

## Current Status

osFree project is deep in the alpha stage. At the present time the osFree project work with low-level parts of operating system like loader and related tools. We also try to develop an experimental prototype of OS/2 personality for L4 microkernel. Also we have set of command line tools like CMD.EXE and file/disk maintenance utilities.

For now a lot of tools are already finished (mainly thanks to JP Software for their 4OS2 command processor sources and Bartosz Tomasik for most of other command line tools. Also thanks to those who contributed directly or indirectly their sources). But there's still a lot to do.

However, don't limit yourself to command line tools. If you're interested in developing a kernel loader (some source exists), kernel, device drivers, or other parts of the osFree system, you are welcome to work on them! We will be glad to see you as an osFree developer!

## osFree roadmap

For osFree development plan, milestones (passed ones, current ones and the correspondence of them to system versions, see osFree [roadmap](#))

## Completeness/status of each component

Here is each small component status:

| System part           | System subpart                                           | Status | License | Developers                            | To Do |
|-----------------------|----------------------------------------------------------|--------|---------|---------------------------------------|-------|
| osFree art            | osFree logo                                              | Done   | osFree  | Cristiano Guadagnino, Alex Kramer     |       |
| Global shared code    | dynamic lists/dynamic stacks code                        | Done   | osFree  | Cristiano Guadagnino                  |       |
|                       | messaging functions                                      | Done   | osFree  | Henk Kelder, Bartosz Tomasik          |       |
|                       | path manipulation code                                   | Done   | osFree  | Bartosz Tomasik                       |       |
|                       | disk info functions                                      | Done   | osFree  | Bartosz Tomasik                       |       |
|                       | file system functions                                    | Done   | osFree  | Bartosz Tomasik                       |       |
|                       | directory-tree recurse helper functions                  | Done   | osFree  | Cristiano Guadagnino, Bartosz Tomasik |       |
| CLI tools shared code | messaging functions                                      | Done   | osFree  | Cristiano Guadagnino, Bartosz Tomasik |       |
|                       | filesystem functions                                     | Done   | osFree  | Bartosz Tomasik                       |       |
|                       | shared code, calling 16-bit dynamically loaded functions | Done   | osFree  | Michal Necasek                        |       |
| Documentation         | Build Level Information                                  | Done   | osFree  | Yuri Prokushev                        |       |

| System part | System subpart | Status    | License | Developers  | To Do |
|-------------|----------------|-----------|---------|-------------|-------|
| CMD.EXE     | Extension      |           | 40S2    | JP Software |       |
|             | ACTIVATE       |           | 40S2    | JP Software |       |
|             | ALIAS          |           | 40S2    | JP Software |       |
|             | BEEP           |           | 40S2    | JP Software |       |
|             | CALL           | Done      | 40S2    | JP Software |       |
|             | CANCEL         |           | 40S2    | JP Software |       |
|             | CASE           |           | 40S2    | JP Software |       |
|             | CD             | Done      | 40S2    | JP Software |       |
|             | CDD            |           | 40S2    | JP Software |       |
|             | CHCP           | Done      | 40S2    | JP Software |       |
|             | CHDIR          | Done      | 40S2    | JP Software |       |
|             | COLOR          |           | 40S2    | JP Software |       |
|             | COPY           | Done      | 40S2    | JP Software |       |
|             | DATE           | Done      | 40S2    | JP Software |       |
|             | DEFAULT        |           | 40S2    | JP Software |       |
|             | DEL            | Done      | 40S2    | JP Software |       |
|             | DELAY          |           | 40S2    | JP Software |       |
|             | DESCRIBE       |           | 40S2    | JP Software |       |
|             | DETACH         | Done      | 40S2    | JP Software |       |
|             | DIR            | Done      | 40S2    | JP Software |       |
|             | DIRHISTORY     |           | 40S2    | JP Software |       |
|             | DIRS           |           | 40S2    | JP Software |       |
|             | DO             |           | 40S2    | JP Software |       |
|             | DPATH          | Done      | 40S2    | JP Software |       |
|             | DRAWBOX        |           | 40S2    | JP Software |       |
|             | DRAWHLINE      |           | 40S2    | JP Software |       |
|             | DRAWVLINE      |           | 40S2    | JP Software |       |
|             | ECHO           | Done      | 40S2    | JP Software |       |
|             | ECHOERR        | Extension | 40S2    | JP Software |       |
|             | ECHOS          |           | 40S2    | JP Software |       |
|             | ECHOSERR       |           | 40S2    | JP Software |       |
|             | ENDLOCAL       | Done      | 40S2    | JP Software |       |
|             | ENDSWITCH      |           | 40S2    | JP Software |       |
|             | ERASE          | Done      | 40S2    | JP Software |       |
|             | ESET           |           | 40S2    | JP Software |       |
|             | EXCEPT         |           | 40S2    | JP Software |       |
|             | EXIT           | Done      | 40S2    | JP Software |       |
|             | FFIND          |           | 40S2    | JP Software |       |
|             | FOR            | Done      | 40S2    | JP Software |       |
|             | FREE           |           | 40S2    | JP Software |       |
|             | GLOBAL         |           | 40S2    | JP Software |       |
|             | GOSUB          |           | 40S2    | JP Software |       |
|             | GOTO           | Done      | 40S2    | JP Software |       |
|             | HELP           | Done      | 40S2    | JP Software |       |
|             | HISTORY        |           | 40S2    | JP Software |       |
|             | IF             | Done      | 40S2    | JP Software |       |
|             | IFF            |           | 40S2    | JP Software |       |
|             | INKEY          |           | 40S2    | JP Software |       |
|             | INPUT          |           | 40S2    | JP Software |       |
|             | KEYBD          |           | 40S2    | JP Software |       |
|             | KEYS           | Done      | 40S2    | JP Software |       |
|             | KEYSTACK       | Extension | 40S2    | JP Software |       |
|             | LIST           |           | 40S2    | JP Software |       |
|             | LOADBTM        |           | 40S2    | JP Software |       |
|             | LOG            |           | 40S2    | JP Software |       |
|             | MEMORY         |           | 40S2    | JP Software |       |
|             | MOVE           | Done      | 40S2    | JP Software |       |
|             | ON             |           | 40S2    | JP Software |       |
|             | OPTION         |           | 40S2    | JP Software |       |
|             | PATH           | Done      | 40S2    | JP Software |       |
|             | PAUSE          | Done      | 40S2    | JP Software |       |
|             | POPD           |           | 40S2    | JP Software |       |
|             | PROMPT         | Done      | 40S2    | JP Software |       |
|             | PUSHD          |           | 40S2    | JP Software |       |
|             | QUIT           |           | 40S2    | JP Software |       |
|             | RD             | Done      | 40S2    | JP Software |       |
|             | REBOOT         |           | 40S2    | JP Software |       |
|             | REM            | Done      | 40S2    | JP Software |       |
|             | REN            | Done      | 40S2    | JP Software |       |
|             | RENAME         | Done      | 40S2    | JP Software |       |
|             | RETURN         |           | 40S2    | JP Software |       |
|             | RMDIR          | Done      | 40S2    | JP Software |       |
|             | SCREEN         |           | 40S2    | JP Software |       |
|             | SCRPUT         |           | 40S2    | JP Software |       |
|             | SELECT         |           | 40S2    | JP Software |       |
|             | SET            | Done      | 40S2    | JP Software |       |
|             | SETDOS         |           | 40S2    | JP Software |       |
|             | SETLOCAL       | Done      | 40S2    | JP Software |       |
|             | SHIFT          | Done      | 40S2    | JP Software |       |
|             | SHRALIAS       |           | 40S2    | JP Software |       |
|             | START          | Done      | 40S2    | JP Software |       |
|             | SWITCH         | Extension | 40S2    | JP Software |       |
|             | TEE            |           | 40S2    | JP Software |       |
|             | TEXT           |           | 40S2    | JP Software |       |
|             | TIME           | Done      | 40S2    | JP Software |       |
|             | TIMER          |           | 40S2    | JP Software |       |
|             | TITLE          |           | 40S2    | JP Software |       |
|             | TOUCH          |           | 40S2    | JP Software |       |
|             | TYPE           | Done      | 40S2    | JP Software |       |
|             | UNALIAS        |           | 40S2    | JP Software |       |
|             | UNSET          |           | 40S2    | JP Software |       |
|             | VERIFY         | Done      | 40S2    | JP Software |       |
|             | VSCRPUT        |           | 40S2    | JP Software |       |
|             | WINDOW         |           | 40S2    | JP Software |       |
|             | Y              |           | 40S2    | JP Software |       |

| System part  | System subpart                | Status | License | Developers                                                | To Do        |
|--------------|-------------------------------|--------|---------|-----------------------------------------------------------|--------------|
| CLI tools    | ANSI                          | Done   | osFree  | John Martin Alfredsson                                    |              |
|              | ATTRIB                        | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | BACKUP                        | None   |         |                                                           |              |
|              | BLDLEVEL                      | Done   | osFree  | Yuri Prokushev                                            |              |
|              | CHKDSK                        | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | COMP                          | Done   | GPL     | Knut St. Osmundsen                                        |              |
|              | CLS                           | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | DISKCOMP                      | None   | GPL     | Eric Auer,<br>Michal Meller                               | Port to OS/2 |
|              | DISKCOPY                      | None   |         |                                                           |              |
|              | DTRACE                        | None   |         |                                                           |              |
|              | EAUTIL                        | None   |         |                                                           |              |
|              | EJECT                         | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | FDISK                         | Done   | osFree  | Yuri Prokushev                                            |              |
|              | FIND                          | Done   | GPL     | Jim Hall                                                  |              |
|              | FORMAT                        | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | HELPMSG                       | Done   | osFree  | Yuri Prokushev                                            |              |
|              | KEYB                          | None   |         |                                                           |              |
|              | LABEL                         | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | LVM                           | None   |         |                                                           |              |
|              | MAKEINI                       | Done   | GPL     | Ulrich Moeller                                            |              |
|              | MD                            | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | MKDIR                         | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | MKMSGF                        | Done   | GPL 2+  | Michael K. Greene,<br>Yuri Prokushev,<br>Veit Kannegieser |              |
|              | MODE                          | None   |         |                                                           |              |
|              | MORE                          | Done   | Public  | Stephen Lacy                                              |              |
|              | PATCH                         | None   |         |                                                           |              |
|              | PDUMPSYS                      | None   |         |                                                           |              |
|              | PDUMPUSR                      | None   |         |                                                           |              |
|              | PFILES                        | None   |         |                                                           |              |
|              | PRINT                         | Done   |         |                                                           |              |
|              | PROCDUMP                      | None   |         |                                                           |              |
|              | PSTAT                         | None   |         |                                                           |              |
|              | RECOVER                       | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | REPLACE                       | None   |         |                                                           |              |
|              | RESTORE                       | None   |         |                                                           |              |
|              | SORT                          | Done   | GPL     | Eric Auer, Jim Lynch                                      |              |
|              | SPOOL                         | None   |         |                                                           |              |
|              | STRACE                        | None   |         |                                                           |              |
|              | SYSINSTX                      | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | SYSLEVEL                      | Done   |         |                                                           |              |
|              | TRACE                         | None   |         |                                                           |              |
|              | TRAPDUMP                      | None   |         |                                                           |              |
|              | TREE                          | Done   | osFree  | Cristiano Guadagnino,<br>Bartosz Tomasik                  |              |
|              | TRSPPOOL                      | None   |         |                                                           |              |
|              | UNDELETE                      | None   |         |                                                           |              |
|              | XCOPY                         | Done   | GPL     | Vitus Jensen                                              |              |
|              | VER                           | Done   | osFree  | Bartosz Tomasik                                           |              |
|              | VMDISK                        | None   |         |                                                           |              |
|              | VOL                           | Done   | osFree  | Bartosz Tomasik                                           |              |
| Classic REXX | REGINA.DLL                    | Done   | LGPL    | Anders Christensen,<br>Mark Hessling                      |              |
|              | REXX.DLL                      | Done   | LGPL    | Yuri Prokushev,<br>Valery Sedletski                       |              |
|              | REXXAPI.DLL                   | Done   | LGPL    | Yuri Prokushev,<br>Valery Sedletski                       |              |
|              | REXXUTIL.DLL                  | Done   | MPL     | Patrick TJ McPhee                                         |              |
| CPI          | <a href="#">DOSCALLS.DLL</a>  | None   |         |                                                           |              |
|              | <a href="#">KBDSCALLS.DLL</a> | Done   | osFree  | Yuri Prokushev                                            |              |
|              | <a href="#">MOUCALLS.DLL</a>  | Done   | osFree  | Yuri Prokushev                                            |              |
|              | <a href="#">MSG.DLL</a>       | Done   | osFree  | Yuri Prokushev                                            |              |
|              | <a href="#">NLS.DLL</a>       | Done   | osFree  | Yuri Prokushev                                            |              |
|              | <a href="#">QUECALLS.DLL</a>  | Done   | osFree  | Yuri Prokushev                                            |              |
|              | <a href="#">SESMGR.DLL</a>    | Done   | osFree  | Yuri Prokushev                                            |              |
|              | <a href="#">VIOCALLS.DLL</a>  | Done   | osFree  | Yuri Prokushev                                            |              |
| SOM          | SOM.DLL                       | None   |         |                                                           |              |
| DSOM         | SOMD.DLL                      | None   |         |                                                           |              |
| Object REXX  |                               | None   |         |                                                           |              |

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|--------------------|-----------------------------|----------|----------|---------------------------------------------------------------------|-----------------------------------|
| MDOS CLI tools     | <a href="#">APPEND</a>      | Done     | GPLv2    | FreeDOS team<br>Yuri Prokushev                                      |                                   |
|                    | <a href="#">ASSIGN</a>      | Done     | GPLv2    | FreeDOS team<br>Yuri Prokushev                                      |                                   |
|                    | <a href="#">ATTRIB</a>      | Done     | GPLv2    | FreeDOS team                                                        |                                   |
|                    | <a href="#">BASIC</a>       | None     | GPLv2    |                                                                     | BW-BASIC team                     |
|                    | <a href="#">COMMAND</a>     | Done     | GPLv2    | FreeDOS team<br>Valery Sedletski                                    |                                   |
|                    | <a href="#">COMP</a>        | Done     | MIT      | FreeDOS team                                                        |                                   |
|                    | <a href="#">DEBUG</a>       | Done     | MIT      | FreeDOS team                                                        |                                   |
|                    | <a href="#">DISKCOMP</a>    | Done     | GPLv2    | FreeDOS team                                                        |                                   |
|                    | <a href="#">DISKCOPY</a>    | None     |          |                                                                     |                                   |
|                    | <a href="#">EDLIN</a>       | Done     | GPLv2    | FreeDOS team                                                        |                                   |
|                    | <a href="#">EXIT_VDM</a>    | Done     | osFree   | Yuri Prokushev                                                      |                                   |
|                    | <a href="#">FC</a>          | Done     | GPLv2    | FreeDOS team                                                        |                                   |
|                    | <a href="#">FIND</a>        | Done     | GPLv2    | FreeDOS team                                                        |                                   |
|                    | <a href="#">FSACCESS</a>    | None     |          |                                                                     |                                   |
|                    | <a href="#">GRAFTABL</a>    | Done     | GPLv2    | FreeDOS team<br>Yuri Prokushev                                      |                                   |
|                    | <a href="#">HELP</a>        | Done     | osFree   |                                                                     |                                   |
|                    | <a href="#">HELPMMSG</a>    | None     |          |                                                                     |                                   |
|                    | <a href="#">JOIN</a>        | None     |          |                                                                     |                                   |
|                    | <a href="#">LABEL</a>       | Done     | GPLv2    | FreeDOS team                                                        |                                   |
|                    | <a href="#">MEM</a>         | Done     | GPLv2    | FreeDOS team                                                        |                                   |
|                    | <a href="#">MORE</a>        | Done     | GPLv2    | FreeDOS team                                                        |                                   |
|                    | <a href="#">MOVE</a>        | Done     | GPLv2    | FreeDOS team                                                        |                                   |
|                    | <a href="#">MSD</a>         | None     |          |                                                                     |                                   |
|                    | <a href="#">QBASIC</a>      | None     |          |                                                                     |                                   |
| Win16 Applications | <a href="#">CALC</a>        | None     |          |                                                                     |                                   |
|                    | <a href="#">CHARMAP</a>     | None     |          |                                                                     |                                   |
|                    | <a href="#">CLIPBRD</a>     | Done     | GPL2.0+  |                                                                     | ReactOS project<br>Yuri Prokushev |
|                    | <a href="#">CLOCK</a>       | Done     | LGPL2.1+ | Wine project<br>Yuri Prokushev                                      |                                   |
|                    | <a href="#">NOTEPAD</a>     | Done     | LGPL2.1+ | Wine project<br>Yuri Prokushev                                      |                                   |
|                    | <a href="#">PIFEDIT</a>     | None     |          |                                                                     |                                   |
|                    | <a href="#">PROGMAN</a>     | None     |          |                                                                     |                                   |
|                    | <a href="#">SOL</a>         | None     |          |                                                                     |                                   |
|                    | <a href="#">TASKMAN</a>     | Done     | osFree   | Yuri Prokushev                                                      |                                   |
|                    | <a href="#">WINFILE</a>     | None     |          |                                                                     |                                   |
|                    | <a href="#">WINHELP</a>     | None     |          |                                                                     |                                   |
|                    | <a href="#">WINMINE</a>     | Done     | LGPL2.1+ | Wine project<br>Joshua Thielen<br>Nathan Lineback<br>Yuri Prokushev |                                   |
| IPF API            | <a href="#">WINVER</a>      | Done     | LGPL2.1+ | Wine project<br>Yuri Prokushev                                      |                                   |
|                    | <a href="#">HELPMGR.DLL</a> | Done     | GPL      | NewView project                                                     |                                   |
| PM tools           | <a href="#">VIEW</a>        | Done     | GPL      | NewView project                                                     |                                   |
|                    | <a href="#">FFSTCONF</a>    | None     |          |                                                                     |                                   |
|                    | <a href="#">FFSTPCT</a>     | None     |          |                                                                     |                                   |
|                    | <a href="#">SYSLOG</a>      | None     |          |                                                                     |                                   |
|                    | <a href="#">TRACEFMT</a>    | None     |          |                                                                     |                                   |
| MM tools           | <a href="#">DDINSTAL</a>    | None     |          |                                                                     |                                   |
|                    | <a href="#">PICVIEW</a>     | None     |          |                                                                     |                                   |
| TCP/IP             | <a href="#">Stack</a>       | None     |          |                                                                     |                                   |
| TCP/IP CLI tools   | <a href="#">PING</a>        | None     | BSD      | Patrick Haller, Yuri Prokushev                                      |                                   |
|                    | <a href="#">TRACERTE</a>    | None     | BSD      | Patrick Haller                                                      | Port to OpenWatcom                |
| CMD.EXE            | <a href="#">ATTRIB</a>      | Obsolete | 4OS2     | JP Software                                                         |                                   |
|                    | <a href="#">CLS</a>         | Obsolete | 4OS2     | JP Software                                                         |                                   |
|                    | <a href="#">MD</a>          | Obsolete | 4OS2     | JP Software                                                         |                                   |
|                    | <a href="#">MKDIR</a>       | Obsolete | 4OS2     | JP Software                                                         |                                   |
|                    | <a href="#">VOL</a>         | Obsolete | 4OS2     | JP Software                                                         |                                   |
|                    | <a href="#">TREE</a>        | Obsolete | 4OS2     | JP Software                                                         |                                   |
|                    | <a href="#">VER</a>         | Obsolete | 4OS2     | JP Software                                                         |                                   |

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