overview

Android 上的应用预安装功能，主要是指配置产品时，根据厂商要求，将事先准备好的第三方应用预制进 Android 系统。

Android application preinstallation function is to pre-install the third party applications into Android system when configuring the product according to customer requirements.

预安装分为：

The preinstall includes:

1. 安装不可卸载应用；

Install the non-uninstall application.

2. 安装可永久卸载应用；

Install the permanent uninstall application.

3. 安装卸载后恢复出厂设置后自动恢复的应用。

Install the application which will automatically install after factory reset.

2 功能启用说明 Function enable instruction

2.1 配置和使用 Configuration and usage

source 之后输入命令 `get_build_var TARGET_DEVICE_DIR` 找到对应目标文件夹
(比如 `device/rockchip/rk3126c/`)

After source, input the command `get_build_var TARGET_DEVICE_DIR` to find the corresponding target folder (such as `device/rockchip/rk3126c/`)

在目标文件夹下有三个文件夹，分别为：

There are three folders in the target folder, including:

1. `preinstall`

2. `preinstall_del_forever`

3. `preinstall_del`

分别对应概述中的几种。请将需要预置的应用放入对应的文件夹，注意 apk 文件名尽量使用英文，避免空格。

Respectively corresponding to the types described in the overview. Please put the pre-install applications into the corresponding folder. The apk file should be named in English and avoid space.

顺利的话，make 之后会在 `$OUT/oem` 目录，生成对应的文件夹：

If successfully, after make it will generate the corresponding folder in the directory of `$OUT/oem`:

1. `bundled_persist-app`

2. `bundled_uninstall_gone-app`

3. `bundled_uninstall_back-app`

仍旧对应概述中的几种。

Also corresponding to the types as described in the overview.

在烧录后，系统会自动安装这些应用到对应目录。

After flashing, the system will automatically install these applications into the corresponding directories.

注意：不支持带 systemuid 应用的预制，请使用 android 原生方式编写 mk 文件。可参考 vendor/rockchip/common/apps/RkDeviceTest/的集成方式

Note: Not support to pre-install the application with systemuid. Please use android original method to compile mk file. You can refer to the integration method of vendor/rockchip/common/apps/RkDeviceTest/.

2.2 编译结果 **Compiling result**

编译后配置文件将会输出到 odm 分区 (\$OUT/oem/)，增加后请确认烧写了 odm.img 来使其生效。

After compiling the configuration file will be output to odm partition (\$OUT/oem/). Please remember to flash odm.img to make it take effect.