



The power of automation

The power of automation and how to control it.

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The power of automation

Introduction to n8n, the workflow automation tool

The power of automation

Why do we need automation?

Why do we need automation?

Manual vs Automation

Manual tasks

- Wasted time
- Human error
- High human resource requirements
- Low employee happiness and retention

Automation

- Predictability
- Better data availability
- Increased employee efficiency
- Focused efforts on higher-value tasks
- Much higher ROI

Why do we need automation?

Automation is key for data-driven decisions

Feeling (intuition)

- Subject to interpretation
- Difficult to estimate and justify ROI
- Wasted resources (Budget + Time)

Data-Driven

- Logic-driven and objectivity
- Improved reporting + visibility on ROI
- Requires fewer resources (Human, Budget, Time)

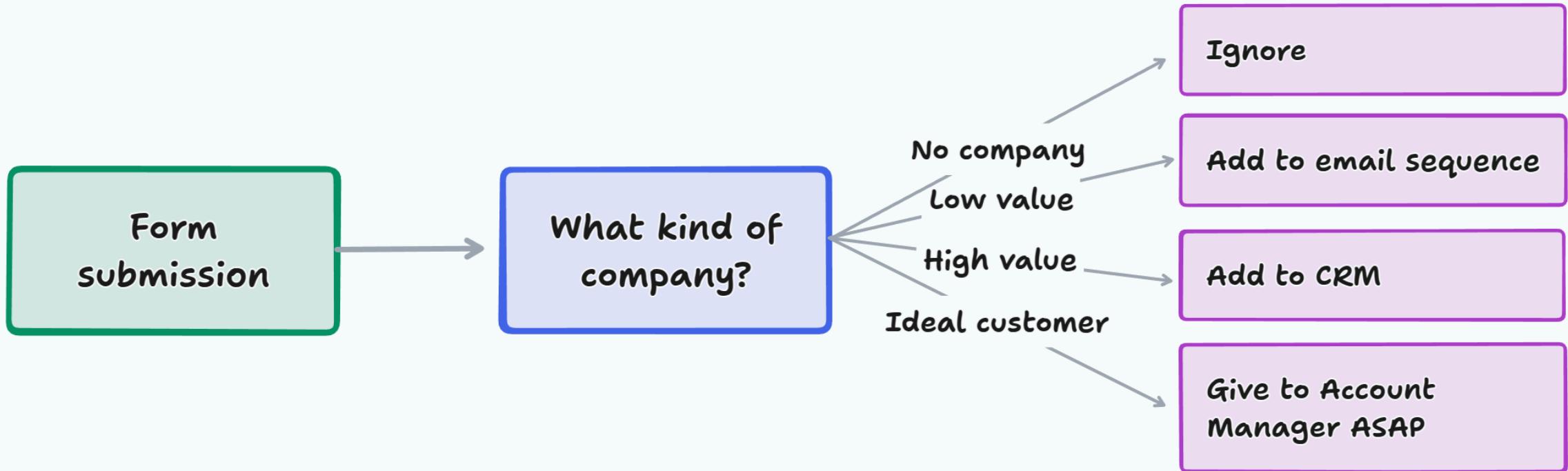
Why do we need automation?

What is automation?

A predictable set of predetermined actions that transfers data from one point to another

Why do we need automation?

Typical structure of an automation



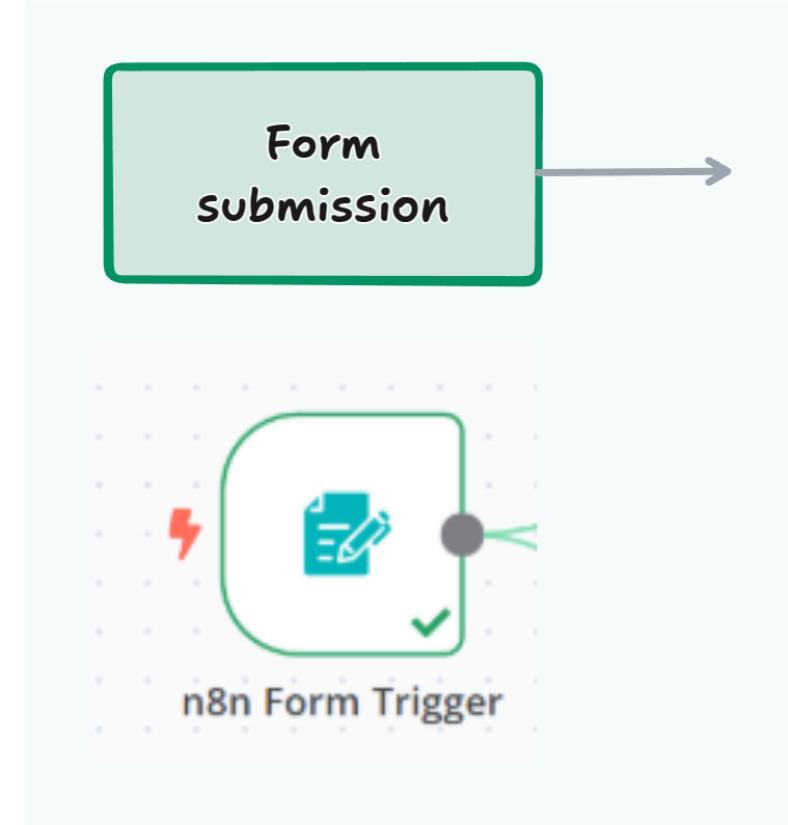
Why do we need automation?

Core elements of automation

Trigger

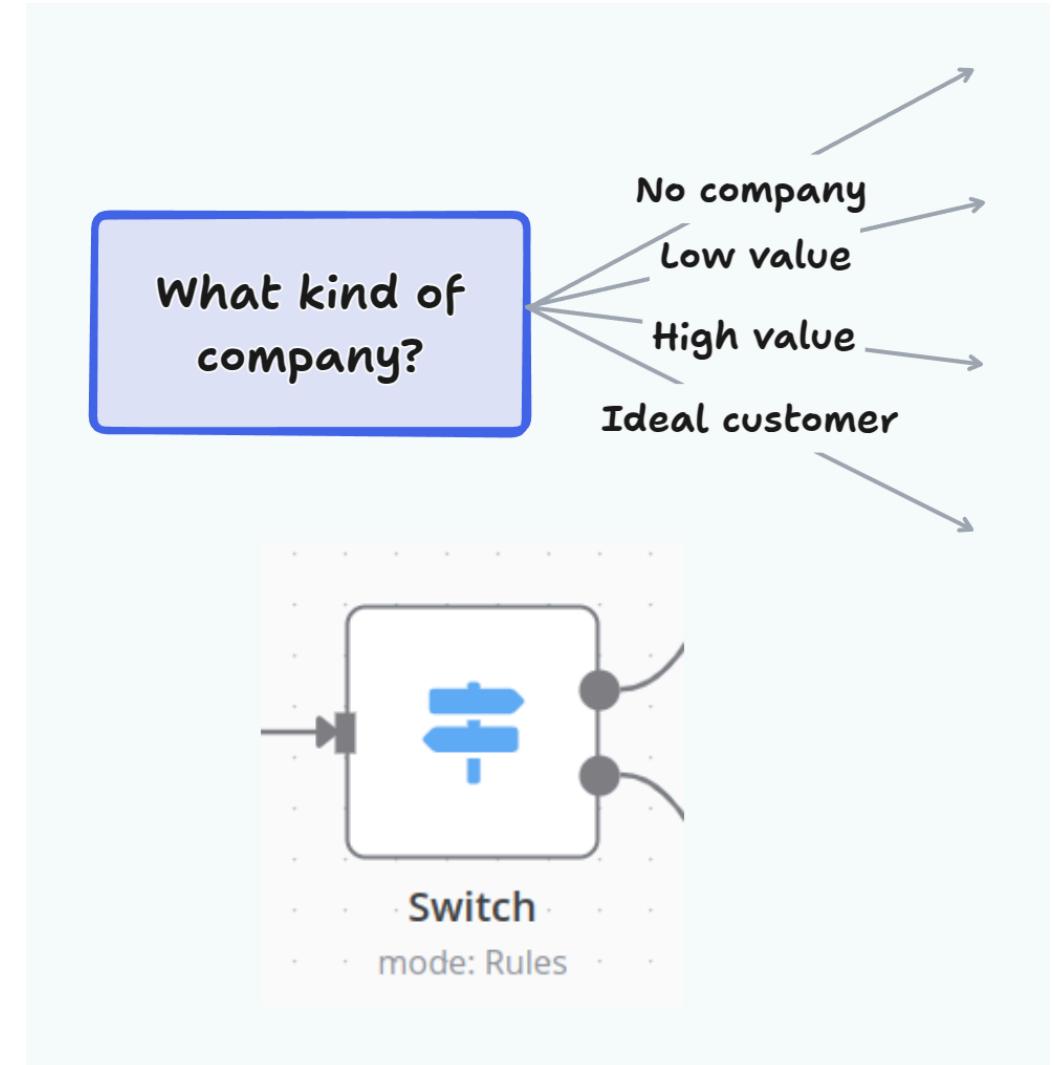
A trigger is what starts an automation.

- Manual
- Scheduled
- Applications
 - Webhook
 - Property update
 - Form submission



Filter

Filtering is used to allow or block certain types of data from following a path based on certain conditions.



Core elements of automation

Actions (Apps)

Actions allow you to interact with applications

Seafile:

- Upload file
- Get file
- Create folder

Slack:

- Get user
- Send message
- Get message

SeaTable

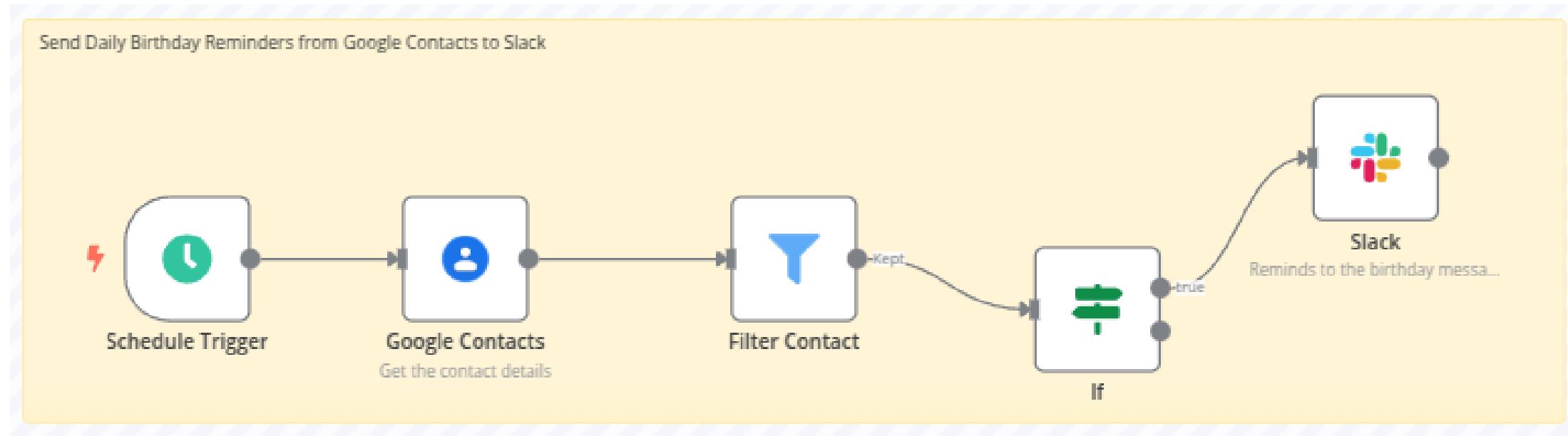
- Update rows
- Create new row

Salesforce

- Get contact
- Get Company
- Create lead

Workflow example

Send Daily Birthday Reminders from Google Contacts to Slack



Core elements of automation

What is n8n?

What is n8n?

"n8n is a no-code workflow automation platform that lets you connect apps and automate tasks."

What is n8n?

Key Features

What makes n8n so special?

- Open Source (Fair Source)
- Visual Interface
- Flexibility (support for complex automation scenarios)
- Self-Hosting
- Community Nodes
- Coder Friendly
- AI integration
(Don't miss my presentation on friday!)

If enough time

Live-Demo: Building n8n workflow

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Who should use n8n?

"... a lazy person will find an easy way to do it"

– Bill Gates



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Who should use n8n?

"If you do a task more than one time, then automate it."

– Christoph Dyllick-Brenzinger



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Interested in this presentation?



- online: <https://christophdb.github.io/power-of-automation/>.
- pdf: <https://github.io/christophdb/power-of-automation/slides/slides.pdf>