Triggers
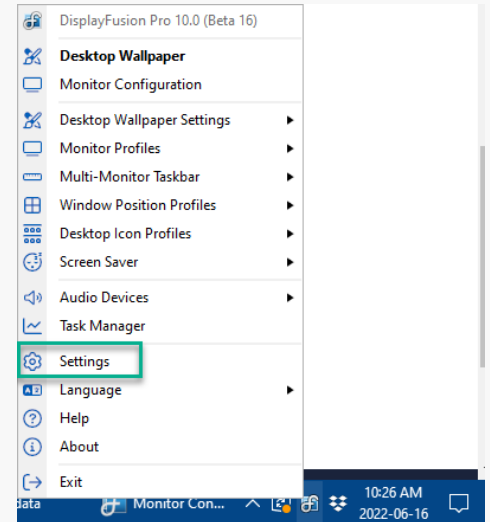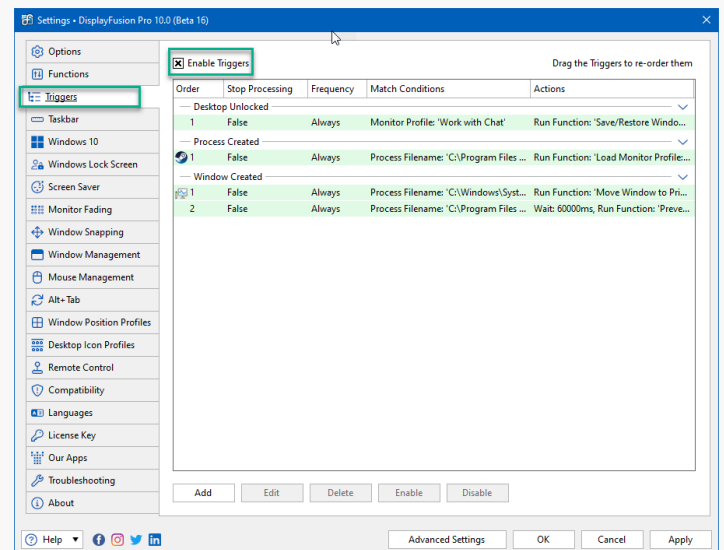
Triggers

DisplayFusion Triggers are a powerful and versatile way to automate your window management tasks. This document details the configuration options for Triggers and showcases several examples.
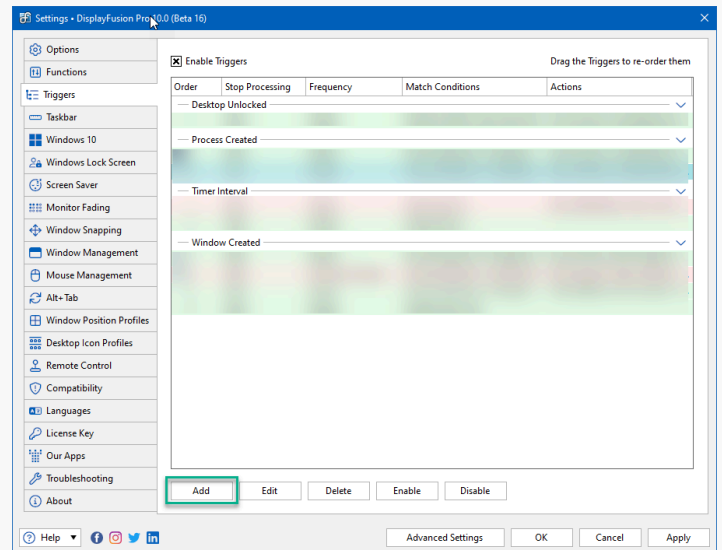
To navigate to DisplayFusion's Triggers, right-click on the DisplayFusion tray icon and click "Settings."

Click on the "Triggers" tab and ensure the "Enable Triggers" checkbox is enabled. *Individual Triggers can be enabled/disabled by selecting them from your list and using the "Enable" and "Disable" buttons at the bottom of the Triggers window.*

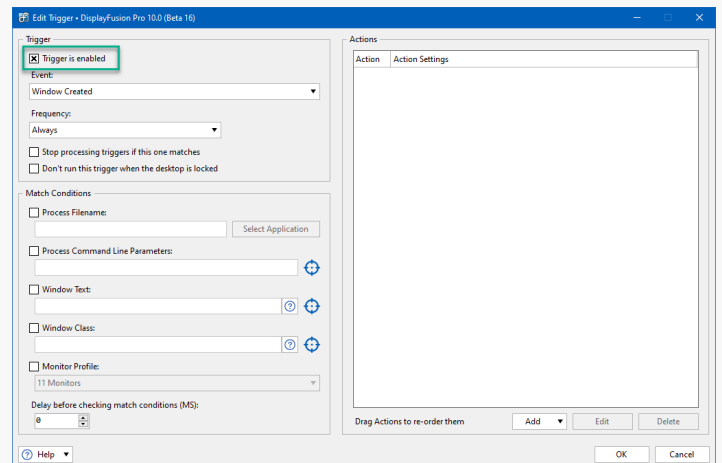To begin with a new Trigger, click the "Add" button.

Every Trigger needs an Event to initiate it and at least one Action to perform. Other requirements and restrictions can be applied via the many Trigger Options and Match Conditions as detailed in the sections below.
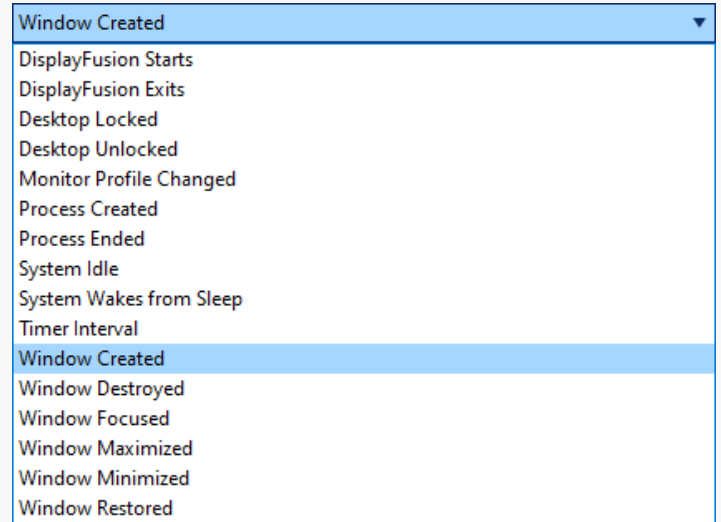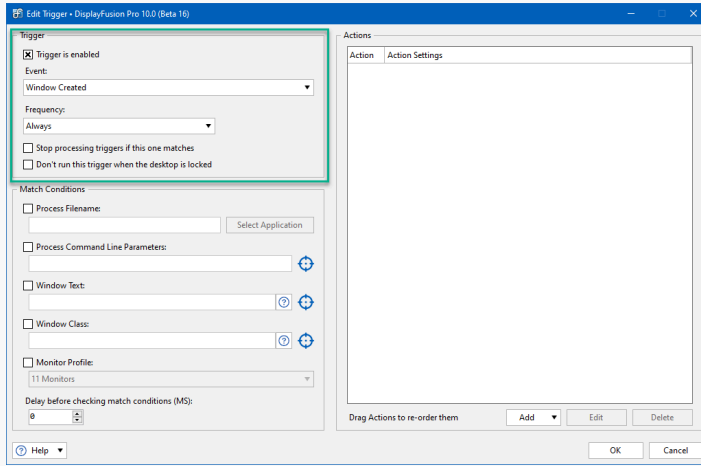
Trigger Options

Trigger is enabled

By default, the Trigger is enabled. You can disable it by disabling this checkbox.

Event

Events are what initiate the Trigger's actions. Some Event selections will require more details in the Match Conditions pane of the Edit Trigger window. Below are the current Event options:

Each Event can be set for use with a specific Monitor Profile using the relevant options in the Match Conditions pane.

Event	Definition	Additional Options	Match Conditions Requirements
DisplayFusion Starts	This will initiate the Trigger when the DisplayFusion software runs.	Don't run this trigger when the desktop is locked	None
DisplayFusion Exits	This will initiate the Trigger when the DisplayFusion software is stopped.	Don't run this trigger when the desktop is locked	None
Desktop Locked	This will initiate the Trigger when the Windows desktop is locked.	None	None
Desktop Unlocked	This will initiate the Trigger when the Windows desktop is unlocked.	None	None
Monitor Profile Changed	This will initiate the Trigger when DisplayFusion changes its Monitor Profile. *Monitor Profiles are managed from the Monitor Configuration section accessed via the Options tab of DisplayFusion Settings.*	Don't run this trigger when the desktop is locked	None
Process Created	This will initiate the Trigger when a Process runs.	Frequency, Stop processing triggers if this one matches, Don't run this trigger when the desktop is locked, Process Filename, Process Command Line Parameters, Delay before checking	Requires a Process Filename entry.

Process Ended	This will initiate the Trigger when a Process stops.	Frequency, Stop processing triggers if this one matches, Don't run this trigger when the desktop is locked, Process Filename, Process Command Line Parameters, Delay before checking match conditions	Requires a Process Filename entry.
System Idle	This will initiate the Trigger when the system is marked as idle. *DisplayFusion uses the built-in Windows idle timer for System Idle Events.*	Idle Timeout, Don't run this trigger when the desktop is locked	None
System Wakes from Sleep	This will initiate the Trigger when the system wakes from sleep.	Don't run this trigger when the desktop is locked	None
Timer Interval	This will initiate the Trigger on a regular interval.	Interval (required), Don't run this trigger when the desktop is locked	None
Window Created	This will initiate the Trigger when a window is created.	Frequency, Stop processing triggers if this one matches, Don't run this trigger when the desktop is locked, Process Filename, Process Command Line Parameters, Window Text, Window Class, Delay before checking match conditions	Requires a Process Filename, Window Text, OR Window Class entry.
Window Destroyed	This will initiate the Trigger when a window is destroyed (closed).	Frequency, Stop processing triggers if this one matches, Don't run this trigger when the desktop is locked, Process Filename, Process Command Line Parameters, Window Text, Window Class, Delay before checking match conditions	Requires a Process Filename, Window Text, OR Window Class entry.
Window Focused	This will initiate the Trigger when a window is focused on.	Frequency, Stop processing triggers if this one matches, Don't run this trigger when the desktop is locked, Process Filename, Process Command Line Parameters, Window Text, Window Class, Delay before checking match conditions	Requires a Process Filename, Window Text, OR Window Class entry.
Window Maximized	This will initiate the Trigger when a window is maximized.	Frequency, Stop processing triggers if this one matches, Don't run this trigger when the desktop is locked, Process Filename, Process Command Line Parameters, Window Text, Window Class, Delay before checking match conditions	Requires a Process Filename, Window Text, OR Window Class entry.

Window Minimized	This will initiate the Trigger when a window is minimized.	Frequency, Stop processing triggers if this one matches, Don't run this trigger when the desktop is locked, Process Filename, Process Command Line Parameters, Window Text, Window Class, Delay before checking match conditions	Requires a Process Filename, Window Text, OR Window Class entry.
Window Restored	This will initiate the Trigger when a window is restored.	Frequency, Stop processing triggers if this one matches, Don't run this trigger when the desktop is locked, Process Filename, Process Command Line Parameters, Window Text, Window Class, Delay before checking match conditions	Requires a Process Filename, Window Text, OR Window Class entry.

Additional Trigger Options

Option	Definition	Dependency	Required?
Don't run this trigger when the desktop is locked	This Trigger will not run when the Windows desktop is in the locked state	Available for all Events except for Desktop Locked/Unlocked	No
Frequency	Configures how often the Trigger is run per instance (options: Always, Once-per-Process ID, Once-per-Process Name, Once-per-Window)	Limited to Process Created, Process Ended, Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	Yes (Default Always)
Stop Processing triggers if this one matches	When this Trigger is run, subsequent matching Triggers will not run.	Limited to Process Created, Process Ended, Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	No
Idle Timeout (sec)	Once the system has gone idle, the Trigger will delay this number of seconds before running any of the Trigger's actions.	Limited to System Idle Event	Yes (Requires a value of 1 or more)
Interval	A delay in seconds before running any of the Trigger's actions.	Limited to Timer Interval Event	Yes (Requires a value of 1 or more)

Match Conditions

Edit Trigger • DisplayFusion Pro 10.0 (Beta 16)

Trigger

☒ Trigger is enabled

Event:

Window Created

Frequency:

Always

☐ Stop processing triggers if this one matches

☐ Don't run this trigger when the desktop is locked

Match Conditions

☐ Process Filename:

[   ] [Select Application]

☐ Process Command Line Parameters:

[   ] ⊕

☐ Window Text:

[   ] ⑦ ⊕

☐ Window Class:

[   ] ⑦ ⊕

☐ Monitor Profile:

11 Monitors

Delay before checking match conditions (MS):

0

Actions

Action	Action Settings

Drag Actions to re-order them   [Add ▼] [Edit] [Delete]

⑦ Help ▼   [OK] [Cancel]

When Process and Window Match Conditions are made available, at least one will need to be populated to save the Trigger.

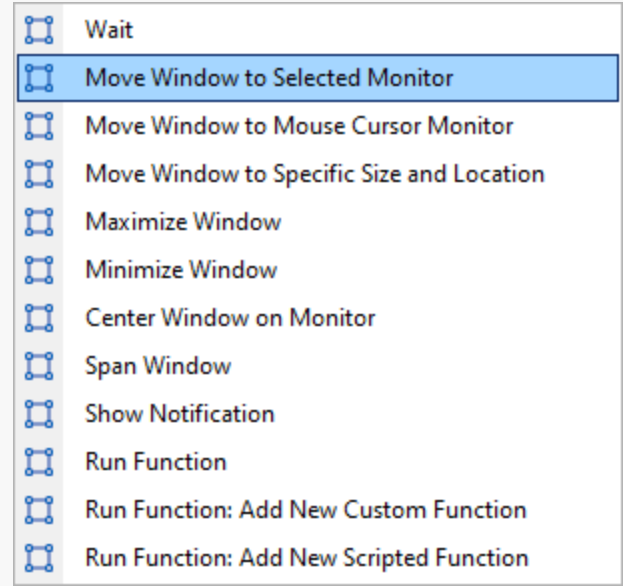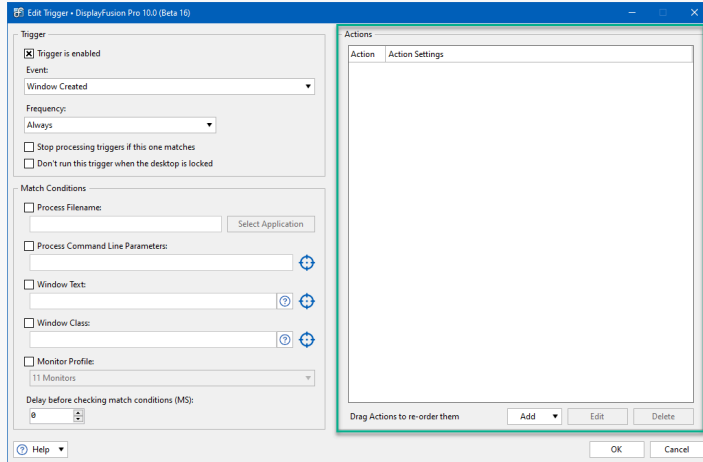| Condition	Definition	Dependency	Required?
Process Filename	Limits the Trigger to a specific application (Enable the checkbox and use the Select Application button to choose. Wildcard usage is acceptable, e.g. C:\Applications*, or *.*)	Limited to Process Created, Process Ended, Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	No
Process Command Line Parameters	Limits the Trigger to Applications with specific Parameters (Enable the checkbox to use. Drop the blue target icon onto windows to auto-populate or reference the Windows Task Manager Command Line column for a running process)	Limited to Process Created, Process Ended, Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	No
Window Text	Limits the Trigger to Applications with specific window Titles (Enable the checkbox to use. Drop the blue target icon onto windows to auto-populate. Multiple entries can be added with a space between each. For other options, see **Text Queries**.)	Limited to Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	No
Window Class	Limits the Trigger to Applications with specific window Classes. (e.g. dialogs, settings windows, etc. Enable the checkbox to use. Drop the blue target icon onto windows to auto-populate. Multiple entries can be added with a space between each. For other options, see **Text Queries**.)	Limited to Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	No
Monitor Profile	Limits the Trigger to a specific Monitor Profile. (Enable the checkbox and select a profile to use.)	Available for all Events	No
Delay before checking match conditions (MS)	Sets a delay in milliseconds before checking any set Match Conditions.	Limited to Process Created, Process Ended, Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	No

Actions

The Actions are what the Trigger performs when initiated. The Actions are performed in the order presented, but can be re-ordered by dragging them into new positions in the Actions pane.
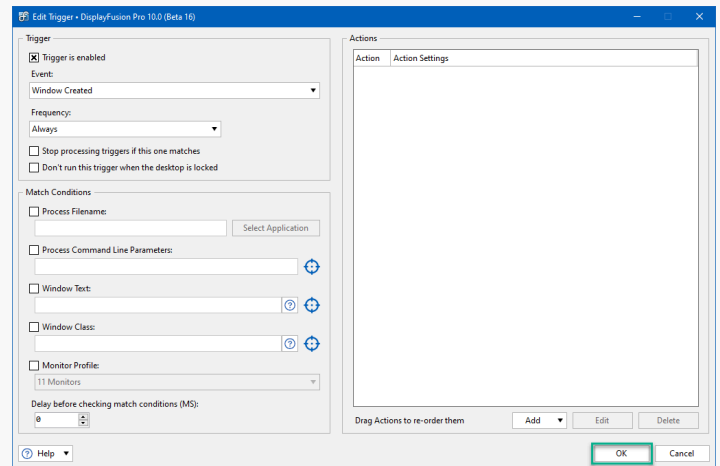
To add Actions, click the "Add" dropdown and select from the Action options. Some options will bring up a window for additional settings. Use the Edit and Delete buttons to edit and delete Actions from the list.

Action	Definition	Dependency	Additional Options
Wait	Sets a delay in milliseconds before the next Action is run (Requires a value of 1 or more).	Available for all Events	None
Move Window to Selected Monitor	Moves the window matching the conditions to a specific monitor.	Limited to Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	Choice of monitor (required)
Move Window to Mouse Cursor Monitor	Moves the window matching the conditions to the monitor where the mouse cursor is located.	Limited to Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	None
Move Window to Specific Size and Location	Moves the window matching the conditions to a specific location and size. (Drop the blue target icon on the window to auto-populate the size and location.)	Limited to Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	Size and Location Values (required), Maximize Window

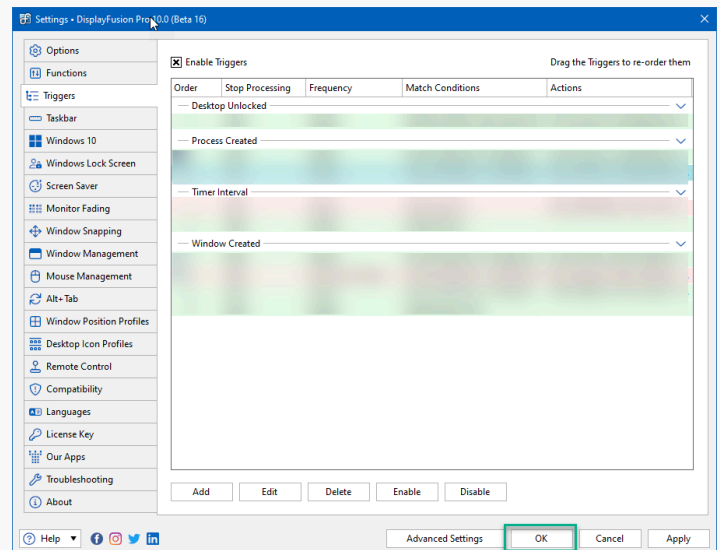| Maximize Window	Maximizes the window matching the conditions.	Limited to Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	None
Minimize Window	Minimizes the window matching the conditions.	Limited to Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	None
Center Window on Monitor	Centers the window matching the conditions on its current monitor.	Limited to Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	None
Span Window	Maximizes the window matching the conditions across all monitors.	Limited to Window Created, Window Destroyed, Window Focused, Window Maximized, Window Minimized, Window Restored Events	None
Show Notification	Displays a notification. (Uses Windows notification system.)	Available for all Events	Notification text
Run Function	Runs a pre-defined DisplayFusion function.	Available for all Events	Function select from dropdown (Required)
Run Function: Add New Custom Function	Runs a user-customized DisplayFusion function. For more detail, see **Custom Functions**	Available for all Events	Name (Required), Function Action (Required), Action configuration (Required), HotKey Combination
Run Function: Add New Scripted Function	Runs a user-scripted DisplayFusion function.	Available for all Events	Language (Required), Name (Required), HotKey Combination, Description, Custom Code

Click "OK" to save the Trigger.

Saved Triggers

Once a Trigger is configured and saved, it will appear in the Triggers tab list. By selecting a Trigger, you can then edit, delete, enable, and disable it using the buttons at the bottom of the tab window. Triggers within the same Event grouping (e.g. Process Created) will run in the order listed, but can be re-ordered by dragging the Trigger into a new position.

To save and apply any changes, click the "OK" button at the bottom of the Settings window.

About DisplayFusion

DisplayFusion gives users power and precision over their multi-monitor setup, with automation and customization options to create the perfect displays, every time.

To learn more about DisplayFusion, visit: **https://www.displayfusion.com**

About Binary Fortress Software

Binary Fortress has spent 17 years in pursuit of one goal: create software to make life easier. Our software ranges from display management and system enhancement utilities to monitoring tools and digital signage. IT administrators, professional gamers, coffee-shop owners, and MSPs all rely on Binary Fortress to make their days better, and their lives easier.

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