

## osFree RoadMap

osFree development must be attacked in several major stages - From a Command Line Inteface to the full Workplace Shell. Our current status in the chain is bolded.

### Component implementation status

- [Filesystems support](#)

### Steps to 1.0

#### 0.1

In this version CPI implementation must be mostly finished. 16-bit API support not required. CMD.EXE and tools must be recompiled (because only sourcelevel compatability at this stage).

| Version | Requirements   | Status             |
|---------|--|--------------------|
| 0.0.1   | L4 must be loaded using GRUB and Hello, world application must be executed (as L4 root task). Hello, world application is stub for osFree kernel.  | Done               |
| 0.0.2   | EXT2FS must be finished (in general) and boot sequence must be implemented. GRUB must be removed. MicroFSD is 16-bit (OS/2 compatible), IFS is 32-bit (not OS/2 compatible). MicroFSD must load FreeLDR and execute it. FreeLDR must load L4 kernel and root task (osFree kernel stub). LILO must not be required for EXT2FS.  | Done               |
|         | <b>Note:</b> MiniFSD is absent because not required for microkernel architecture.  |                    |
| 0.0.3   | osFree kernel must parse CONFIG.SYS using file provider server (not real device driver loading) and show config tree.  | Done               |
| 0.0.4   | LX loader and module linker (using file provider). osFree kernel must allow load and execute PROTSHELL application.  | Done               |
| 0.0.5   | Filesystem API implementation. LX loader must allow loading of <a href="#">MINICMD.EXE</a> task via <a href="#">L4VFS</a> and execute it. <a href="#">Minimal set of API</a> must be implemented. All pointers operations must be replaced by handles (implement handle manager). <a href="#">OS/2 Server</a> must be more structured. Support of OS/2 memory map. <a href="#">More...</a> | <b>In Progress</b> |
| 0.0.6   | VIO Server implementation. <a href="#">VIO API</a> implementation (32-bit version, via VIO Server). Console support instead of output to log server. Console output via nitpicker (write server like proxygon).  | Not Done           |
| 0.0.7   | <a href="#">KBD API</a> implementation (32-bit version)  | Not Done           |
| 0.0.8   | Concurrent execution of many applications. Multithreaded applications.   | Not Done           |
| 0.0.9   | OpenWatcom and build tools must be recompiled as 32-bit version (no 16-bit API must be used). (LX format)  | Not Done           |
| 0.0.10  | CMD.EXE must be compiled and all required CPI for it must be implemented. (LX format, 32-bit API only)   | Not Done           |
| 0.0.11  | Self-compiled version of osFree. (LX format, no 16-bit API)  | Not Done           |
| 0.0.12  | Open Object REXX must be ported. (LX format, no 16-bit API)  | Not Done           |

**0.2**

16-bit API support must be implemented.

| Version | Requirements                       | Status   |
|---------|------------------------------------|----------|
| 0.1.1   | 16↔32 thinking must be implemented | Not Done |
| 0.1.2   | 16→32 calls wrappers               | Not Done |
| 0.1.3   | ELF format support                 | Not Done |
| 0.1.4   | NE format support                  | Not Done |

**0.3**

SOM tools and environment must be implemented. (Reused of somFree, not included in osFree source tree yet)

| Version | Requirements                                  | Status         |
|---------|---|----------------|
| 0.2.1   | SOM Compiler Watcom Linker Emitter            | Done           |
| 0.2.2   | SOM Compiler Preprocessor                     | Done           |
| 0.2.3   | SOM Compiler C Emitter must be implemented    | Done (builtin) |
| 0.2.4   | SOM Compiler C++ Emitter must be implemented  | Done (builtin) |
| 0.2.5   | Emitter Framework classes must be implemented | In progress    |
| 0.2.6   | SOM Compiler must be implemented              | Done           |
| 0.2.7   | SOM CPI Intefaces                             | Not Done       |

**0.4**

GPI must be implemented (NO SOM Here)

**0.5**

PM must be implemented (SOM Based PM???)

**0.6**

WPS must be implemented

**0.7**

Network must be implemented

**Unsorted yet**

- osFree toolkit** Clone of OS/2 Toolkit

2. **Command line tools** Clone of command line OS/2 tools
3. **DOS Command line tools** Clone of DOS and dual mode tools
4. **DOSKRNL** clone
5. **Win16 applications** clone of Win16 GUI applications
6. **Win16 DLLs** clone of high level Win16 DLLs
7. **Win16 drivers** clone of base device drivers (COMM, KEYBOARD, SYSTEM, MOUSE)
8. **Win16 USER.DLL** clone of Win16 USER.DLL
9. **Win16 GDI.DLL** clone of Win16 GDI.DLL
10. **Win16 kernel** clone of KRNL386.EXE

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