

# Linux Automation

## Explanatory Notes

### Section 1: Introduction to Linux Automation

#### Objective:

The goal is to set up a system that tracks when `sudo` commands are used and sends email alerts when needed. This includes creating a test user, installing email tools, configuring email with Gmail, and checking that everything works.

#### Overview:

In this section, we explore the power of Linux terminal commands for automation tasks. The project involves monitoring sudo command usage and sending email notifications when certain conditions are met. We set up a low-privileged user, configure email sending via Gmail, and test the email setup.

#### Steps:

1. **Create a Low-Privileged User:** Set up a new user in the Linux system for testing purposes.
2. **Install mailutils:** Install the necessary package to enable email sending from the terminal.
3. **Configure Postfix and Gmail:** Set up Postfix and create an app password in Gmail for secure email sending.
4. **Test Email Notifications:** Verify that the email configuration works by sending a test email from the terminal.

#### Tools Used:

- Linux Terminal: For executing commands and automating tasks.
- Postfix: For handling email sending.
- Mailutils: Utility package for sending emails via terminal.