

# What is Ansible for?

- Ansible serves as a configuration management tool
- It is utilized to oversee configurations on pre-deployed infrastructure
- In other words, it ensures that the current state of the managed asset aligns with the desired state defined by Ansible
- Comparable solutions include:
  - Puppet
  - Chef
  - SaltStack
- Ansible is distinct due to its design focus on ease of use

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- Ansible is a DevOps tool
- It manages configuration as code
- To do so, YAML playbooks are typically used
- To guarantee consistency, the playbooks are often provided through Git

# Ansible Control Node

- The control node is the system where Ansible is installed
- Ansible can be set up through various methods:
  - Using distribution repositories to ensure the installation of the latest stable version
  - Utilizing the Python pip3 installer to obtain the newest version available
- It is important to note that the newest version may not always be stable, making installation from repositories the recommended approach

For Rocky Linux:

- Ansible in Rocky placed in extra packages for enterprise linux, so initially...  
**sudo dnf install epel-release**
- **sudo dnf install -y ansible**
- **ansible --version**

For Fedora

- Installing pip...
- **sudo dnf provides \*/pip**
- **sudo dnf install python3-pip**
- **sudo pip install ansible**
- **ansible --version**