



n8n Cheat Sheet

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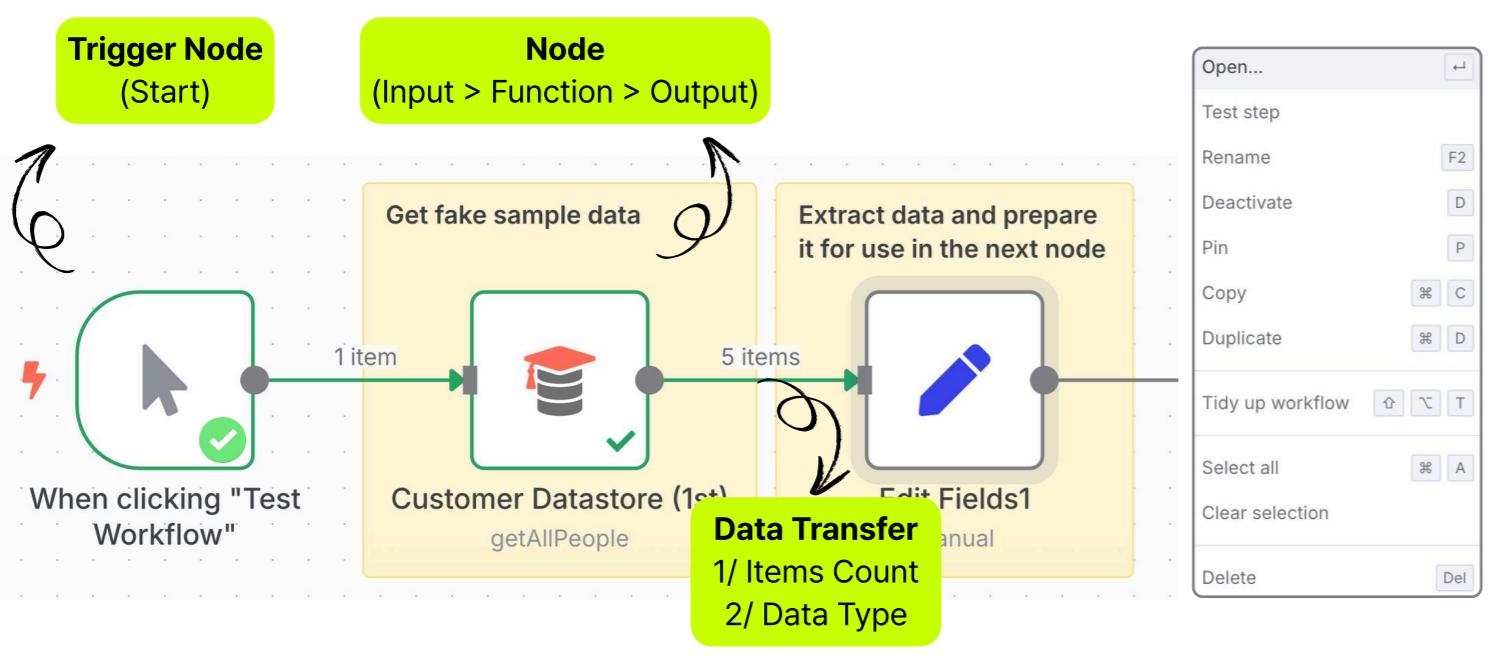


**DATA
POPCORN**

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Getting Started with Triggers

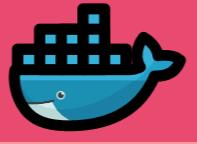


Expressions

| Type | expression | Fixed Expression |
|------------------|--|---|
| basic | <code>{{ \$json["key"] }}</code> | |
| node nomination | <code>{{ \$node["nodeName"], \$node["value"] }}</code> | |
| date formatting | <code> {{\$now.format('yyyy-MM-dd')}} </code> | customer_id A String = <code> {{ \$json.id }} </code> 23423532 |
| Condition | <code> {{ \$json["price"] > 100 }}</code> | |
| ternary operator | <code> {{ \$json["price"] > 100 ? "expensive" : "cheap" }}</code> | A String # Number # Boolean # Array # Object |
| built-in methods | <code>\$jmespath(), \$fromAI(), \$max(), \$min() https://docs.n8n.io/code/builtin/data-transformation-functions/</code> | |
| metadata | <code>\$execution, \$itemIndex, \$input, \$parameter, \$prevNode, \$runIndex, \$today, \$vars, \$workflow, \$nodeVersion, \$now</code> | |

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. |
| | 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

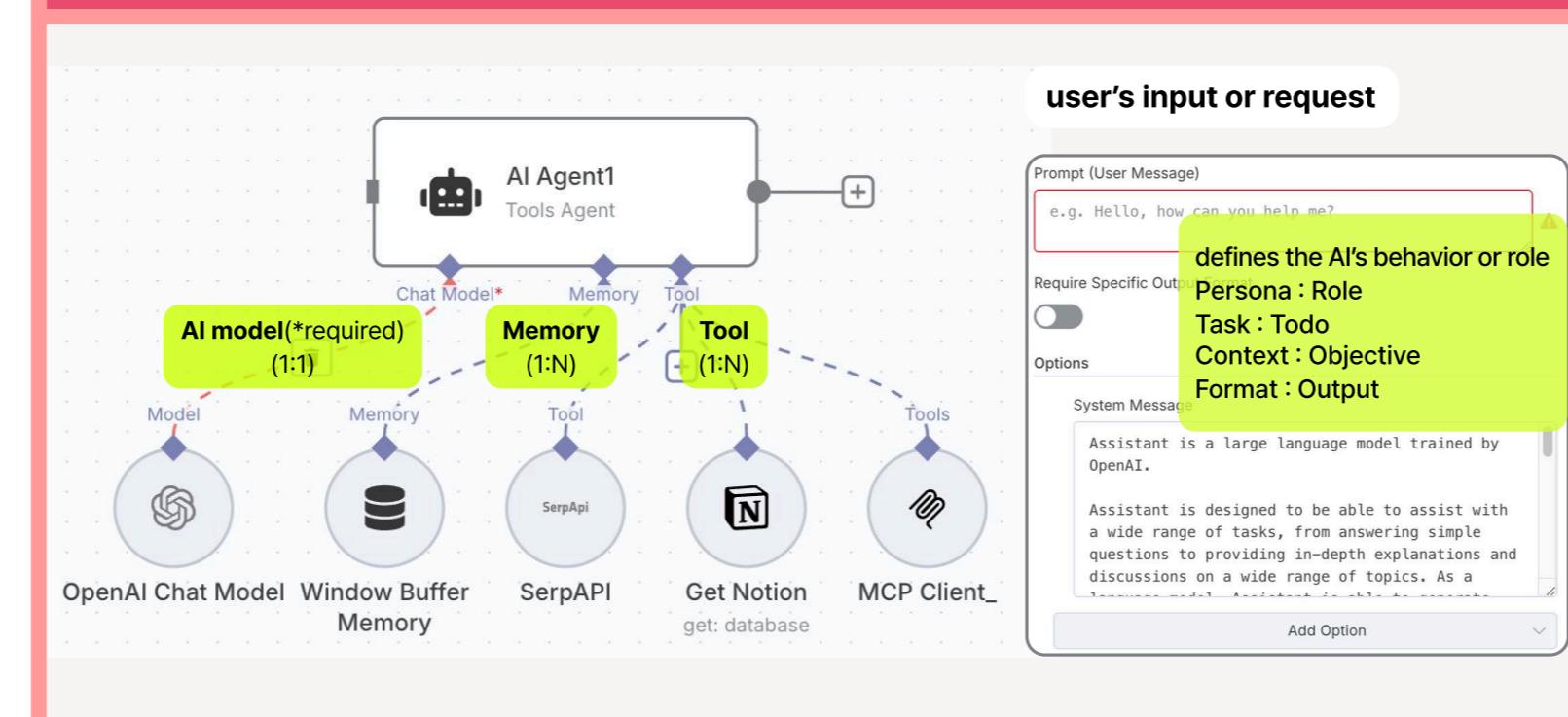
```
# Install n8n docker
git clone https://github.com/n8n-io/self-hosted-ai-starter-kit.git
cd self-hosted-ai-starter-kit

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

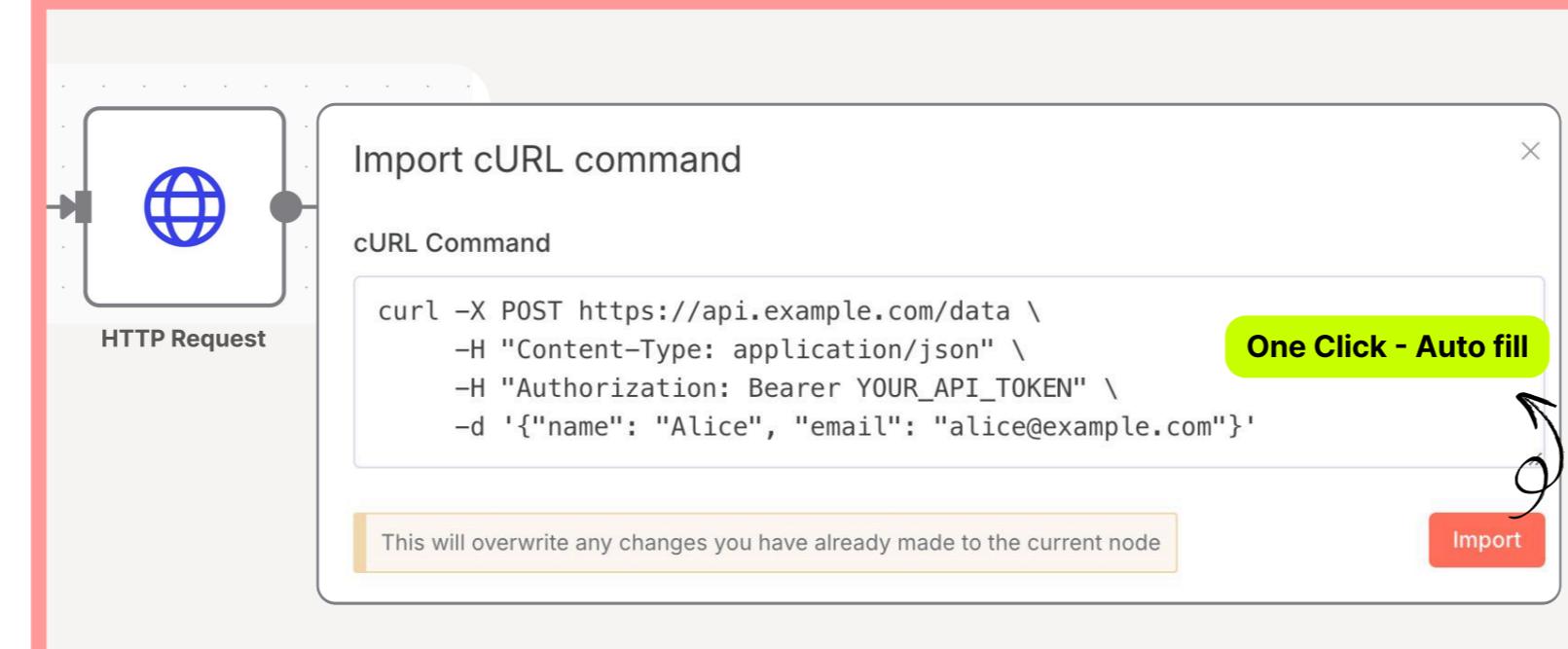
# Docker Run
sudo docker run -it \
--restart unless-stopped \
--name n8n \
-p 5678:5678 \
-v n8n_data:/home/node/.n8n \
-e WEBHOOK_URL="https://n8n.example.com/" \
-e N8N_SMTP_HOST="smtp.gmail.com" \
-e N8N_SMTP_PORT=465 \
-e N8N_SMTP_USER="YOUR_EMAIL" \
-e N8N_SMTP_PASS="wcmj yyyl uwuc syf" \
-e N8N_SMTP_SENDER="YOUR_EMAIL" \
-e N8N_SMTP_SECURE="true" \
-e N8N_SMTP_SSL="true" \
-e GENERIC_TIMEZONE="Asia/Seoul" \
-e N8N_DIAGNOSTICS_ENABLED=false \
-e N8N_VERSION_NOTIFICATIONS_ENABLED=false \
-e VUE_APP_URL_BASE_API=https://n8n.example.com/ \
-e N8N_ENCRYPTION_KEY=<SOME RANDOM STRING> \
-e N8N_TEMPLATES_ENABLED=false \
-e N8N_USER_FOLDER=/home/jim/n8n \
-e EXECUTIONS_TIMEOUT=3600 \
-e EXECUTIONS_TIMEOUT_MAX=7200 \
-e N8N_METRICS=true \
-e N8N_CUSTOM_EXTENSIONS=/home/jim/n8n/custom-nodes;/data/n8n/nodes/ \
-e NODE_FUNCTION_ALLOW_BUILTIN=* \
-d docker.n8n.io/n8nio/n8n:latest
```

Interactive mode
Auto-restart policy
Container name
Port mapping
Persistent volume
Public webhook URL
SMTP port
SMTP port
SMTP user email
SMTP app password
Email sender
Enable secure SMTP
Enable SSL for SMTP
Set timezone
Disable diagnostics
Disable version check
Frontend base API URL
Encryption key
Disable templates
User folder path
Execution timeout (s)
Max execution time (s)
Enable Prometheus metrics
Custom nodes path
Allow built-in modules
Run latest n8n in background

AI Agent



HTTP Request(API)



Keyboard short-cut

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

Nodes Common Setting

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

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](https://github.com/n8n-io/n8n)

Thx to u/MixConception 😊