

Internal system service, plug-in or driver (not related to UI)

Customizable UI component plug-in

Non-customizable UI component plug-in

Shared libraries, providing C/C++ system APIs

★ Binder connection (can dynamically publish or access values, functions or data stream, in a system-wide namespace). Accessible using C++, Javascript and shell scripts.

Team (independent protected memory space)

Non customizable core system component

Customizable or optional plug-in, module or driver, using only well defined APIs

Existing component Future or custom component

Wagner (Plug-ins)

Fully customizable UI skin:

UI layout using HTML and Wagner hierarchical framework
UI design based on any content plug-in (HTML text, graphics, Flash...) interaction with BeA and plug-ins APIs through binder ★

★ javascript
Opera
HTML 4.0
CSS 1&2
DHTML
DOM
XML ...

★ PersonalJava
★ Flash
★ RealG2
★ Beatnik
★ MediaPlayer
MP3 AIFF
WAV AU

★ GIF
★ JPEG
★ BMP
★ PNG
★ LEX
★ games
★ custom plug-in

★ email text editor
★ custom list view :
addressbook bookmark
file browser...
★ software keyboard
★ instant messaging
★ date & time

★ Wagner (Core)

resources
cache mngr

cookies
manager

network
protocol

local HTTP
HTTPS FTP

Security
manager

content
instance
framework

Shared libraries C/C++ APIs

Media file format

codec

Graphic and application services ★

Input Server ★

filters

input method

fonts

LBX

graphic accelerant

Kernel (Drivers)

keyboard driver

audio driver

network core

TCP

IP

PPP

PPPoE

DHCP

ICMP

modem driver

ethernet driver

graphic driver

mouse driver

bus manager

storage driver

ATA, DOC, USB Zip...

file system

CFS, FAT12/16/32...

custom I/O

LEDs...

print imaging

print plug-in

print transport

uncrusher

CPU module

MAP Client Agent ★

Shared libraries C/C++ APIs

Complex custom daemon or application ★

Shared libraries C/C++ APIs

Media services ★

audio mixer

Kernel (Core)

VM, scheduler, ports...

PCI, ISA, USB, IDE, PCMCIA, SCSI

storage driver

ATA, DOC, USB Zip...

file system

CFS, FAT12/16/32...

custom I/O

LEDs...