

# Introduction to Ansible

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DevOps tools user



DevOps

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# Configuration and management, provisioning

# Agent master model



AGENTLESS, SIMPLE,  
POWERFULL, COMMUNITY



## Ansible

Server Configuration and Automation

See Ansible alternatives

Favorites



197

Stacks

2.63K

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Fans	Votes	Jobs
1.93K	1.17K	1.79K

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Stack Overflow Stats



484



742



7.7K

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31.7K



12.2K



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## Chef

Server Configuration and Automation

See Chef alternatives

Favorites



75

Stacks

858

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Fans	Votes	Jobs
567	311	0



385



174



5.7K



5.4K



2.23K



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## Puppet Labs

Server Configuration and Automation

See Puppet Labs alternatives

Favorites



25

Stacks

465

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Fans	Votes	Jobs
307	217	1.78K



586



340



3.41K



5.05K



2.02K



1 day ago

# Prerequisites

Python

SSH

Windows (Ansible 1.7+) - enable and configure PowerShell remoting 3.0+



# Installations

```
sudo apt-get update
```

```
sudo apt-get upgrade -y
```

```
sudo apt-get install python -y
```

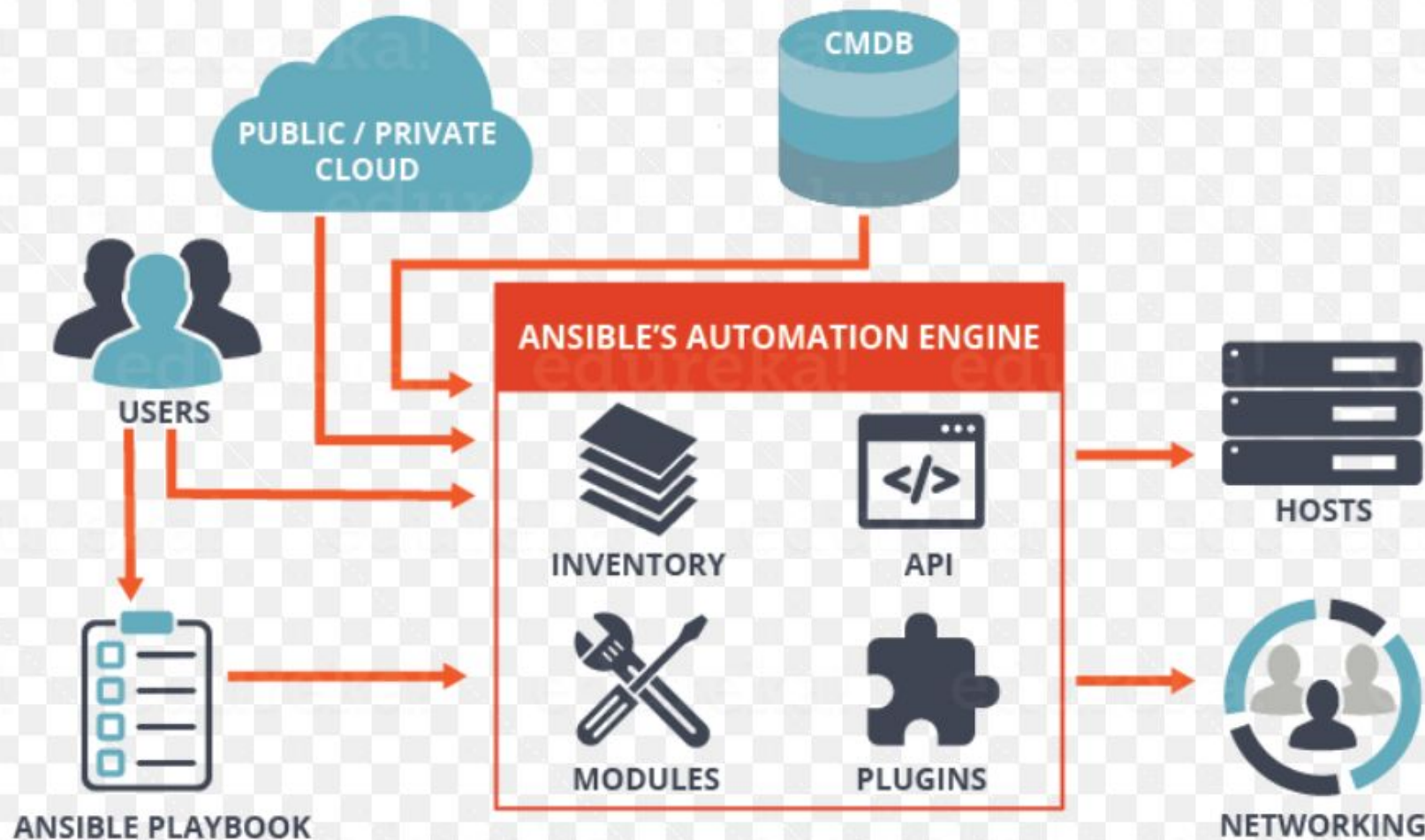
```
sudo apt-get install ansible -y
```

```
Sudo yum install ansible -y
```

```
ansible --version
```

```
Ansible --help
```

# ANSIBLE ARCHITECTURE



# Inventory

Static, Dynamic

Define which hosts ansible manages

Inventory file has list of all managed host names one line per host

Files are organized as hosts and groups

# Static inventory

```
[webservers]
192.168.35.140
192.168.35.150

[datacache]
192.168.45.45

[appservers]
192.168.100.1
192.168.100.2

[dbservers]
172.35.0.10
```

# Dynamic inventory

Pulling information

# Modules, playbooks

---

```
- name: install and start apache
  hosts: webservers
  user: root
```

tasks:

```
- name: install httpd
  yum: name=httpd state=latest

- name: start httpd
  service: name=httpd state=running
```

**Playbook**

**Play**

**Tasks**



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