

# VLC Playlist from file

These scripts make VLC behave like MPC-HC, ie when you open a file with VLC in a folder, it will automatically add all the files in this folder to the playlist (starting with the opened file, then sorted alphabetically), so that you can use Previous and Next to navigate through the folder.

<https://github.com/x-hgg-x/Utils/tree/master/VLC%20Create%20playlist%20from%20file>

## Usage

**Notes** Due to internal behaviour of VLC, you cannot replace current playlist by another, only append it. Therefore the script must kill existing instances of VLC to launch a new playlist, so it works only when VLC is in one-instance mode.

You may want to activate the loop option in VLC preferences if VLC is configured to play the next track automatically. (Tools → Preferences → Show all settings → Playlist → Repeat current item)

## Linux

Copy vlc.sh in ~/.local/bin directory and mark it executable, then copy the desktop file of VLC /usr/share/applications/vlc.desktop to ~/.local/share/applications/vlc.desktop and change the field Exec to the path of vlc.sh (remove argument -started-from-file %U). Known extensions are stocked in variable \$extensions.

[~/.local/bin/vlc.sh](#)

```
#!/bin/bash

shopt -s extglob
extensions='@(avi|mp4|mkv|m4v|mov|mpg|mpeg|wmv|ogg|flac|m4a|mp3|wav) '
# list of extensions for searching in current directory

# kill other instances of vlc to keep playlist clean (one-instance
mode)
killall vlc; sleep 0.1

# launch empty vlc if no argument provided
if [ -z "$1" ]; then
    vlc; exit
fi

# parse argument
filename=$(realpath -- "$1")
dirname=$(dirname "$filename")
basename=$(basename "$filename")
```

```
# count files with matching extension, and get position of filename in
current directory
n=$(ls "${dirname}"/*.${extensions} -1 2>/dev/null | sort -V | wc -l)
pos=$(ls "${dirname}"/*.${extensions} -1 2>/dev/null | sort -V | grep -
n -F -- "${basename}" | cut -d: -f1)

# if the filename does not have one of the extension above, launch vlc
with provided filename
if [ -z "$pos" ]; then
    vlc -- "${filename}"
    exit
fi

# change positions in playlist such as the first element is the opened
file
ls "${dirname}"/*.${extensions} -1 | sort -V | tail -n$((n-$pos+1)) >
/tmp/vlc.m3u
ls "${dirname}"/*.${extensions} -1 | sort -V | head -n$((pos-1)) >>
/tmp/vlc.m3u

# launch playlist
IFS=$'\n'; read -d '' -r -a files < /tmp/vlc.m3u; vlc "${files[@]}"
```

```
chmod 755 ~/.local/bin/vlc.sh
sed "s#Exec=/usr/bin/vlc --started-from-file
%U#Exec=/home/$USER/.local/bin/vlc.sh#g" /usr/share/applications/vlc.desktop
> ~/.local/share/applications/vlc.desktop
```

## Windows

Copy vlc.ps1 and vlc.bat in your home directory, then you can open your video/audio file with vlc.bat like this :

vlc.bat video.mp4.

You may want to run Set-ExecutionPolicy -Scope CurrentUser -ExecutionPolicy UNRESTRICTED once in a powershell terminal to allow execution of powershell scripts.

You can check if the variable \$vlcPath is correct in vlc.ps1, and modify known extensions with the variable \$Extensions.

### vlc.bat

```
@echo off
powershell -File %USERPROFILE%\vlc.ps1 %1
```

### vlc.ps1

```
Param([string]$filename)

# kill other instances of vlc to keep playlist clean (one-instance
mode)
Stop-Process -Name vlc -ErrorAction SilentlyContinue

$vlcPath = "C:\Program Files (x86)\VideoLAN\VLC\vlc.exe"
$Extensions='(\.avi$|\.mp4$|\.mkv$|\.m4v$|\.mov$|\.mpg$|\.mpeg$|\.wmv$|
\.ogg$|\.flac$|\.m4a$|\.mp3$|\.wav$)'

if ([string]::IsNullOrEmpty($filename)) {& $vlcPath; exit} # launch
empty vlc if no argument provided

# parse argument
$filename = Resolve-Path -LiteralPath $filename
$dirname = Split-Path -LiteralPath $filename
$basename = Get-ChildItem -LiteralPath $filename | ForEach-Object {
$_ .Name }

# count files with matching extension, and get position of filename in
current directory
$filelist = Get-ChildItem -File -LiteralPath $dirname | ForEach-Object
{ $_.Name } | Select-String -Pattern $Extensions | ForEach-Object {
$_ .Line }
$count = $($filelist | Measure-Object -Line).Lines
$position = $filelist | Select-String -Pattern $basename | ForEach-
Object { $_.LineNumber }

# if the filename does not have one of the extension above, launch vlc
with provided filename
if ([string]::IsNullOrEmpty($position)) {& $vlcPath $filename; exit}

# change positions in playlist such as the first element is the opened
file
$filelist | Select-Object -last ($count-$position+1) | ForEach-Object {
"$dirname\" + $_ } > $Env:TMP\vlc.m3u
$filelist | Select-Object -first ($position-1) | ForEach-Object {
"$dirname\" + $_ } >> $Env:TMP\vlc.m3u

# launch playlist
& $vlcPath $(Get-Content $Env:TMP\vlc.m3u)
```

## VLC Delete file option

So put the file in `~/local/share/vlc/lua/extensions`. I call it `DeleteFile.lua`.

When you start VLC you get a new menu item: `View > Detetefile`. It is this last step I was missing.

It now searches for a dir called .waste in the dir of the file and any (grand\*)parent dirs, and moves the file there. So you need to create a dir called .waste.

When you start VLC you get a new menu item: View > Move currently playing file into wastebasket.

## WasteBasket.lua

```
--[[
INSTALLATION (create directories if they do not exist):
- put the file in the VLC subdir /lua/extensions, by default:
* Windows (all users): %ProgramFiles%\VideoLAN\VLC\lua\extensions\
* Windows (current user): %APPDATA%\VLC\lua\extensions\
* Linux (all users): /usr/share/vlc/lua/extensions/
* Linux (current user): ~/.local/share/vlc/lua/extensions/
* Mac OS X (all users):
/Applications/VLC.app/Contents/MacOS/share/lua/extensions/
- Restart VLC.
- The extension can then be found in the menu:
    View > Move current playing file into wastebasket
]]--

--[[ Extension description ]]

function descriptor()
    return { title = "Wastebasket" ;
            version = "0.10" ;
            author = "Mark Morschhäuser/Ole Tange/Wulf Rajek" ;
            shortdesc = "Move current playing file into wastebasket";
            description = "<h1>Wastebasket</h1>"
                .. "When you're playing a file, use Wastebasket to "
                .. "easily move this file to a .waste-dir with one click. "
                .. "<br>This will NOT change your playlist, it will move the file "
                .. "itself. "
                .. "<br>Wastebasket will search for a dir called .waste "
                .. "in the dir of the file and all parent dirs of that.";
            url =
"https://gitlab.com/ole.tange/tangetools/tree/master/wastebasket"
    }
end

--[[ Hooks ]]

-- Activation hook
function activate()
    local filename,dst,wdir = filename_dst_wastedir()
    -- create waste directory if it doesn't exist
    if(not directory_exists(wdir)) then
        os.execute("mkdir " .. dirname(filename) .. wdir)
        wdir = dirname(filename) .. wdir
    end
    if(directory_exists(wdir)) then
```

```
d = vlc.dialog("Wastebasket")
d:add_label("Move <b>.. filename .. "</b> to <b>" .. wdir ..
"</b>?")
d:add_button("Move", delete)
d:add_button("Cancel", close)
d:show()
else
d = vlc.dialog("Wastebasket - no dir found")
d:add_label(".waste is not found anywhere in parent dirs")
d:add_button("Cancel", close)
d:show()
end
vlc.msg.dbg("[Wastebasket] Activated")
end

function filename_dst_wastedir()
-- get the current playing file
local item = vlc.input.item()
-- extract its URI
local uri = item:uri()
-- decode %foo stuff from the URI
local filename = vlc.strings.decode_uri(uri)
-- remove 'file://' prefix which is 7 chars long
filename = string.sub(filename,8)

-- find .waste in parent dirs
local wdir = wastedir(dirname(filename))
return filename,wdir .. "/" .. basename(filename),wdir
end

function wastedir(dir)
-- recursively search for .waste in parent dir

vlc.msg.dbg("[Wastebasket/wastedir] Looking at " .. dir)
local wdir = dir .. "/" .. ".waste"
if directory_exists(wdir) then
    vlc.msg.dbg("[Wastebasket/wastedir] Found wastedir: " .. wdir)
    return wdir
end
-- try the parent dir
local parent = dirname(dir)
if(parent == dir) then
    -- we have reached root (/)
    -- return wdir (which does not exist)
    return wdir
end
vlc.msg.dbg("[Wastebasket/wastedir] parent " .. parent)
if directory_exists(parent) then
    return wastedir(parent)
else
    return parent
end
end
```

```
end
end

function directory_exists(dir)
  -- Simple checker if dir exists
  -- shell quote the dirname
  dir, _ = dir:gsub("([\002-\009\011-\026\\#\?`(){}%[\]^*<>=~|;
\"!$&'\130-\255])", "\\%1")
  dir, _ = dir:gsub("\n", "'\n'")
  return os.execute("cd " .. dir)
end

function deactivate()
  -- Deactivation hook
  vlc.msg.dbg("[Wastebasket] Deactivated")
  vlc.deactivate()
end

function close()
  deactivate()
end

--- Function equivalent to basename in POSIX systems
--@param str the path string
function basename(str)
  local name = string.gsub(str, "(.*)/.*", "%2")
  return name
end

function dirname(str)
  local name = string.gsub(str, "(.*)/.*", "%1")
  return name
end

function delete()
  local filename,dst,wdir = filename_dst_wastedir()
  if(directory_exists(wdir)) then
    vlc.msg.dbg("[Wastebasket]: Move to " .. dst)
    local retval, err = os.rename(filename,dst)
    if(retval == nil) then
      -- error handling; if moving failed, print why
      vlc.msg.dbg("[Wastebasket] error: " .. err)
    end
  else
    d = vlc.dialog("Wastebasket - no dir found")
    d:add_label(".waste is not found anywhere in parent dirs")
    d:add_button("Cancel", close)
    d:show()
  end
  close()
end
```

```

end

-- This empty function is there, because vlc pested me otherwise
function meta_changed()
end

```

## delete.lua

```

--[[
    Copyright 2015-2016 surrim
    https://gist.github.com/PAEz/d3a9be2471dbd39084136d974cdb9dd3
    https://forum.videolan.org/viewtopic.php?f=29&t=108811
    https://superuser.com/questions/721112/vlc-how-to-delete-file-on-disk#
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    GNU General Public License for more details.
    You should have received a copy of the GNU General Public License
    along with this program. If not, see
    <http://www.gnu.org/licenses/>.
]]--

function descriptor()
    return {
        title = "VLC Delete";
        version = "0.1";
        author = "surrim";
        url = "https://github.com/surrim/vlc-delete/";
        shortdesc = "Remove current file from playlist and disk";
        description = [[
<h1>vlc-delete</h1>
When you're playing a file, use VLC Delete to
delete the current file from your playlist and <b>disk</b> with one
click.<br>
This extension has been tested on GNU Linux with VLC 2.1.5.<br>
The author is not responsible for damage caused by this extension.
        ]];
    }
end

-- Windows - Check if file exists
function fileExists(file)
    return io.popen("if exist "..file.." (echo 1)":read'*l'=='1'

```

```
end

function sleep(n) -- seconds
    local t0 = os.clock()
    local tOriginal=t0
    while os.clock() - t0 <= n and os.clock()>=tOriginal do end
end

-- Windows - try and delete a file with multiple attempts and a pause
between each try - waiting for the file to unlock
function windowsDelete(file,trys,pause)
    if not fileExists('"'..file..' "') then return nil,'File does not
exist' end
    for i = trys,1,-1
    do
        retval, err = os.remove(file)
        --retval, err = os.execute('del ' .. file )
        if retval==true then
            return true
        end
        sleep(pause) -- wish i had a better timer than one second, want
misc.mdate..could just bash it but you shouldnt ever wait more than one
second so meh
    end
    return {nil,'Unable to delete file'}
end

function removeItem()
    local id = vlc.playlist.current()
    vlc.playlist.delete(id)
    vlc.playlist.gotoitem(id + 1)
    vlc.deactivate()
end

function activate()
    local item = vlc.input.item()
    local uri = item:uri()
    uri = string.gsub(uri, '^file:///', '')
    uri = vlc.strings.decode_uri(uri)
    vlc.msg.info("[vlc-delete] removing: " .. uri)
    -- check for non windows
    if (package.config:sub(1,1) == "/") then
        retval, err = os.execute("trash-put --help > /dev/null")
        if (retval ~= nil) then
            uri = "/" .. uri
            retval, err = os.execute("trash-put \"" .. uri .. "\"")
        else
            retval, err = os.execute("rm --help > /dev/null")
        end
    end
end
```

```
        if (retval ~= nil) then
            uri = "/" .. uri
            retval, err = os.execute("rm \"" .. uri .. "\"")
        end
    end
    if (retval ~= nil) then removeItem() end
else
    --windows, remove from playlist first so the file isnt locked
by vlc
    removeItem()
    uri = string.gsub(uri, "/", "\\")
    retval, err = windowsDelete(uri,3,1)
end

    if (retval == nil) then
        vlc.msg.info("[vlc-delete] error: " .. err)
        d = vlc.dialog("VLC Delete")
        d:add_label("Could not remove \"" .. uri .. "\"", 1, 1, 1, 1)
        d:add_label(err, 1, 2, 1, 1)
        d:add_button("OK", click_ok, 1, 3, 1, 1)
        d:show()
    end
end

function click_ok()
    d:delete()
    vlc.deactivate()
end

function deactivate()
    vlc.deactivate()
end

function close()
    deactivate()
end

function meta_changed()
end
```

<https://superuser.com/questions/721112/vlc-how-to-delete-file-on-disk>

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