n8n Cheat Sheet

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DATA POPCORN

@data.popcorn

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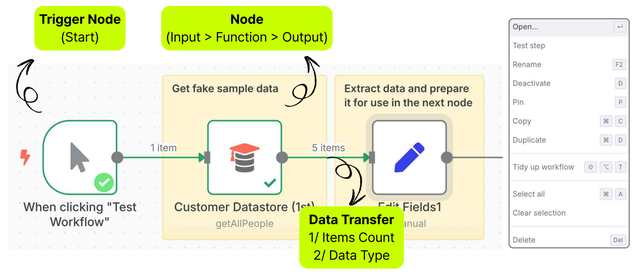
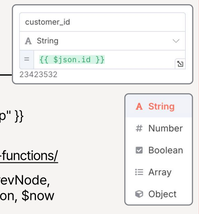
Getting Started with Triggers



Expressions

Type	expression
basic	{{ $json["key"] }}
node nomination	{{ $node["nodeName"].json["value"] }}
date formatting	{{ $now.format('yyyy-MM-dd') }}
Condition	{{ $json["price"] > 100 }}
ternary operator	{{ $json["price"] > 100 ? "expensive" : "cheap" }}
built-in methods	$jmespath(), $fromAI(), $max(), $min() https://docs.n8n.io/code/builtin/data-transformation-functions/
meatdata	$execution, $itemIndex, $input, $parameter, $prevNode, $runindex, $today, $vars, $workflow, $nodeVersion, $now



Built-in nodes

Category	Setting	Description
Trigger Node	**Manual**	A trigger that can be executed by the user manually.
	Schedule	Executes workflow at specified time intervals.
	Form	Uses form data submitted by the user as a trigger.
	Chat	Triggers based on chat input or messages.
	Webhook	External system sends an HTTP request to trigger the workflow.
	Workflow	Executed when called from other workflows.
Core Node	**Edit Fields (Set)**	Can set or modify field values.
	Remove Duplicate	Removes duplicated data.
	IF	Branches flow using conditions.
	Aggregate	Groups multiple data and summarizes.
	Split out	Split the set into individual elements
	Filter	Filters only data that meets conditions.
	Summarize	Summarizes data counts, averages, etc.
	Code	Can process data with JavaScript code.
	Merge	Combines two data streams.
	Sort	Sorts data by specified criteria.
	Limit	Limits the amount of data to output.
	Loop	Executes nodes repeatedly.
	Wait	Waits for a specified time period.
	Convert to File	Converts data to file format.
	Extract from File	Extracts data from files.
	Compression	Performs file compression or decompression.
	Stop and Error	Stops the workflow or generates errors.
	HTTP Request	Sends HTTP requests to external APIs.

Docker self-hosting

 # Install n8n docker
```
git clone https://github.com/n8n-io/self-hosted-ai-starter-kit.git
cd self-hosted-ai-starter-kit
```

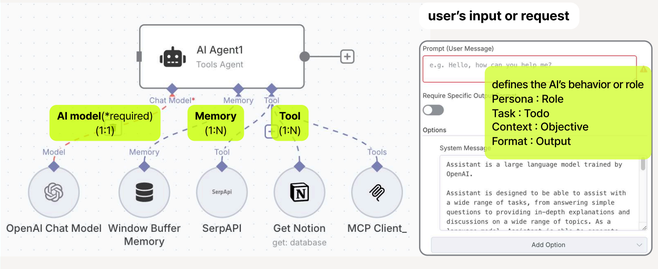
 # Update Latest version
```
sudo docker pull docker.n8n.io/n8nio/n8n
```

 # Stop Container
```
sudo docker stop n8n
```

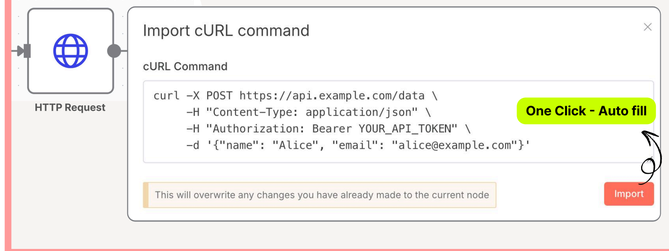
 # Remove Container
```
sudo docker rm n8n
```

 # Docker Run
```
sudo docker run -it \                                  # Interactive mode
--restart unless-stopped \                             # Auto-restart policy
--name n8n \                                           # Container name
-p 5678:5678 \                                         # Port mapping
-v n8n_data:/home/node/.n8n \                          # Persistent volume

-e WEBHOOK_URL="https://n8n.example.com/" \            # Public webhook URL
-e N8N_SMTP_HOST="smtp.gmail.com" \                    # SMTP port
-e N8N_SMTP_PORT=465 \                                 # SMTP port
-e N8N_SMTP_USER="YOUR_EMAIL" \                        # SMTP user email
-e N8N_SMTP_PASS="wcmj yyyl uwuc syyf" \               # SMTP app password
-e N8N_SMTP_SENDER="YOUR_EMAIL" \                      # Email sender
-e N8N_SMTP_SECURE="true" \                            # Enable secure SMTP
-e N8N_SMTP_SSL="true" \                               # Enable SSL for SMTP

-e GENERIC_TIMEZONE="Asia/Seoul" \                     # Set timezone
-e N8N_DIAGNOSTICS_ENABLED=false \                     # Disable diagnostics
-e N8N_VERSION_NOTIFICATIONS_ENABLED=false \           # Disable version check
-e VUE_APP_URL_BASE_API=https://n8n.example.com/ \     # Frontend base API URL

-e N8N_ENCRYPTION_KEY=<SOME RANDOM STRING> \           # Encryption key
-e N8N_TEMPLATES_ENABLED="false" \                     # Disable templates
-e N8N_USER_FOLDER=/home/jim/n8n \                     # User folder path

-e EXECUTIONS_TIMEOUT=3600 \                           # Execution timeout (s)
-e EXECUTIONS_TIMEOUT_MAX=7200 \                       # Max execution time (s)

-e N8N_METRICS=true \                                  # Enable Prometheus metrics
-e N8N_CUSTOM_EXTENSIONS="/home/jim/n8n/custom-nodes;/data/n8n/nodes" \
                                                       # Custom nodes path
-e NODE_FUNCTION_ALLOW_BUILTIN=* \                     # Allow built-in modules

-d docker.n8n.io/n8nio/n8n:latest                      # Run latest n8n in background
```

AI Agent



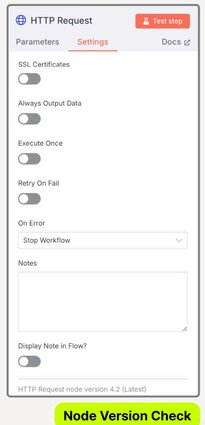
HTTP Request(API)



Keyboard short-cut

Category	Detail	Shortcut / Gesture
Workflow Control	Create New Workflow	Ctrl + Alt + N
	Open Workflow	Ctrl + O
	Save Current Workflow	Ctrl + S
	Undo	Ctrl + Z
	Redo	Ctrl + Shift + Z
	Run Workflow	Ctrl + Enter
Canvas Navigation	Move Node View	Ctrl + Left Mouse + Drag
	Move Node View	Ctrl + Middle Mouse + Drag
	Move Node View	Space + Drag
	Move Node View	Middle Mouse + Drag
	Move Node View	Two Fingers on Touchscreen
Canvas Zoom	Zoom In	=+ or =
	Zoom Out	- or _
	Reset Zoom	0
	Fit Workflow to View	1
	Zoom In/Out	Ctrl + Mouse Wheel
Canvas Nodes	Select All Nodes	Ctrl + A
	Paste Node	Ctrl + V
	Add Note	Shift + S
When Node is Selected	Select Node Below	↓
	Select Node to the Left	←
	Select Node to the Right	→
	Select Node Above	↑
	Copy	Ctrl + C
	Cut	Ctrl + X
	Disable	D
	Delete	Delete
	Open	Enter
	Rename	F2
	Pin Data	P
	Select All Left-side Nodes	Shift + ←
	Select All Right-side Nodes	Shift + →
Node Panel	Open Node Panel	Tab
	Insert Node	Enter
	Close Node Panel	Escape
Node Panel Category	Insert / Expand Node	Enter
	Expand Category	→
	Collapse Category	←
Inside Node	Toggle Expression Mode	=

Nodes Common Setting



Node Version Check

Category	Setting	Description
Node Settings	Always Output Data	Returns an empty item even when there's no data. Be careful as this may cause infinite loops with IF nodes.
	Execute Once	Processes only the first item and ignores the rest.
	Retry On Fail	Retries until successful upon failure.
Error Handling	On Error: Stop Workflow	Stops the entire workflow when an error occurs.
	On Error: Continue	Continues to the next node even if there's an error, using the last valid data.
	On Error: Continue (using error output)	Passes the error info to the next node and continues the workflow.
Node Notes	Notes	Allows you to add a memo to the node.
	Display note in flow	When enabled, displays the memo like a subtitle inside the workflow.

Community & Resources

The n8n community is active and growing. Check out:

- Official Docs: docs.n8n.io
- Community Forum: community.n8n.io
- Discord Chat: discord.gg/n8n
- GitHub (Issues, PRs, source code): n8n-io/n8n

Thx to u/MixConception 😀