Module 5: Configuration Management Basics

What is Configuration Management?

Configuration management automates system setup, configuration, and maintenance to ensure consistency and efficiency across IT infrastructure.

Popular Tool: Ansible

Installation (Step-by-Step):

1. **Install Python and pip:**
   - Linux/macOS: `sudo apt install python3-pip` or `brew install python`.
   - Windows: Download Python from python.org.
2. **Install Ansible:**
   - Run: `pip install ansible`
3. **Verify Installation:**
   - Run: `ansible --version`

Ease of Use:

- **Simple YAML Syntax:** Easy-to-read automation scripts.
- **Agentless:** No need to install software on remote machines.
- **Open-Source:** Free and widely supported.