

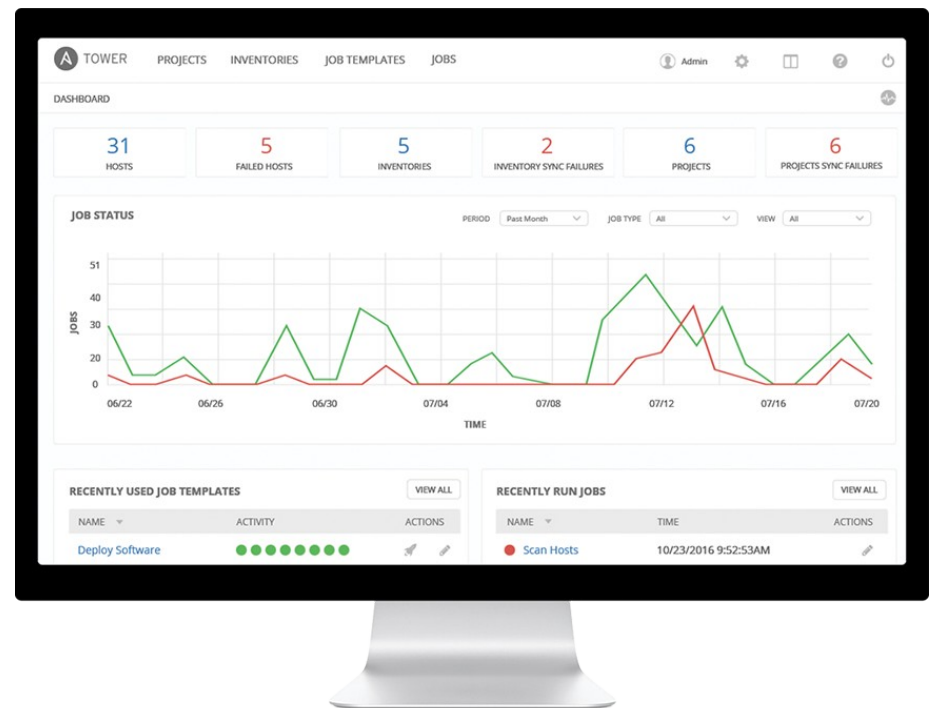
ANSIBLE

**AUTOMATION FOR EVERYONE**

It's a **simple automation language** that can perfectly describe an IT application infrastructure in Ansible Playbooks.

It's an **automation engine** that runs Ansible Playbooks.

Ansible Tower is an **enterprise framework** for controlling, securing and managing your Ansible automation with a **UI and restful API**.





## SIMPLE

Human readable automation  
No special coding skills needed  
Tasks executed in order  
**Get productive quickly**



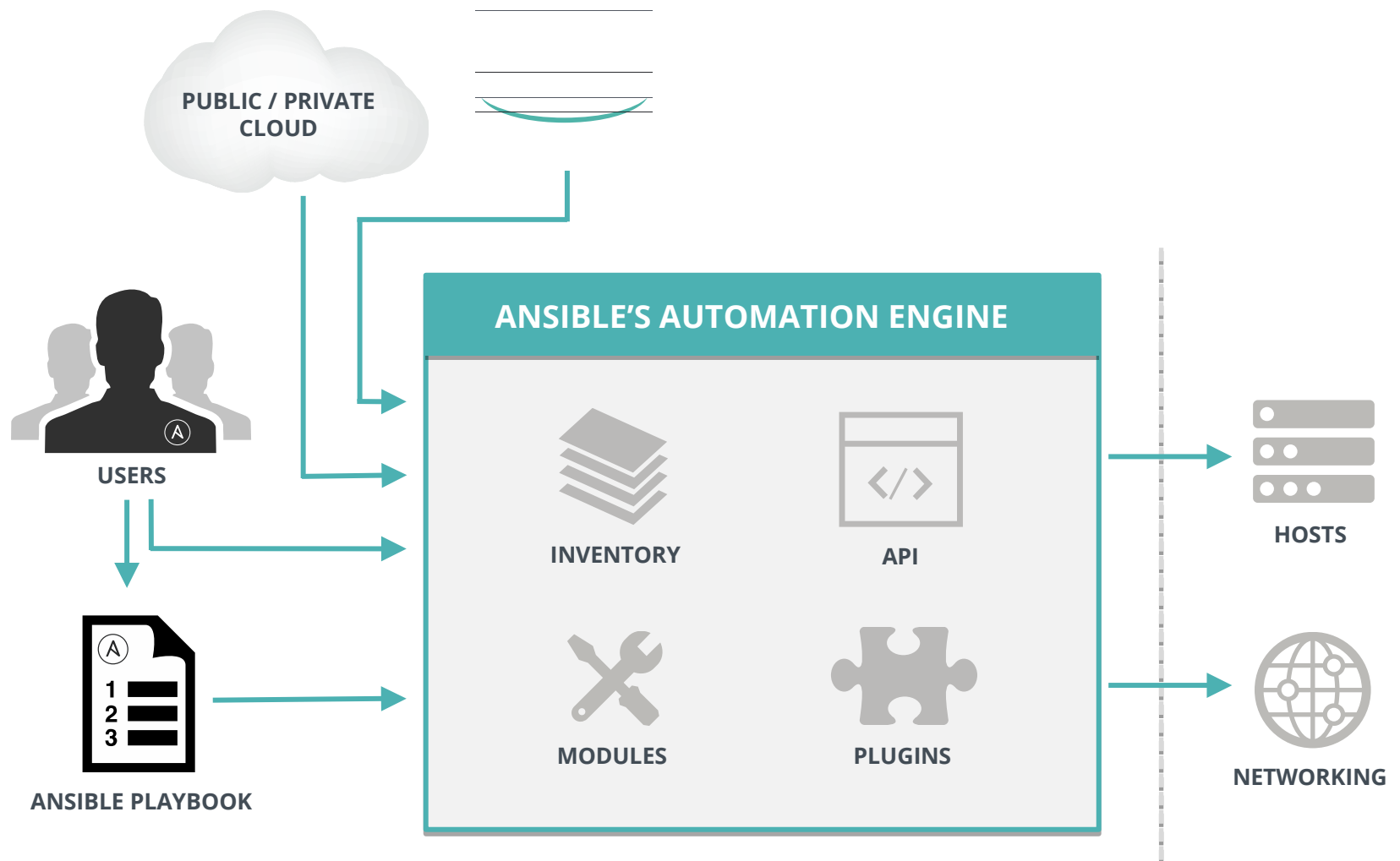
## POWERFUL

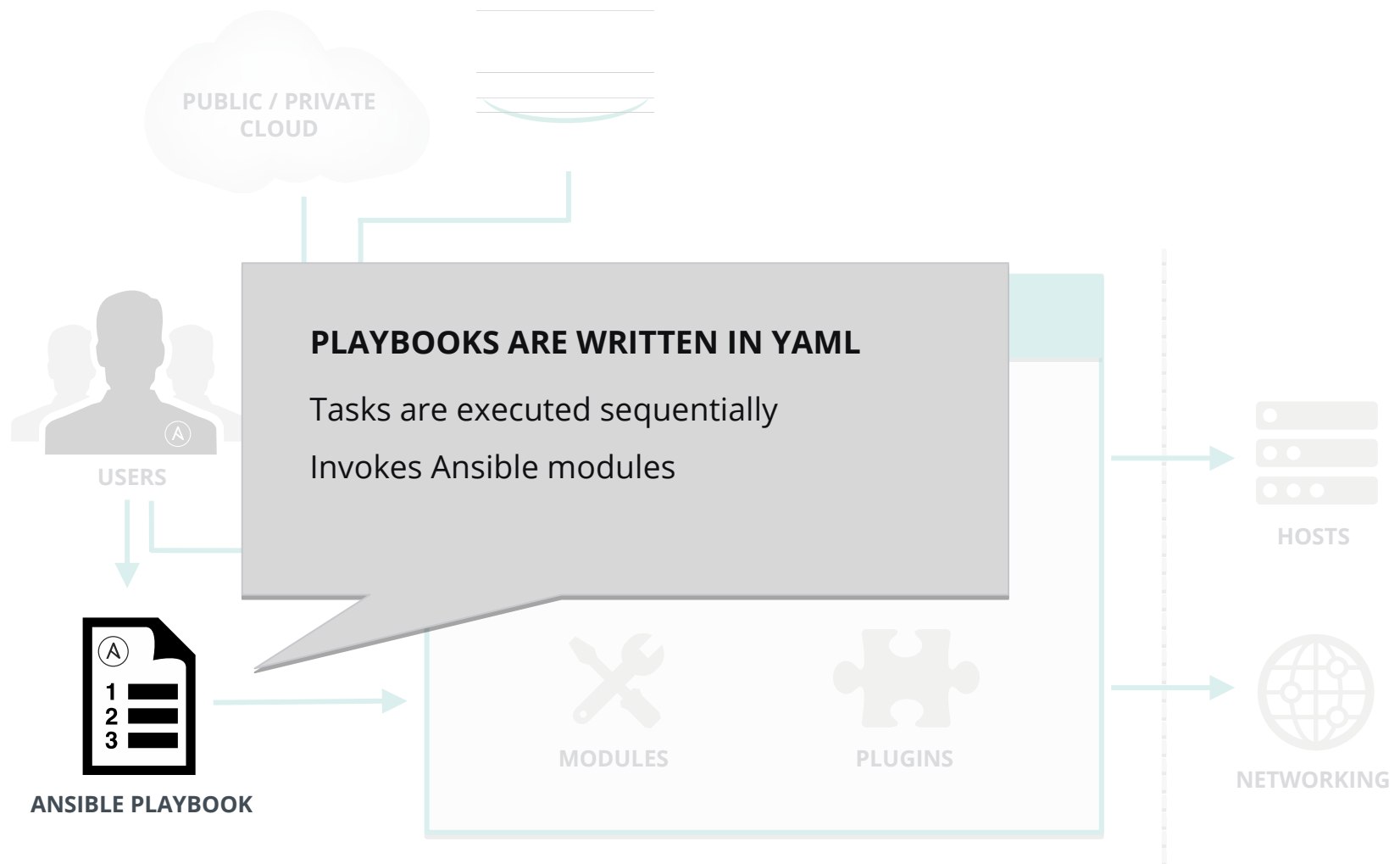
App deployment  
Configuration management  
Workflow orchestration  
**Orchestrate the app lifecycle**

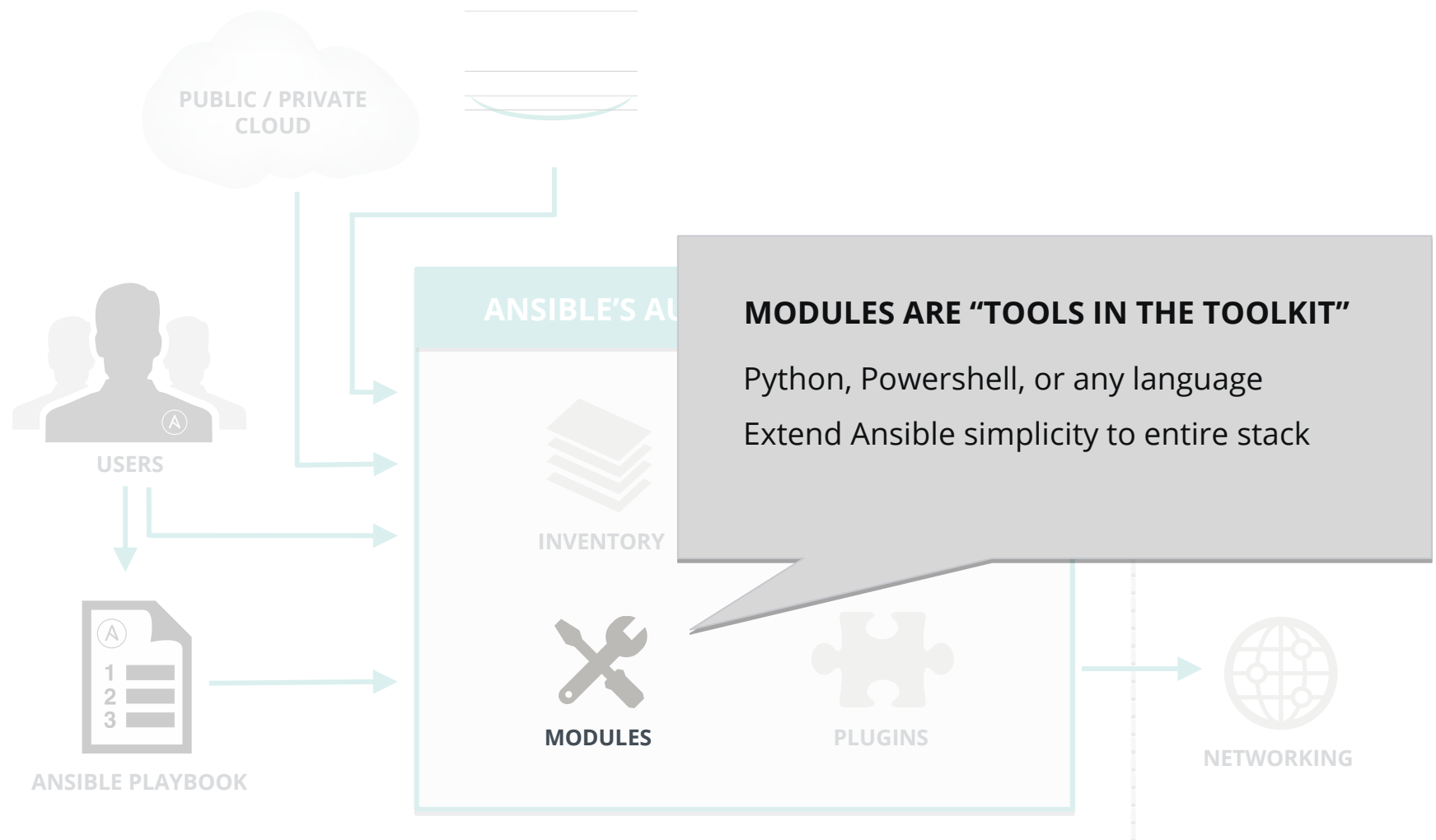


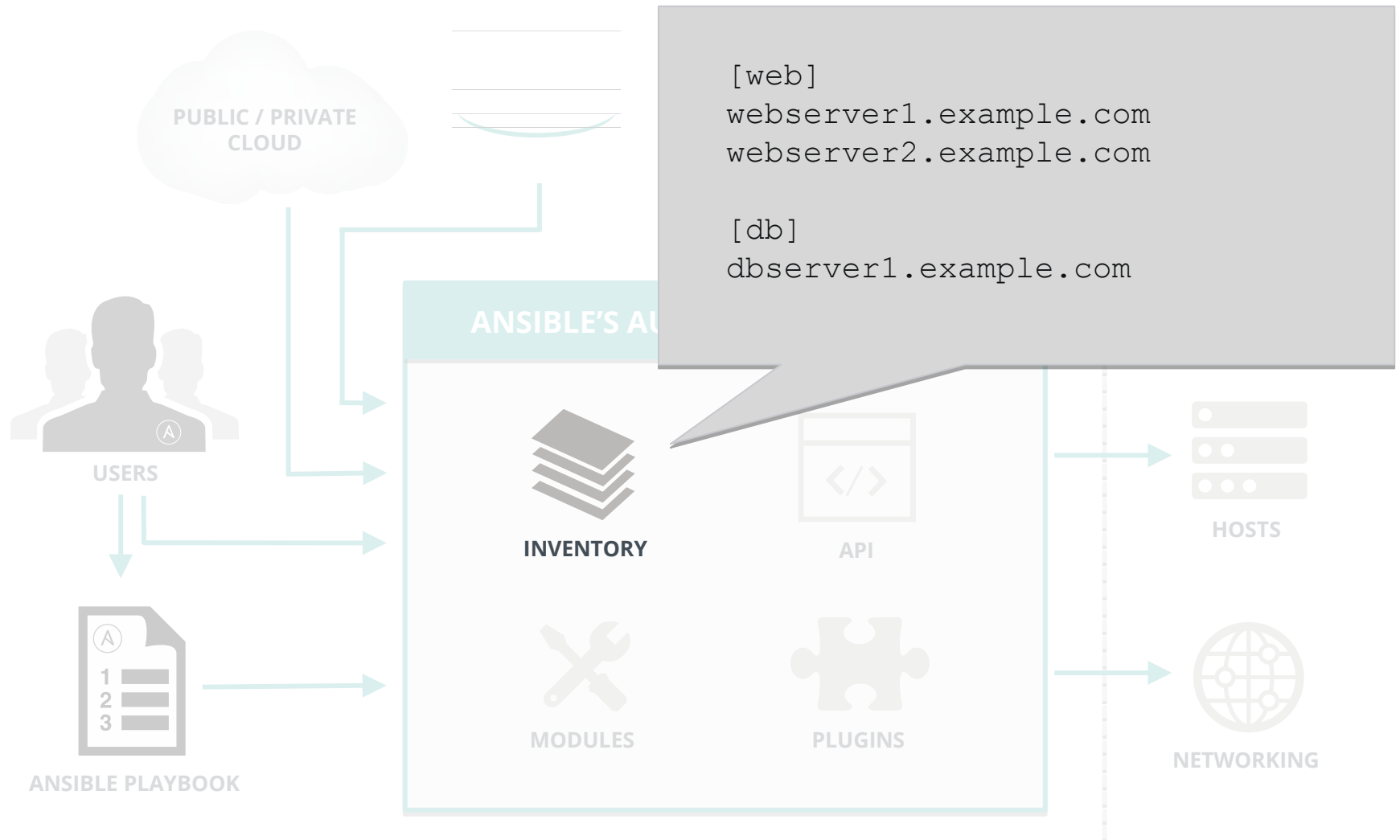
## AGENTLESS

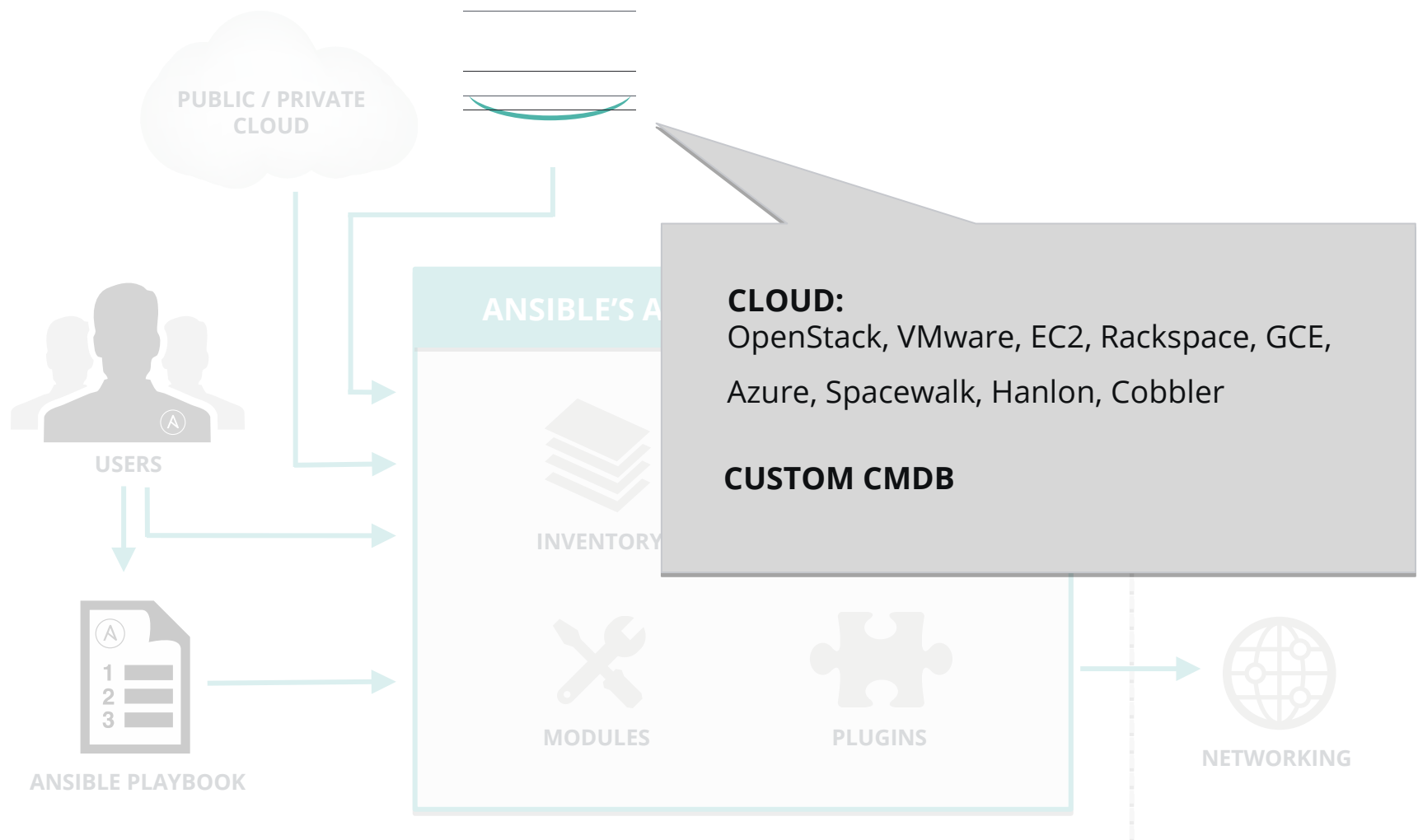
Agentless architecture  
Uses OpenSSH & WinRM  
No agents to exploit or update  
**More efficient & more secure**













```
---
- name: install and start apache
  hosts: all
  vars:
    http_port: 80
    max_clients: 200
  remote_user: root

  tasks:
    - name: install httpd
      yum: pkg=httpd state=latest
    - name: write the apache config file
      template: src=/srv/httpd.j2 dest=/etc/httpd.conf
    - name: start httpd
      service: name=httpd state=running
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**ANSIBLE  
TOWER**  
by Red Hat®

**TOWER** EMPOWERS TEAMS TO AUTOMATE

## CONTROL

Scheduled and centralized jobs

## KNOWLEDGE

Visibility and compliance

## DELEGATION

Role-based access and self-service

## SIMPLE

Everyone speaks the same language

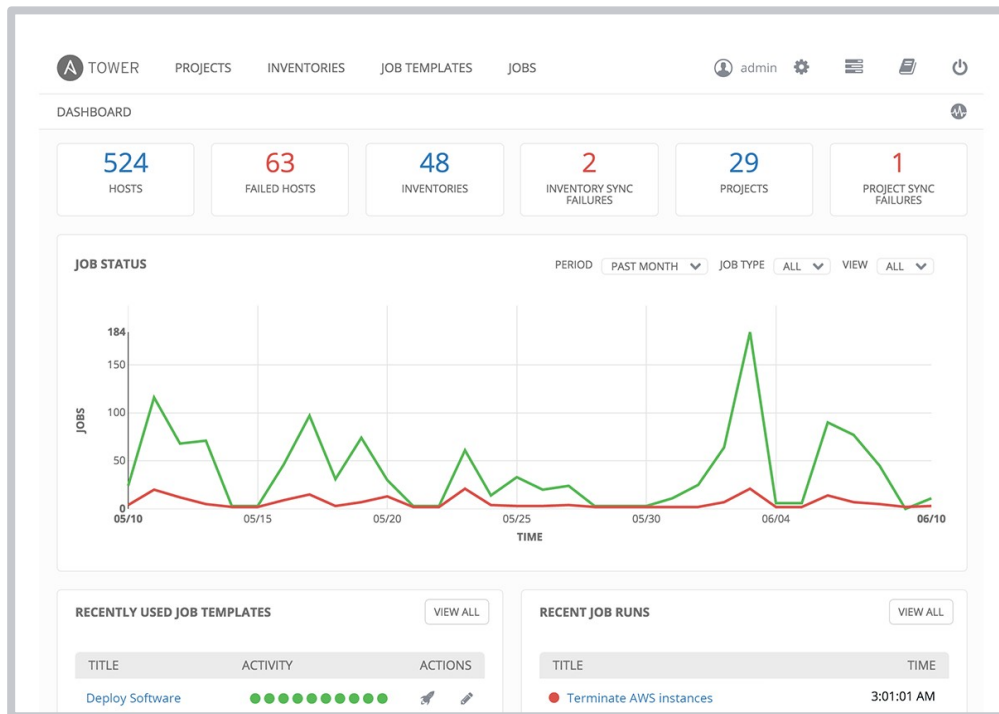
## POWERFUL

Designed for multi-tier deployments

## AGENTLESS

Predictable, reliable, and secure

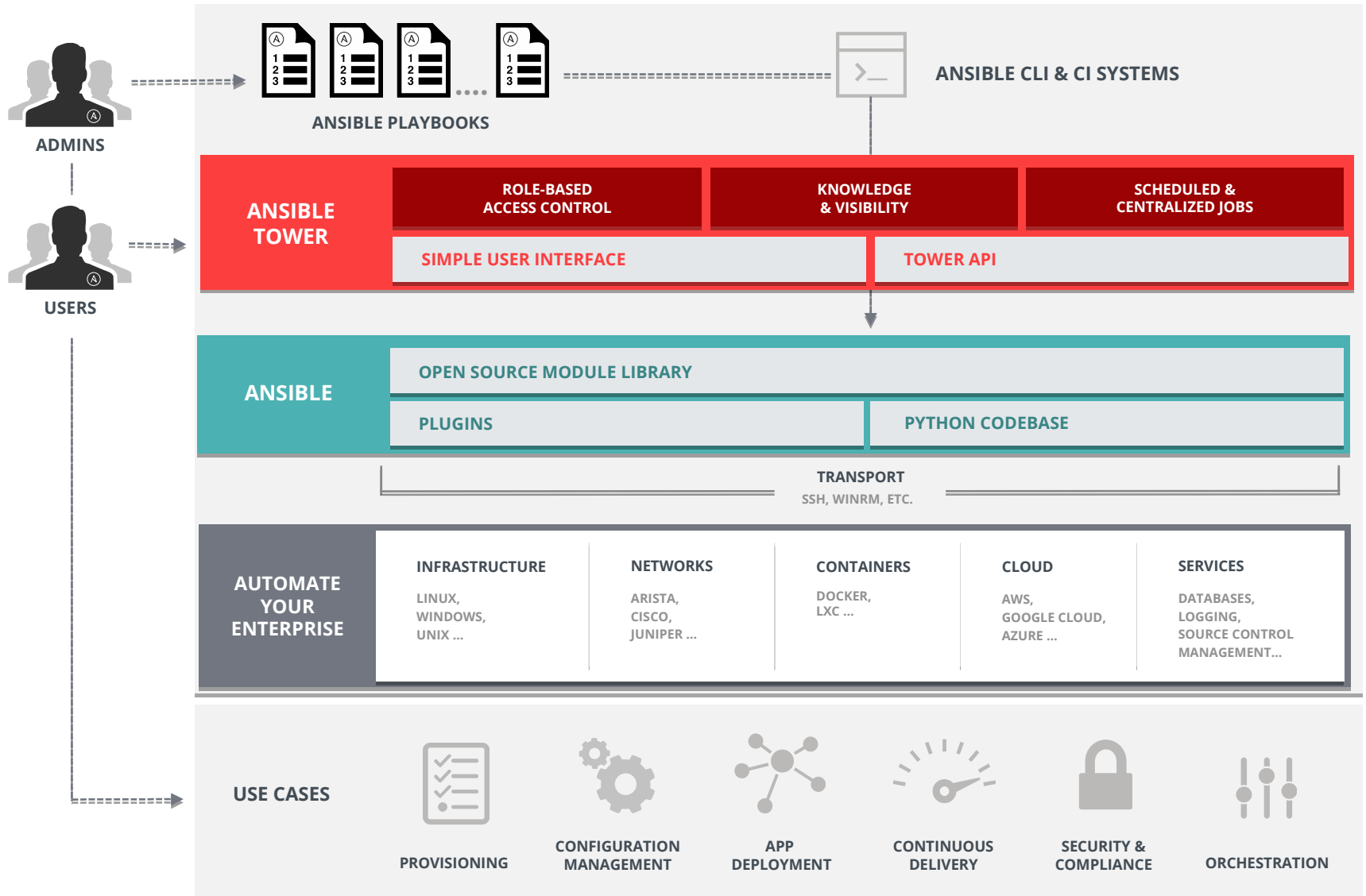
AT ANSIBLE'S CORE IS AN **OPEN-SOURCE** AUTOMATION ENGINE



Ansible tower is an **enterprise framework** for controlling, securing and managing your Ansible automation – with a **UI and restful API**.

- **Role-based access control** keeps environments secure, and teams efficient.
- Non-privileged users can **safely deploy** entire applications with **push-button deployment** access.
- All Ansible automations are **centrally logged**, ensuring **complete auditability and compliance**.
- **Integrates** with the api







## CONFIG MANAGEMENT

Centralizing configuration file management and deployment is a common use case for Ansible, and it's how many power users are first introduced to the Ansible automation platform.



## APP DEPLOYMENT

When you define your application with Ansible, and manage the deployment with Tower, teams are able to effectively manage the entire application lifecycle from development to production.



## PROVISIONING

Your apps have to live somewhere. If you're PXE booting and kickstarting bare-metal servers or VMs, or creating virtual or cloud instances from templates, Ansible and Ansible Tower help streamline the process.



## NETWORK AUTOMATION

Ansible's simple automation framework means that previously isolated network administrators can finally speak the same language of automation as the rest of the IT organization, extending the capabilities of Ansible to include native support for both legacy and open network infrastructure devices.



## CONTINUOUS DELIVERY

Creating a CI/CD pipeline requires buy-in from numerous teams. You can't do it without a simple automation platform that everyone in your organization can use. Ansible Playbooks keep your applications properly deployed (and managed) throughout their entire lifecycle.



## SECURITY & COMPLIANCE

When you define your security policy in Ansible, scanning and remediation of site-wide security policy can be integrated into other automated processes and instead of being an afterthought, it'll be integral in everything that is deployed.

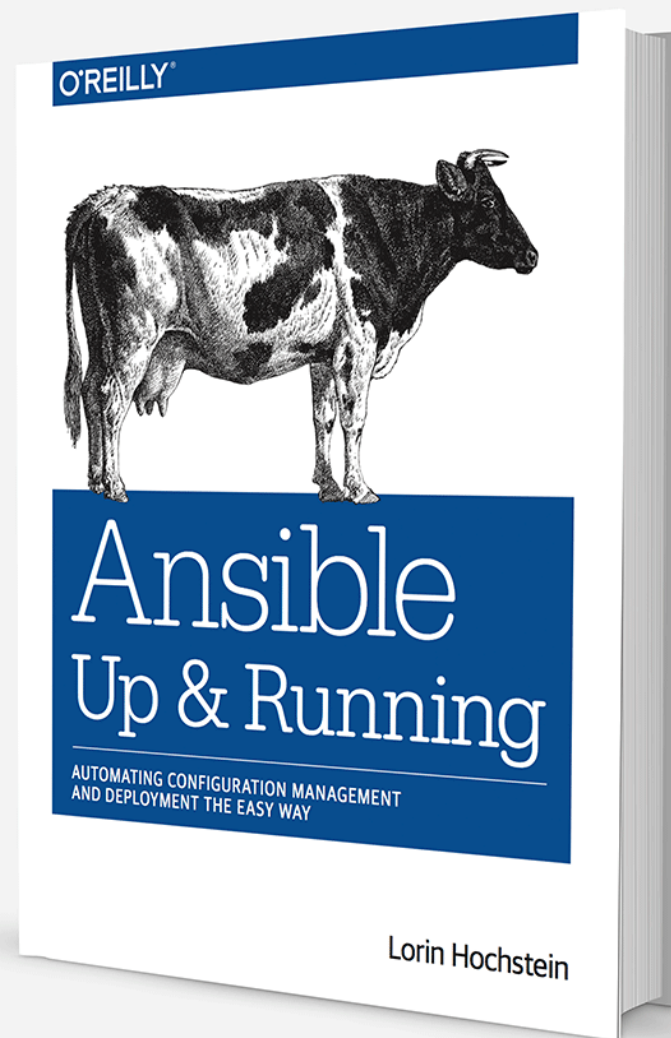


## ORCHESTRATION

Configurations alone don't define your environment. You need to define how multiple configurations interact and ensure the disparate pieces can be managed as a whole. Out of complexity and chaos, Ansible brings order.

## THE MOST POPULAR OPEN-SOURCE AUTOMATION COMMUNITY ON GITHUB

- 17,500+ stars & 5,300+ forks on GitHub
- 2000+ GitHub Contributors
- Over 450 modules shipped with Ansible
- New contributors added every day
- 1400+ users on IRC channel
- Top 10 open source projects in 2014
- World-wide meetups taking place every week
- Ansible Galaxy: over 7,000 Roles
- 250,000+ downloads a month
- AnsibleFests in NYC, SF, London



Docs » Module Index

## Module Index

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### service - Manage services.

- [Synopsis](#)
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- [This is a Core Module](#)

#### Synopsis

Controls services on remote hosts. Supported init systems include BSD init, OpenRC, SysV, Solaris SMF, systemd, upstart.

#### Options

parameter	required	default	choices	comments
arguments	no			Additional arguments provided on the command line aliases: args
enabled	no		<ul style="list-style-type: none"> <li>• yes</li> <li>• no</li> </ul>	Whether the service should start on boot. <b>At least one of state and enabled are required.</b>
name	yes			Name of the service.
pattern	no			If the service does not respond to the status command, name a substring to look for as would be found in the output of the <code>ps</code> command as a stand-in for a status result. If the string is found, the service will be assumed to be running.
runlevel	no	default		For OpenRC init scripts (ex: Gentoo) only. The runlevel that this service belongs to.
sleep (added in 1.3)	no			If the service is being <code>restarted</code> then sleep this many seconds between the stop and start command. This helps to workaround badly behaving init scripts that exit immediately after signaling a process to stop.
state	no		<ul style="list-style-type: none"> <li>• started</li> <li>• stopped</li> <li>• restarted</li> <li>• reloaded</li> </ul>	<code>started / stopped</code> are idempotent actions that will not run commands unless necessary. <code>restarted</code> will always bounce the service. <code>reloaded</code> will always reload. <b>At least one of state and enabled are required.</b>

## **CROSS PLATFORM** – Linux, Windows, UNIX

Agentless support for all major OS variants, physical, virtual, cloud and network

## **HUMAN READABLE** – YAML

Perfectly describe and document every aspect of your application environment

## **PERFECT DESCRIPTION OF APPLICATION**

Every change can be made by playbooks, ensuring everyone is on the same page

## **VERSION CONTROLLED**

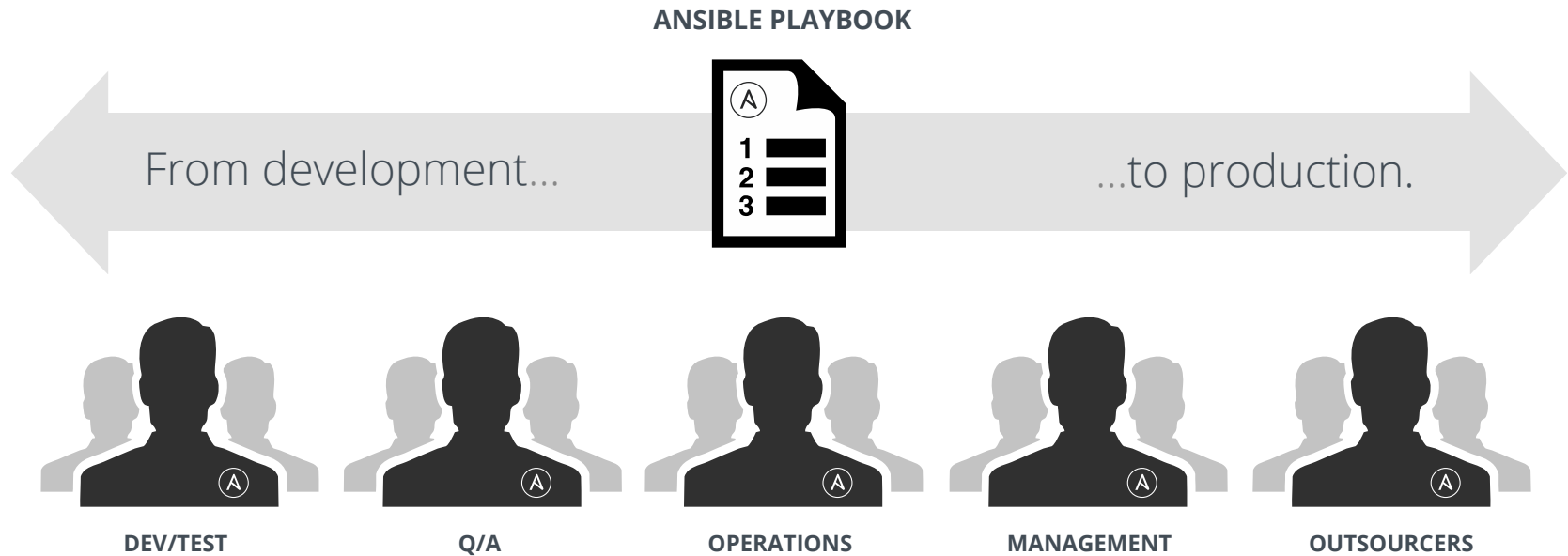
Playbooks are plain-text. Treat them like code in your existing version control.

## **DYNAMIC INVENTORIES**

Capture all the servers 100% of the time, regardless of infrastructure, location, etc.

## **ORCHESTRATION THAT PLAYS WELL WITH OTHERS** – HP SA, Puppet, Jenkins, RHNS, etc.

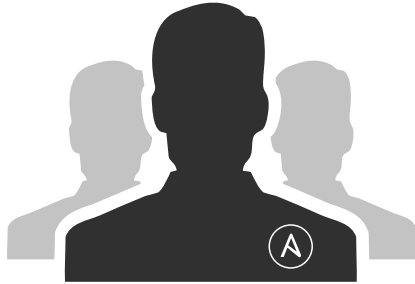
Homogenize existing environments by leveraging current toolsets and update mechanisms.



## COMMUNICATION IS THE KEY TO DEVOPS.

Ansible is the first **automation language** that can be read and written across IT.

Ansible is the only **automation engine** that can automate the entire **application lifecycle** and **continuous delivery** pipeline.



**TEAM IMPACT**



**ENTERPRISE IMPACT**

---

+ Save time and be more productive

+ Overcome complexity

---

+ Eliminate repetitive tasks

+ More resources for innovation

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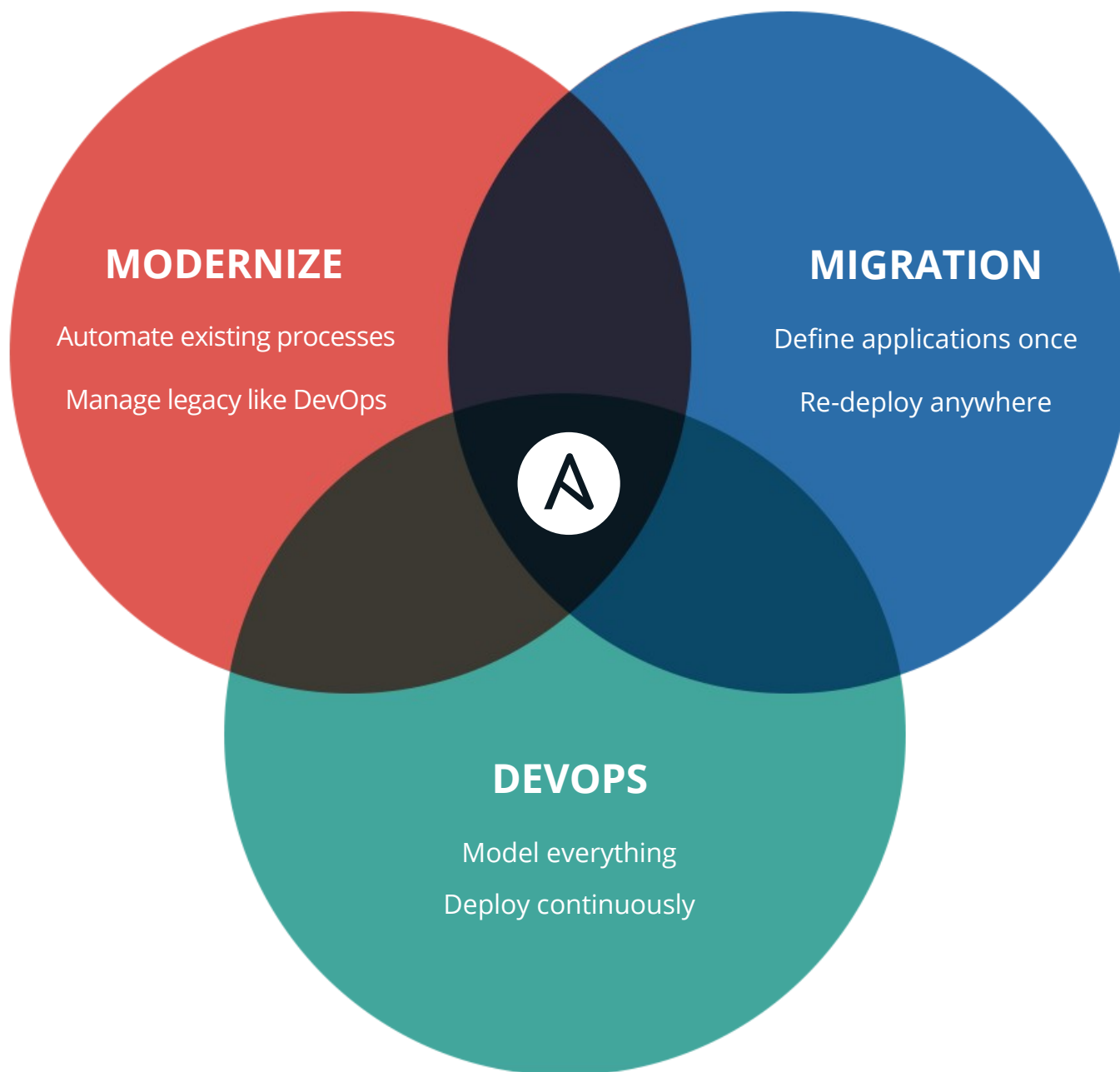
+ Fewer mistakes & errors

+ Increase accountability and compliance

---

+ Improve collaboration and job satisfaction

+ A culture of success





LAMP + HA Proxy + Nagios:

[https://github.com/ansible/ansible-examples/tree/master/lamp\\_haproxy](https://github.com/ansible/ansible-examples/tree/master/lamp_haproxy)

JBoss Application Server:

<https://github.com/ansible/ansible-examples/tree/master/jboss-standalone>

RHEL DISA STIG Compliance:

<http://www.ansible.com/security-stig>

Network automation webinar

<http://bit.ly/2cFnSJG>

Many more examples at:

<http://galaxy.ansible.com>

<https://github.com/ansible/ansible-examples>

# ANSIBLE

## GETTING STARTED

Have you used Ansible already? Try Tower for free:  
**[ansible.com/tower-trial](https://ansible.com/tower-trial)**

Would you like to learn Ansible? It's easy to get started:  
**[ansible.com/get-started](https://ansible.com/get-started)**

Want to learn more?  
**[ansible.com/whitepapers](https://ansible.com/whitepapers)**