#### **Apache Web Server Setup on a fresh system**

#### Steps:

- Server (On premise, Cloud, Virtualisation)
- Install OS (RHEL9)
- Setup Network
- Install Package (httpd)
- Make the necessary config file changes (httpd.conf)
- Copy the website data to document root
- Public IP (Internet)
- Start the Apache service
- Done!

But on 100 Machines

#### Configuration Management Automation Tool

#### **ANSIBLE**

Ansible is a Configuration management tool or an opensource automation platform.

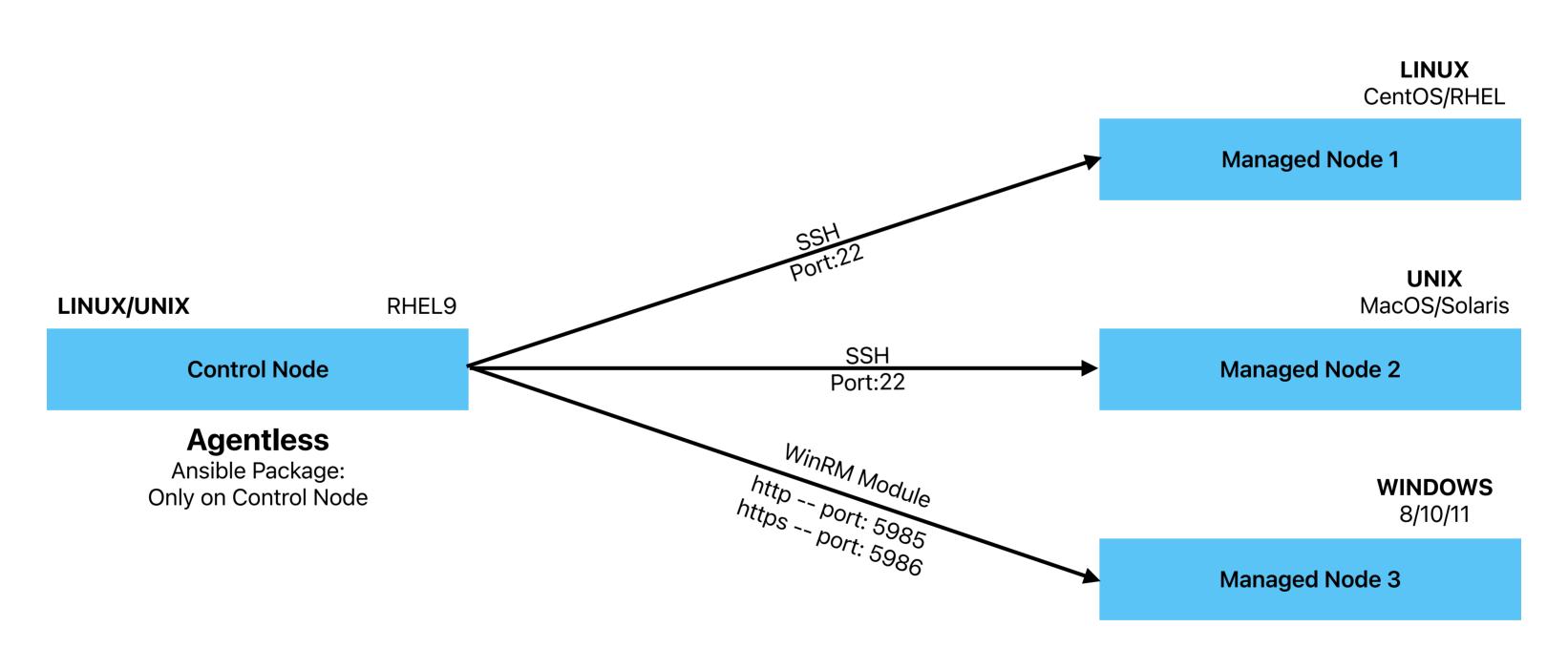
# **Ansible Architecture**

#### **Control Node (CN)**

(Master Node)
This is from where we will be managing all the server (managed nodes)

#### Managed Node (MN)

(Worker Node)
These are all the systems where the tasks are to be performed



## **Important Terminology**

## Inventory:

A collection of Managed Server IP's/hostnames

## Playbook:

Desired state of managed nodes Written in: YAML, JSON

### Module:

These are pre-written pieces of code that an be used inside a playbook to perform tasks
Written in: Majorly Python, but others also possible