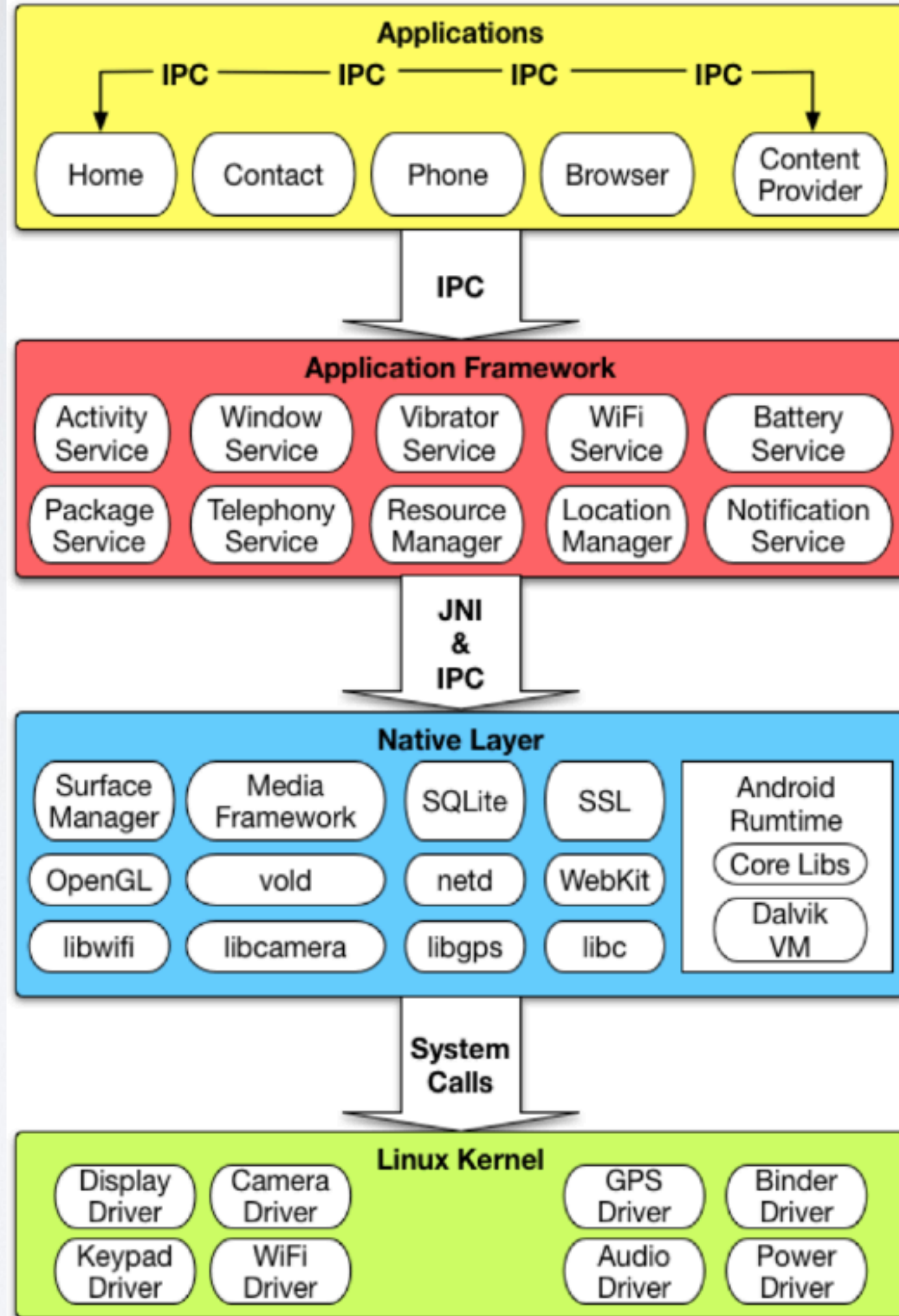# IPC is pervasive in Android

Binder is implemented as an RPC

1. Developer defines methods and object interface in an `.aidl` file

```
package com.example.android; // IRemoteService.aidl

/** Example service interface */
interface IRemoteService {
    /** Request the process ID of this service, to do evil things with it. */
    int getPid();
    /** Pause the service for a while */
    void pause(long time);
}
```

2. Android SDK generates a stub Java file for the `.aidl` file
   and exposes the stub in a Service

3. Developer implements the stub methods

4. Client copies the `.aidl` file to its source

5. Android SDK generates a stub (a.k.a proxy)

6. Client invoke the RPC through the stub