

# Automation with Ansible

Automation is transforming the way we manage IT systems and networks. Instead of doing repetitive tasks manually, automation allows us to save time, reduce human errors, and ensure consistency across our environments. In this workshop, we will explore the fundamentals of automation, learn about popular tools, and dive into Ansible a simple, yet powerful automation engine.

## Level

Beginner to Intermediate

Open and free session , anyone interested in learning is welcome!

## Instructor

Sander Steffann

<https://www.linkedin.com/in/sandersteffann/>

## Agenda

Automation in general

- Benefits of automation
- What to automate?
- What not (yet) to automate?
- Available automation tools

Working with Ansible

- What is Ansible?
- Installing Ansible
- How Ansible Works and its Key Components
- Using the Ad-Hoc ansible command

Ansible playbooks

- YAML syntax
- Creating an inventory
- Playbook Basics
- Available Ansible modules
- Organising playbooks into roles

## Objectives

By the end of this workshop, participants will be able to:

- Understand the role and benefits of automation in IT operations
- Set up and use Ansible for basic automation tasks
- Write and run simple Ansible playbooks
- Structure automation workflows using roles and modules

## Slides

<https://ripe90.ripe.net/wp-content/uploads/presentations/60-2025-05-12-RIPE-90-Ansible-101.pdf>

## Session's record

[https://drive.google.com/file/d/1EzVqjimo5yDTn8rIJ0Ks-nCrNHxCjAqv/view?usp=share\\_link](https://drive.google.com/file/d/1EzVqjimo5yDTn8rIJ0Ks-nCrNHxCjAqv/view?usp=share_link)

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