

ACF-Plugin – New Feature: Drag and Drop Files

To make the user interface more intuitive when selecting files, drag-and-drop support enhances the overall experience. This is a new capability in **ACF-Plugin v1.7.7.4** that is both flexible and easy to implement.

New Plugin Functions

The drag-and-drop feature is controlled by two new functions, which can be called directly from a **Set Variable** script step:

- `ACF_DefineDragAndDrop ($$Coords ; "ReceiveDroppedFilesScript" ; $$DandDconfigJSON)`
- `ACF_RemoveDragAndDrop (1)`

Required Scripts

To use drag-and-drop, you typically need three small scripts:

1. Define the drag-and-drop area

- You can get the coordinates from any field on your layout, or specify them manually.
- Example:

```
FieldBounds ( "" ; "DandDFiles" ; "DropArea" )
```

This provides the required parameters for `$$Coords`.

- The next parameter is the callback script name. This script receives a list of dropped file paths (in POSIX format).
- You can convert the paths to FileMaker format with:

```
ConvertToFileMakerPath ( $file ; PosixPath )
```

2. The callback script

- Handles the list of dropped files passed as script parameters.

3. Remove the drag-and-drop handler

- Call this when the handler is no longer needed, e.g. when exiting a layout or switching tabs.

Styling the Drop Area

The drop area can be styled with a JSON configuration object. You can control colors, tints, drag effects, directory handling, and accepted file types.

Example configuration:

```
{
```

```

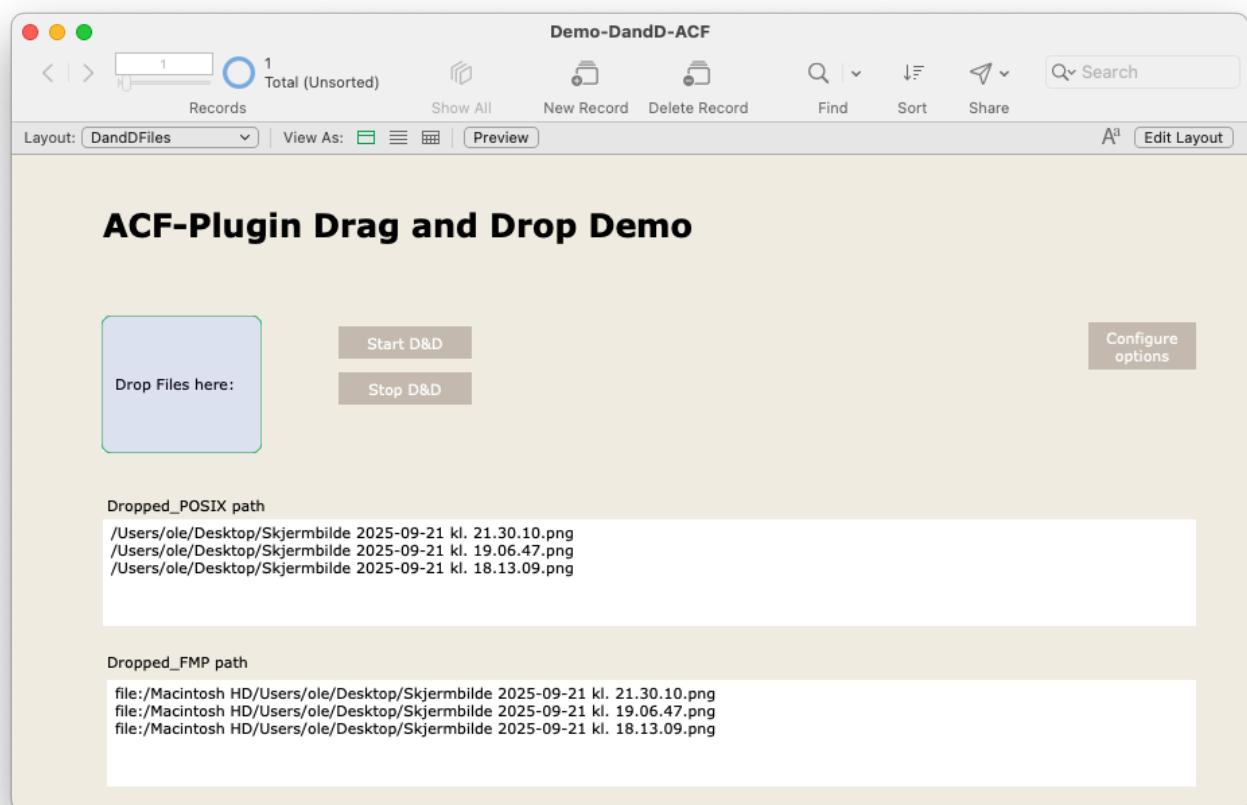
"allowDirectories": false,
"border": true,
"debug": false,
"dragOpacity": 0.25,
"extensions": [
    "pdf", "png", "jpg", "xlsx", "docx",
    "jpeg", "zip", "pptx", "doc", "rtf",
    "md", "html", "eml"
],
"highlight": true,
"highlightColor": "navy",
"opacity": 0.12
}

```

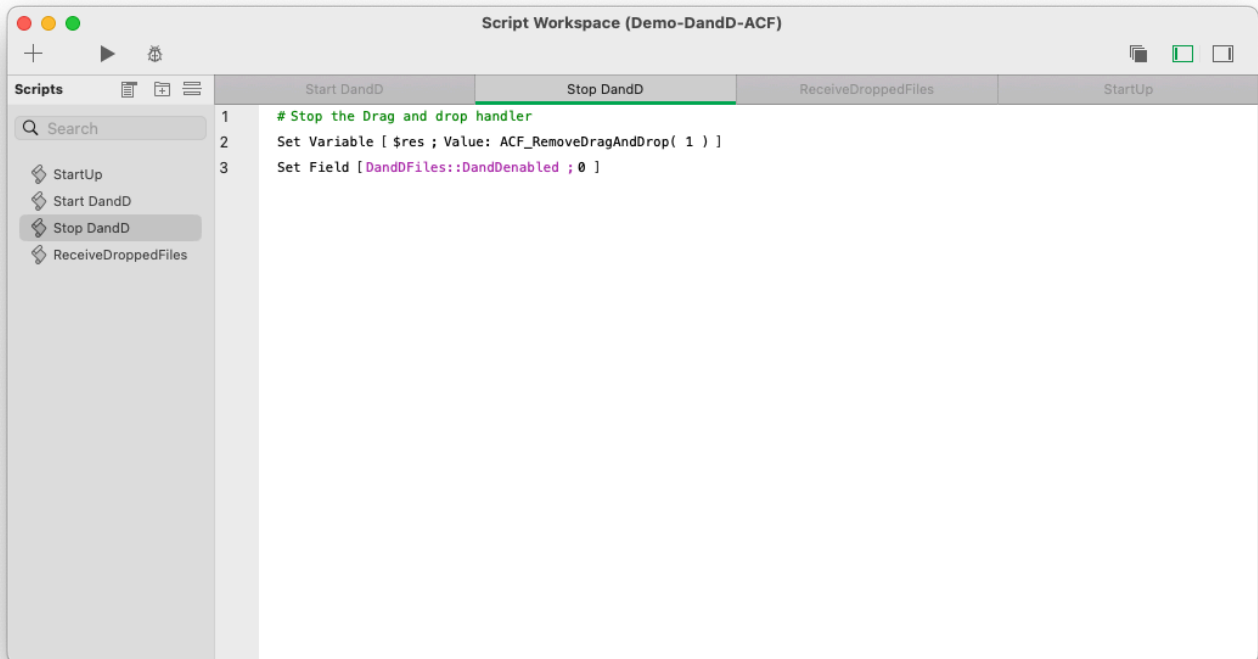
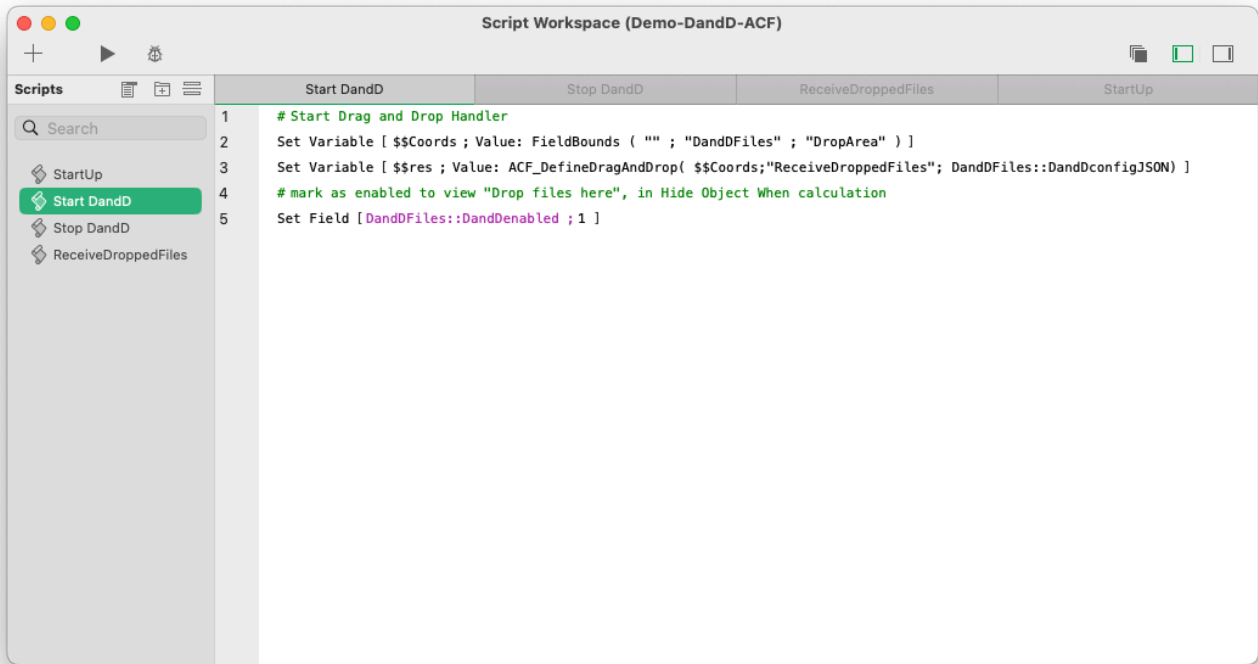
Demo Application

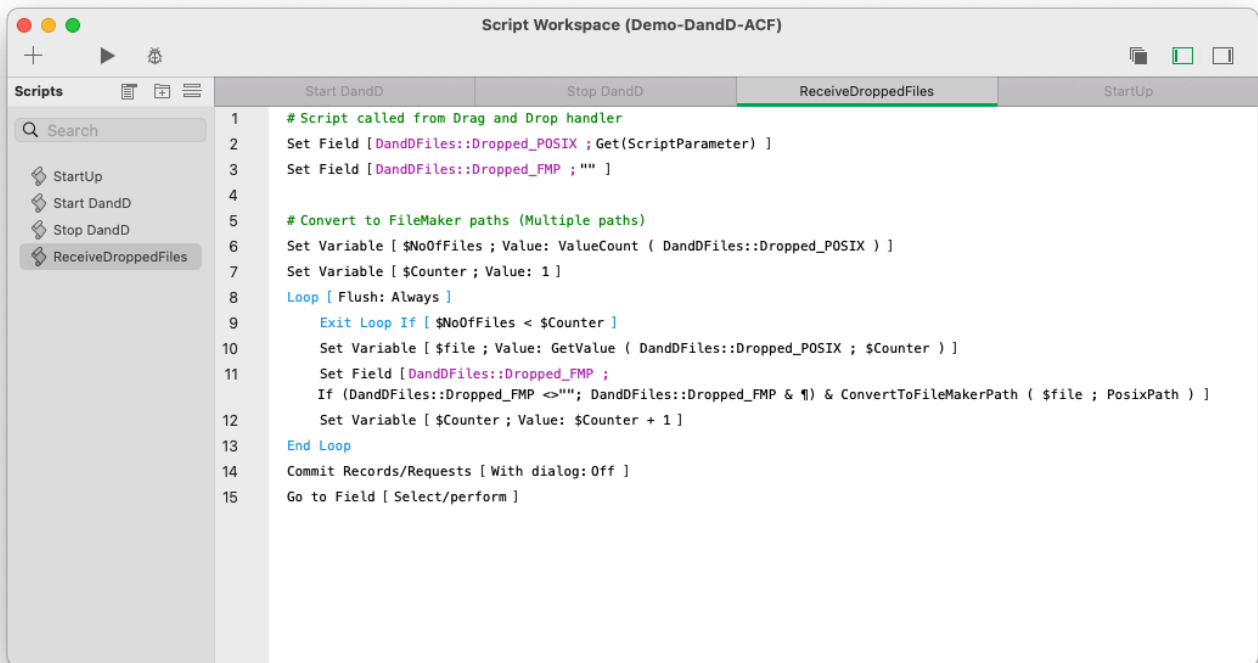
We provide a demo app to showcase the drag-and-drop functionality. It is a small solution intended only for demonstration.

You can download it along with the latest ACF-Plugin.



The demo contains three small scripts:





Extended Privilege (FileMaker 19+)

For solutions created in FileMaker Pro 19 or later, you may need to enable an additional privilege to allow the plug-in to launch the “receive drop” script.

If the callback script is not triggered when files are dropped, check this setting:

1. Open the solution in FileMaker Pro.
2. Go to **Manage** → **Security**.
3. Edit the relevant user's **Privilege Set** (pencil icon).
4. Under **Extended Privileges**, enable “**Validate cross-file plug-in access (fmplugin)**”.

Like this:

Edit Privilege Set

Choose privileges and save them as a "Privilege Set," which can be used by one or more accounts. If you edit a set, all accounts that use it will be affected.

Privilege Set Name [Full Access] **Description** access to everything

Data Access and Design

Records: Create, edit, and delete in all tables

Layouts: All modifiable

Value Lists: All modifiable

Scripts: All modifiable

Extended Privileges

- ☐ Access via PHP Web Publishing - FMS only (fm...)
- ☐ Allow Apple events and ActiveX to perform File...
- ☐ Allow URLs to run FileMaker scripts (fmurlscript)
- ☐ Access via FileMaker Data API (fmrest)
- ☐ Access via OData (fmodata)
- ☒ **Validate cross-file plug-in access (fmplugin)**

To add, edit or delete Extended Privileges, use the tools in the Extended Privileges tab.

Other Privileges

- ☒ Allow printing
- ☒ Allow exporting
- ☒ Manage extended privileges
- ☒ Manage accounts that don't have Full Access
- ☒ Allow user to override data validation warnings
- ☐ Disconnect user from server when idle
- ☒ Allow Open Quickly access to layouts and scripts
- ☒ Allow user to modify their own password
 - ☐ Must be changed every 30 days
 - ☐ Minimum password length: 5 characters

Available menu commands: All

Cancel OK

Once this is set, drag-and-drop will work as expected. 🎉