Utility Script Pack 2.1 for Bridge

About

Utility Script Pack is an open source, free set of scripts and support files which extend and add capabilities to Adobe Bridge. These scripts are written in JavaScript/ExtendScript and are cross-platform for both Mac and Windows. All except Label Bar should work in Bridge 8.0 and later, but they are optimized and tested for Bridge 9.0 and later.

Utility Script Pack is hosted on Adobe Exchange and developmental versions may be available on my personal DropBox.

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Development/Modifications

Users are encouraged to modify and extend this software, within the terms of the License. I originally began developing these scripts for production use as a product photographer and they exist to fit my needs. My time for development is limited but I may release updates and bug fixes from time to time.

Installation

The entire Utility Script Pack folder is installed into Bridge Startup Scripts folder.

Launch Bridge, open Preferences, and select Startup Scripts. Click the Reveal button to open the Startup Scripts folder. Delete any old Utility Script Pack 1.0 items (JPEG MultiExport, Text Preview, Folder List Export, Folder Info) and any previous Utility Script Pack folders as they will conflict with the newer scripts. Drag the Utility Script Pack into Startup Scripts folder, then quit and relaunch Bridge.

You will be asked to enable each included script when Bridge relaunches. Individual scripts can be enabled or disabled in the Startup Scripts Preferences.

The images folder is required by Label Bar and Utility Pack Preferences Panel. The "prefsReader.jsxinc" file is required by all scripts and should not be deleted or moved. Other scripts can be removed or disabled if not used.

Preferences

Script Pack settings are stored in the "Utility Script Pack Preferences.xml" file. This file is saved inside the Utility Script Pack folder on Windows, and in the User Preferences folder on Mac. If the preferences file is deleted, default preferences will be automatically loaded. Preferences version is checked when Bridge is launched; if a newer version is required, old preferences are deleted and newer default preferences loaded. This may change in a future update.

JPEG MiniExport has its own preferences file which is saved in the Utility Script Pack folder. If this file is deleted, default preferences will be loaded.

Scripts

Batch

Adds the Tools->Photoshop->Batch command to the file contextual menu. Only enabled if Photoshop is installed and the Batch command is available.

Usage:
Select one or more files which are readable in Photoshop then select Batch in the contextual menu. This is identical to using the built-in Batch command.

Copy Path

Copies the selected file/folder path to the system clipboard. If multiple items are selected, only copies the first path.

Usage:
Select a file and then this command.

Filename to Title

Writes filename (minus file extension) into dc:title XMP metadata field.

Usage:
Select one or more files, then this command.

Find in Collections

Searches all regular collections for a selected file and allows file to be removed from any collection. This does not find files in Smart Collections.

Usage:
Select any one file then this command. If the file is a member of any collection, a window will display the collection name(s). Select collection name(s) and click Remove to remove the file from the collection(s).

Folder Info

Displays a panel that can show summary information about a selected folder. Recursively walks through all subfolders to calculate total size and number of files and folders.

Usage:
Select this command to show the panel. Select a folder and click the Info button. Bridge will display folder info once the folder totals have been calculated. Uncheck the Ignore box to include BridgeSharedCache folders in the summary. Unchecking this box can add significantly to the time required to display info.

Folder List Export

Exports a listing of the current folder to a tab-delimited text file. Configurable to include Label, Rating, Dimensions, File Size, Created Date, Modified Date, and Keywords. Keywords can be concatenated into a single item per file or separated by tabs. Stacks are listed as well.

A category window can be optionally shown when selecting the Folder List Export menu item. Enable the checkbox in Utility Script Pack Preferences or hold down the Cmd/Ctrl key when selecting the menu item.

Usage:
Configure categories in the Utility Script Pack Preferences Panel if desired. Select

any folder containing files or subfolders, then this command (hold Cmd/Ctrl to show the category window.) Choose the name and location for the exported text file.

If the target folder or collection is still loading, Folder List Export will show a window allowing the list export to be cancelled. If not cancelled, the window will auto-close and export will proceed once folder loading finishes.

To ensure that the exported list is complete, let the folder completely load before running Folder List Export. This is a limitation of Bridge.

JPEG MiniExport

Replacement for the Export module in older versions of Bridge, and a cutdown, simplified version of the previous JPEG MultiExport. This is a full-featured script which allows export from Bridge to JPEG. Export quality, size, folder, and metadata are configurable. JPEG MiniExport will not run if JPEG MultiExport is also loaded.

Supported file formats are PSD, PSB, JPEG, PNG, TIFF, GIF, BMP, PDF, AI, DNG, CR2, NEF, ARW. Settings can be saved to disk and loaded if desired.

Usage:
Select one or more image files in Bridge then this command. Set the options as desired in the script window then click Export.

Settings:

Export Quality
Choose the desired export JPEG quality. Higher setting is better quality but larger filesize.

Image Size
Choose the desired dimensions for each exported JPEG file. An original size file and up to three reduced size files can be exported at one time. "Constrain to" sets the longest side in pixels.

Copy Metadata
Choose the set of metadata to copy from the source files to the exported JPEG files. "All" will copy all XMP data. "IPTC Only" will copy IPTC and TIFF data. "None" will not copy any XMP data.

Export Folder
Choose the desired folder to save exported JPEG files. Subfolders will be automatically created for each exported image size. "Current" selects the folder currently displayed in the active Bridge browser window. Default export folder is the Desktop.

Save Log File
Will save a plain text log of processed files and status (exported or skipped.)

Auto-close
Will close the script window once export is complete. Otherwise, a notice will pop up that export is complete and allow closing the script window.

Keyword Optimizer

Works around a bug in Bridge and Photoshop where keywords may not be correctly written to both the dc:subject and lr:hierarchicalSubject namespaces. A file may have duplicate or missing keywords in one or both namespaces.

Keywords are copied from selected file(s), sorted alphabetically, duplicates removed, then written back out to the file(s).

The MicrosoftPhoto namespace is not supported and keywords there are ignored.

Usage:
Select one or more files containing keywords then this command.

Label Bar

Places a graphical label and rating bar in the Bridge browser window, similar to the toolbar in Lightroom. This bar can be configured to load at Bridge startup and can be placed at the top or bottom of the window.

Usage:
If Label Bar is not loaded at Bridge startup, select this command. Label Bar can be closed by clicking the Close button and reopened by selecting the menu command. To change between top and bottom display, select the desired setting in Utility Script Pack Preferences then quit and relaunch Bridge.

MultiSearch Plus

Allows searching for multiple terms sequentially, using the QuickSearch feature. Creates a palette to step through a list of terms one by one instead of having to type in each term individually.

Usage:
Create a plain text (.txt) file of search terms, one per line. Open the folder to be searched in the Bridge browser window. Select this command and then the desired search term file.

Use the search palette Find Next and Find Previous buttons to move through the list of terms one by one. Jump to a specific line in your search term file by typing in the number and clicking Find Next.

To start a new search, open a new search term file.

Text Preview/Video Info

Adds a text preview and video info panel to the Bridge window. With a plain text file selected, displays the contents. With a video file selected, displays video metadata. This panel can be configured to load at Bridge startup and can be resized and moved around the browser window like any other panel.

Usage:
With the Text Preview panel opened, select any one plain text or video file in the Bridge browser. The text or video metadata will be displayed in the panel.

Text Preview panel can be closed and reopened from the Window menu or by right-clicking in the Bridge window. It can be dragged to a different part of the window to reposition.

Preference Panel

Settings/Info:
Click the radio buttons to display the corresponding sections of this preference panel.

Enabled Scripts:
List of script pack items. Checkbox indicates enabled. Enabled/disable individual scripts in the Startup Scripts Panel.

Help:
Opens this file.

Reset All:
Resets script pack preferences to defaults. However, this does not reset JPEG MultiExport preferences which are separate and handled within that palette.

Folder List Export:
Selection of which file metadata categories are included in the exported text file.

"Concatenate keywords" option places all keywords in one string instead of having each one separated by tabs.

"Always show category window" option controls display of the category chooser

dialog when selecting the Folder List Export menu command.

Label Bar, Text Preview/Video Info, and File Info:
Choose whether to open the Label Bar, Text Preview/Video Info, and/or File Info panels when Bridge starts up. These items will load once thumbnails in the current window are fully loaded.

Choose location for opening each item. The Text Preview/Video Info and File Info panels can be closed, reopened, and moved to different parts of the Bridge browser window. The Label Bar can be closed and reopened in the same location (top or bottom.) To move the Label Bar between top and bottom, quit and relaunch Bridge.

Menu:
Choose whether to group scripts in a Tools submenu and/or a contextual submenu.

Known Issues

These scripts rely entirely on Bridge features and scripting support. Unfortunately, this scripting support is buggy and poorly documented in many places. Also, Bridge has limitations and can perform poorly with large folders or across a network. I have worked around problems where possible but some issues must be fixed by Adobe.

Bridge does not have a built-in command similar to "Get Info" or "Properties" that calculates total size for a folder. Folder Info implements this functionality but can be slow for large folders or across a network. BridgeSharedCache folders (invisible in Bridge) can be ignored. Counting shared cache can take MUCH longer as there are typically 4x as many files to count. See https://helpx.adobe.com/bridge/using/centrally-manage-bridge-cache.html for more info about shared cache.

Folder List Export and JPEG MiniExport may not work with certain system folders due to bugs in Bridge. I try to work around this but for some folders, the path shown may be non-standard or unusual, or those folders will not be selectable as a location.

Bridge can be slow to load folders containing thousands of files. Folder List Export tries to work around this by waiting until a folder is fully loaded. You will see a small info window allowing the list export to be cancelled. If the folder has actually loaded, you can proceed with the export as well.

I have replaced JPEG MultiExport with a cutdown, simplified palette called JPEG MiniExport. It works the same way but removes colorspace, custom filenames, saved presets, and metadata templates. JPEG MiniExport will display an error and not run if JPEG MultiExport is loaded. Please disable one or the other.

JPEG MiniExport sometimes cuts off one pixel or incorrectly rounds down the dimensions of an exported JPEG due to a Bridge bug. (For example, a 5:4 dimension

source file will sometimes incorrectly export to 1000x799 pixels in some cases.)

JPEG MiniExport only exports the first page of a multi-page PDF.

Most preference setting changes are applied after relaunching Bridge. However, Folder List Export uses the current export options which can be changed while Bridge is running.

Label Bar cannot run if any images are missing. Label Bar also will not run on Bridge CC 2018 or earlier due to UI changes and Bridge bugs. Top/bottom position of Label Bar cannot be changed without quitting and relaunching Bridge.

Label Bar, Text Preview/Video Info, and Folder Info, if set to load at startup, will be available once thumbnails in the current window are fully loaded. This may take some time if Bridge is showing a folder or collection containing a large number of files. If Bridge is launched to an empty folder, neither will display until switching to a folder containing at least one item.

Bridge CC 9.1 switched to square label icons, while Label Bar uses the older round label images. This is purely cosmetic and I have no plans to change it.

Keyword Optimizer does not process keywords saved in the MicrosoftPhoto namespace. It works around a bug in keyword entry which can occur if using the File Info window in Bridge or Photoshop to add keywords. Adobe has additional information on how keywords are handled at
https://helpx.adobe.com/bridge/kb/nested-hierarchal-keywording-bridge.html

MultiSearch Plus uses the Bridge Quick Search feature (upper right corner of the Bridge browser) which sometimes does not find files reliably. Adobe is aware of search limitations.

Smart Collections are not well-supported for scripting. Most functionality only works with regular Collections.

I have incorporated the functionality of Video Info into Text Preview, so text file contacts or video metadata are displayed for supported files.

Obsolete (Utility Pack 1.0/2.0) Scripts

All previous versions of Folder Info, Folder List Export, and Text Preview have been updated and superseded with new versions included in Utility Script Pack 2.1. Please remove the older versions when installing the new Script Pack.

JPEG MultiExport has been replaced with JPEG MiniExport (a simplified version.) Both cannot be loaded at one time as they will conflict.

Open Directly can still be used if desired; you can also hold down the Shift key to open files directly into Photoshop (bypassing ACR for RAW files.)

Privacy/Data Collection

JPEG MiniExport stores the locations of the previous export and log file in its preference file so those locations can be automatically reused. Otherwise Utility Script Pack 2.1 does not collect or store identifiable data. Utility Script Pack 2.1 does not transmit data.