

Upgrade

WIPI

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Design of the WIPI Application Development Environment with Dynamic Upgrade Capability

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3, CP(Contents Provider) ETRI
(WIPI : Wireless Internet Platform for Interoperability)
가

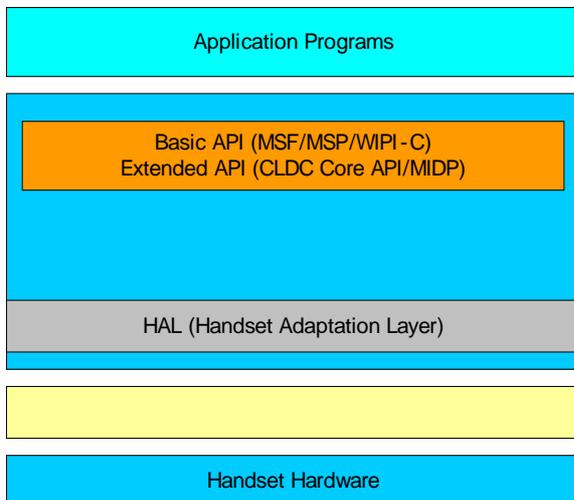
Upgrade WIPI

1.

WIPI[1][2][3]

CP(Contents Provider) 가

WIPI
PC



[4]

Upgrade WIPI
가

2 WIPI
, 3
API

[1]

2. WIPI

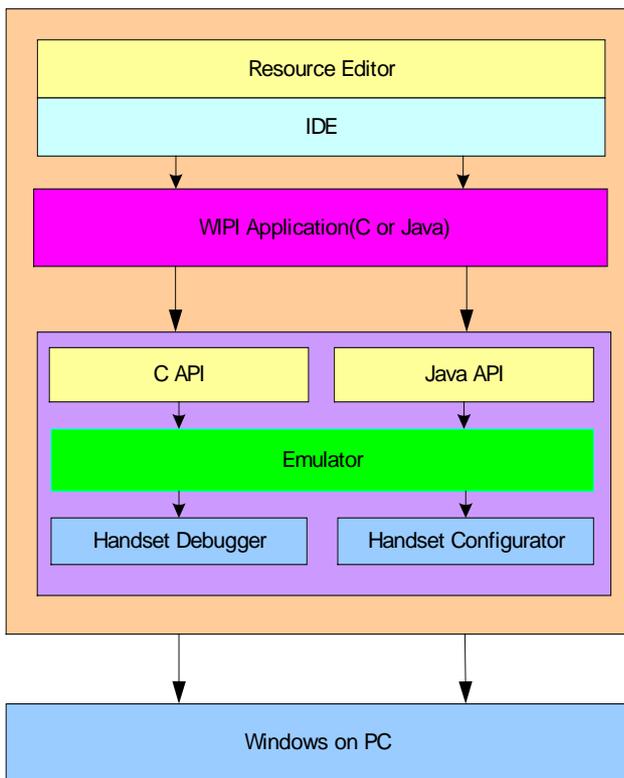
WIPI

PC

[5][6].

[2]

[6].



[2]WIPI

- Handset Configurator

SOCKET

- Handset Debugger

PC

- IDE(Integrated Development Environment)

C Java

- Emulator

C

Java

, 가

- C API Java API

WIPI

API

C Java API

- Resource Editor

Resource Editor

JAR

3. WIPI

Upgrade

WIPI

HAL

WIPI

Upgrade

API

API

가

3.1 WIPI

Upgrade

[3]

WIPI

Monitor

WIPI

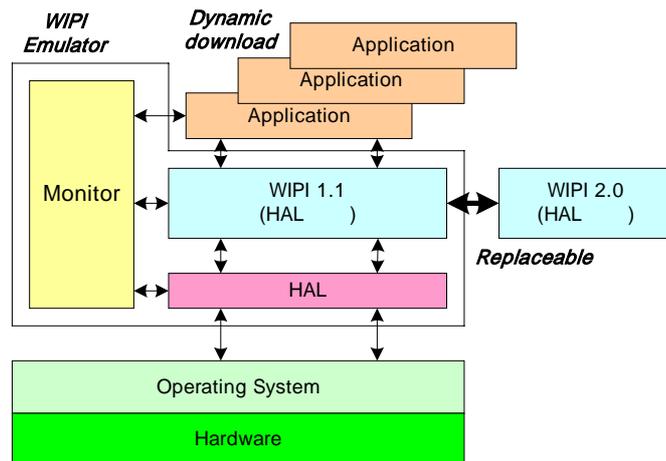
Plat.Manager

([

4)

HAL

WIPI



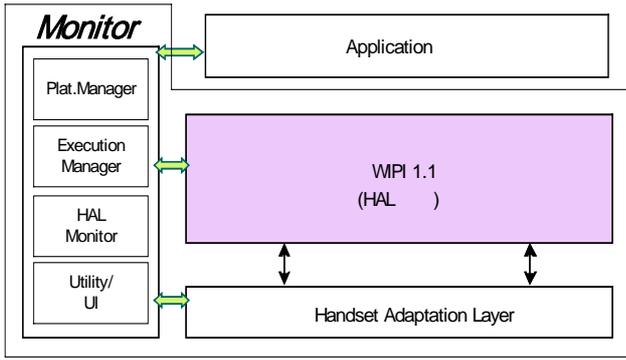
[3]WIPI

WIPI

HAL(Handset

Adaptation Layer) WIPI

WIN 32 API



[4]Monitor

①Plat.Manager

HAL WIFI

upgrade

②Execution Manager

thread

가

• :

• :

③HAL Monitor

• :

• : , LED,

• :

④Utility/UI(User Interface)

3.2 API Upgrade

WIFI

API(API)

API 가

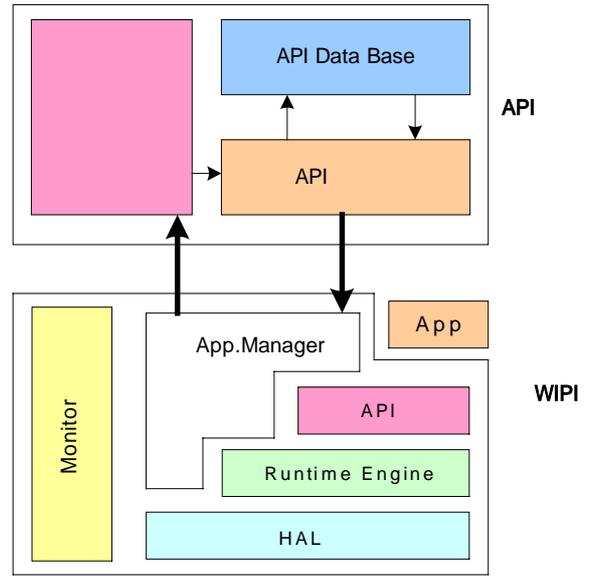
가

WIFI

API upgrade

가 , API

가



[5]

API

[5] WIFI

App.Manager

API

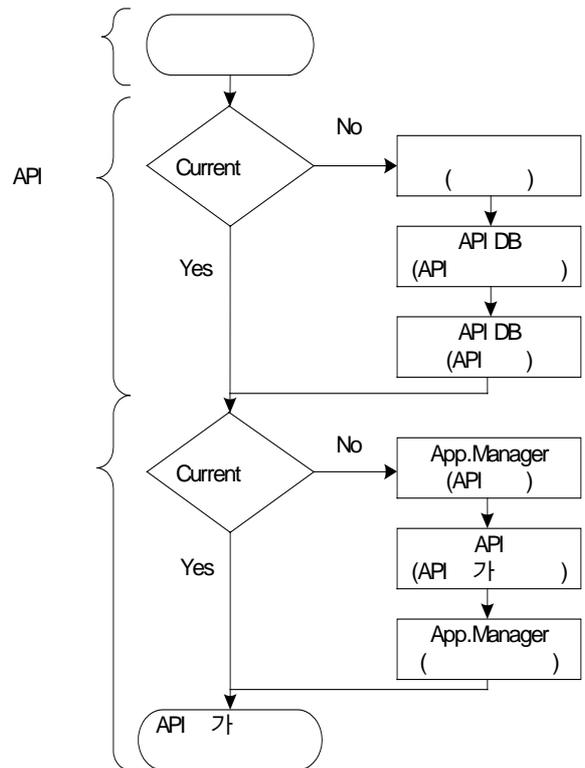
API

API

App.Manager

API

[6]



[6]

API

- ① WIPI API
- ② WIPI API
- ③ WIPI API
- ④ WIPI API API API
- ⑤ API
- ⑥ App.Manager
- ⑦ App.Manager API 가
- ⑧ API
- ⑨
- ⑩ API 가

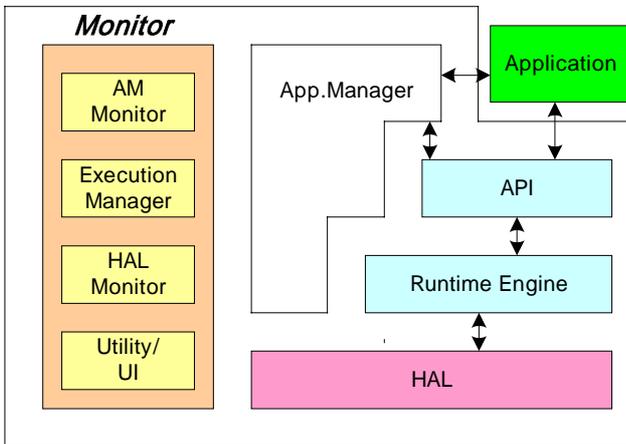
- : Windows 2000 Professional
- : C++
- : Visual C++ 6.0

4. WIPI

WIPI

API upgrade Monitor [7]

WIPI Upgrade WIPI



[7]Monitor App.Manager

[1] , www.kwisforum.org
 [2] V.1.2.1, KWISFS.K-05-001R3
 [3] , “ ” , TTA ,
 82 , 2002.7.
 [4] , “ ” , TTA , 82 , 2002.7.
 [5] www.mobilejava.co.kr
 [6] www.aromasoft.co.kr

① AM(Application Manager) Monitor
 Application Manager

- API
- API : API
- API API

② App.Manager API 가

Execution Manager, HAL Monitor, Utility/UI
 WIPI Upgrade

3.3

HAL