Context

ContextImpl

ContextWrapper

Service

ContextThemeWrapper

Activity

frameworks/base/core/java/android/app/ContextImpl.java

|  |
| --- |
| public PackageManager getPackageManager() { |
|  | if (mPackageManager != null) { |
|  | return mPackageManager; |
|  | } |
|  |  |
|  | IPackageManager pm = ActivityThread.getPackageManager(); |
|  | if (pm != null) { |
|  | // Doesn't matter if we make more than one instance. |
|  | return (mPackageManager = new ApplicationPackageManager(this, pm)); |
|  | } |
|  |  |
|  | return null; |
|  | } |

public abstract class PackageManager

{

}

class ContextImpl extends Context{

private PackageManager mPackageManager;

}

final class ApplicationPackageManager extends PackageManager{

private final IPackageManager mPM;

public List<PackageInfo> getInstalledPackages(int flags){

mPM.getInstalledPackages(flags,lastKey)

}

}

ActivityThread.getPackageManager();

public final class ActivityThread{

static volatile IPackageManager sPackageManager;

public static IPackageManager getPackageManager(){

if (sPackageManager != null) return sPackageManager;

IBinder b = ServiceManager.getService(“package”)

sPackageManager = IPackageManager.Stub.asInterface(b);

}

}

public interface IPackageManager extends android.os.IInterface{

public static abstract class Stub extends android.os.Binder implements IPackageManager{

public static IPackageManager asInterface(android.os.IBinder){

}

}

}

PackageManagerService.java

frameworks/base/services/java

package com.android.server.pm;

public class PackageManagerService extends IPackageManager.Stub{

}

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