

The power of automation

# The power of automation and how to control it.

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Introduction to n8n, the workflow automation tool

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# 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)

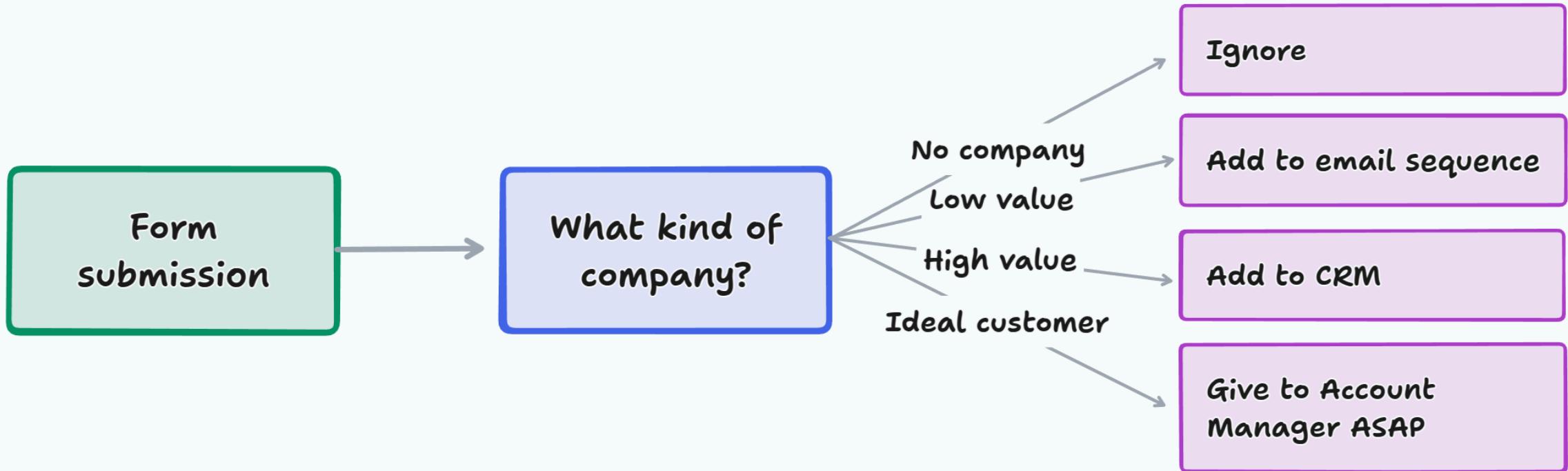
Why do we need automation?

## 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



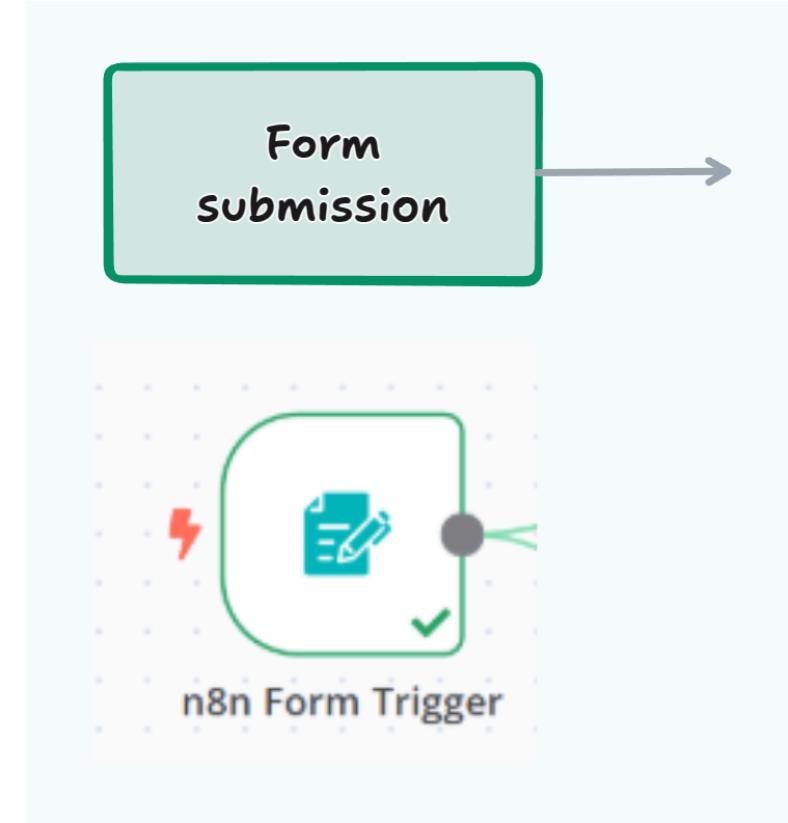
**Why do we need automation?**

# Core elements of automation

# Trigger

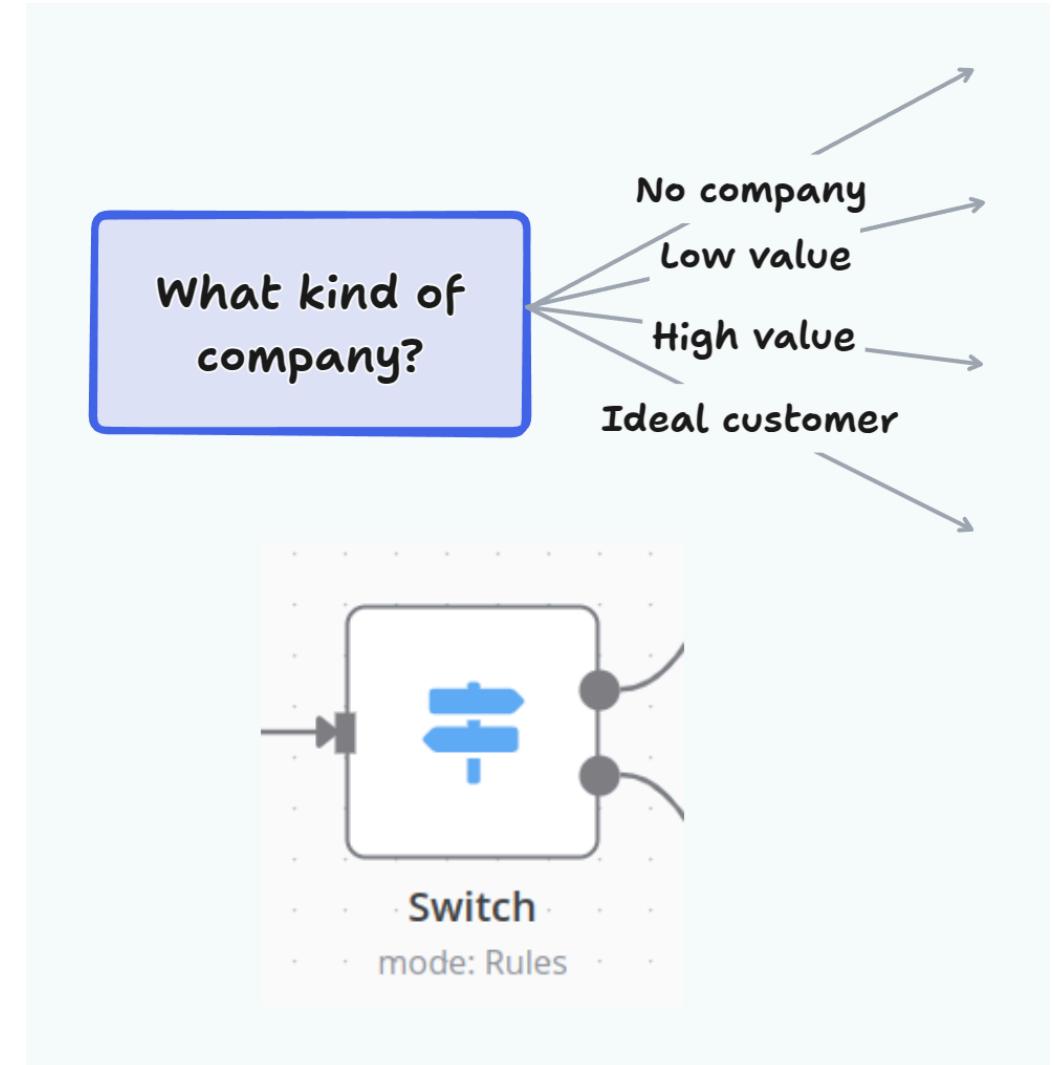
**A trigger is what starts an automation.**

- 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

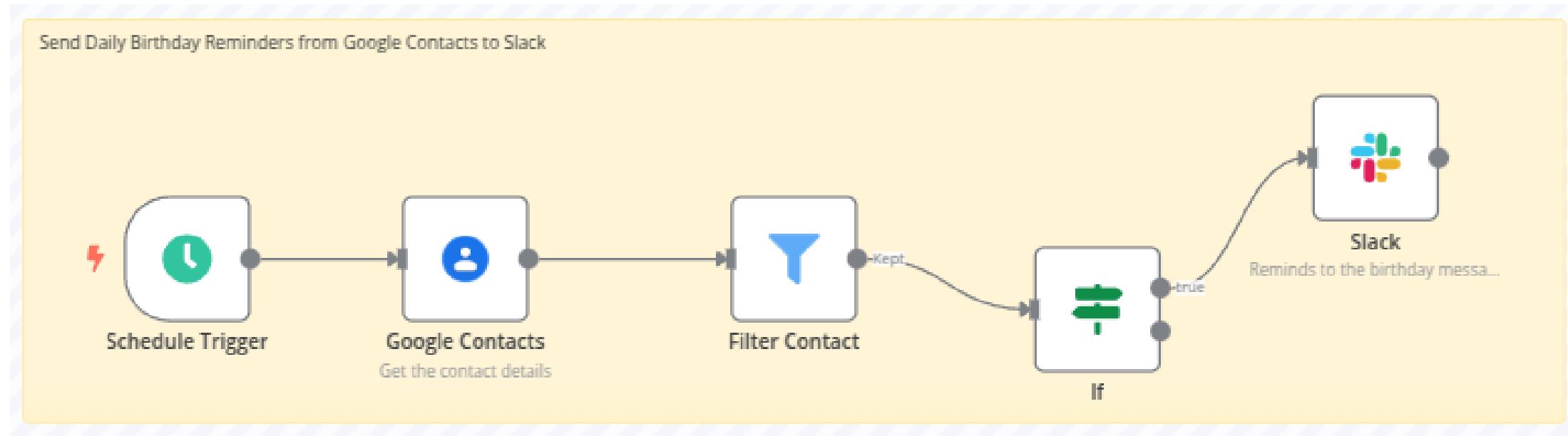
- Update rows
- Create new row

## 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>