

POWER AUTOMATE CHEAT SHEET



The What and Why of Trigger Conditions

A trigger condition is a feature that allows you to specify a condition that determines whether the flow should be triggered or not when the specified trigger event occurs.

Here's how trigger conditions work

Trigger Event	The trigger event is the initial event that starts the Power Automate flow. It could be an event like receiving an email, a new item being added to a SharePoint list, a file being created or modified in OneDrive, etc.
Trigger Condition	This is a condition you define based on the data available in the trigger event. The condition is expressed using expressions and can include comparisons, logical operators, and other functions. The trigger condition determines whether the flow should proceed based on the values in the trigger event.
Evaluation	When the trigger event occurs, the trigger condition is evaluated. If the condition is true, the flow continues to execute; otherwise, it is skipped.

Why use a trigger condition to optimize performance



Using trigger conditions can be helpful in scenarios where you want to filter out certain events and only process the ones that meet specific criteria. This can help in optimizing the performance of your flows and avoid unnecessary executions.

For example, if your flow is triggered by the creation of a new item in a SharePoint list, you might use a trigger condition to check if the value of a specific column in the new item meets certain criteria before proceeding with the rest of the flow.

Keep in mind that trigger conditions are available in some connectors and trigger types, but not all. The ability to set trigger conditions depends on the specific capabilities of the connector or trigger you are using in your Power Automate flow.

Trigger conditions in Power Automate can be beneficial for organizations from a licensing perspective because they provide a way to control and optimize the execution of flows based on specific criteria. This can have an impact on the consumption of resources, which is directly tied to licensing costs in Power Automate.

Why use trigger conditions to help your organization with licensing

Optimizing Flow Execution	By using trigger conditions, organizations can filter out unnecessary flow executions. This is particularly useful when dealing with triggers that respond to events such as new items in a list, incoming emails, or changes to files. If certain events don't meet specific criteria defined in the trigger conditions, the flow can be skipped, saving execution resources.	Meeting License Quotas	Power Automate often has licensing plans that include limits on the number of flow runs or executions within a specific time period. By using trigger conditions to filter out unnecessary executions, organizations can stay within the limits of their licensing plans and avoid unexpected overages.
Reducing Resource Consumption	Flow executions consume resources, and these resources contribute to the overall licensing costs. By using trigger conditions to filter out events that don't require processing, organizations can reduce the overall resource consumption and, consequently, the associated licensing costs.	Customizing Flow Behavior	Trigger conditions allow organizations to customize the behavior of their flows based on specific business logic. This flexibility enables organizations to tailor flows to their unique requirements, ensuring that flows are triggered and executed only when it makes sense from a business perspective.
Avoiding Unnecessary API Calls	Some triggers involve making API calls to external services. Trigger conditions can help prevent unnecessary API calls by allowing organizations to filter out events that don't meet the required criteria. This is particularly relevant in scenarios where API call quotas or limits are a consideration.	<div>Want to learn more? Watch this video by Jonathon Silva</div> <div></div>	

Working With Nulls

In Power Automate, a "null" refers to the absence of a value. It is used to represent the concept that a variable, field, or expression does not contain any data. Essentially, when a variable or field is null, it means that there is no valid or assigned value.

Why Is Important to Know About Nulls in Power Automate

Understanding and handling null values is important in Power Automate to ensure that your flows can handle situations where data may be missing or not applicable.

Here are some common scenarios where null values may be encountered in Power Automate:

Initialization	When you create a variable or initialize a field, it may start with a null value until you assign it a specific value.
Data Retrieval	When you retrieve data from a data source, such as a SharePoint list or a database, some fields may be null if no value is stored in that particular field for a given record.
Conditions	In conditions or expressions, you might use null to check if a variable or field has not been set or does not contain a valid value.

For example, in a condition, you might check if a field from a data source is null before performing a specific action based on that field. This helps you handle cases where the data may or may not be present.



Frequently Used Actions In Power Automate

Power Automate offers a wide range of actions across various connectors to help you automate workflows efficiently. The most common actions often depend on your specific use case and the applications you integrate.

However, some frequently used actions in Power Automate include:

Create Item: Add a new item to a list or library in SharePoint or other data sources.

Send an Email: Automate email notifications or responses with the "Send an Email" action using popular email connectors like Outlook or Gmail.

Get Items: Retrieve items from a list or library in SharePoint or other data sources.

Condition: Apply conditional logic to your flow, allowing different actions to be taken based on specified criteria.

Apply to Each: Iterate through a collection of items and perform actions on each item individually. This is particularly useful when working with arrays or lists of data.

HTTP: Make HTTP requests to interact with external APIs and services.

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Power Automate Beginner Tutorial Video



Dive into an ultimate interactive video for a thrilling introduction to Power Automate! Get ready for an exciting journey into the world of Power Automate mastery!



Free Developer License Of Power Automate

Get your "not-for-production" license to create as many flows as you want. Once there, click Create Individual Environment and use your work credentials.



Power Automate Licensing

See the present pricing for Power Automate.



Center of Excellence Toolkit

Simplify your administrator's tasks by leveraging the COE Toolkit—a complimentary management resource featuring a set of best practices and tools provided by Microsoft. This toolkit is designed to enhance efficiency and streamline administrative processes with a focus on Power Automate, Power Apps, and CoPilot.

