

Ansible

A tool for Automation

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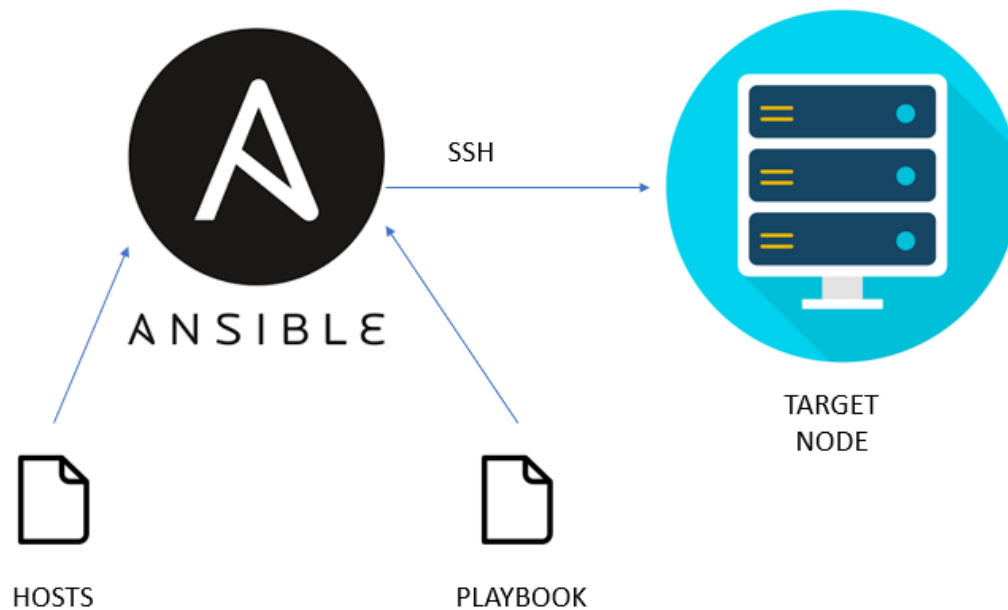
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1 Introduction

Ansible is an IT automation tool. It can configure systems, deploy software, and orchestrate more advanced IT tasks such as continuous deployments or zero downtime rolling updates.

Ansible's main goals are simplicity and ease-of-use. It also has a strong focus on security and reliability, featuring a minimum of moving parts, usage of OpenSSH for transport (with other transports and pull modes as alternatives), and a language that is designed around auditability by humans—even those not familiar with the program.

Figure 1: Ansible



2 Ansible Installation

The steps for Ansible installation are as follows:

2.1 Installing Ansible on Ubuntu Machine (linux)

The steps to install ansible on linux are as follows, use the commands in sequential manner for installation.

```
$ sudo apt update
$ sudo apt install software-properties-common
$ sudo add-apt-repository --yes --update ppa:ansible/ansible
$ sudo apt install ansible
```

2.2 Installing Ansible on CentOS Machine

The steps to install ansible on linux are as follows, use the commands in sequential manner for installation.

```
$ sudo yum install epel-release  
$ sudo yum install ansible
```

2.3 Installing Ansible on Windows Machine

There are multiple ways of installing ansible on windows, some of them are as follows:

2.3.1 Installing using MinGW