



AUTOMATION MADE SIMPLE WITH ANSIBLE TOWER

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WHAT IS ANSIBLE AUTOMATION?

The Ansible project is an open source community sponsored by Red Hat. It's also a **simple automation language** that perfectly describes IT application environments in **Ansible Playbooks**.

Ansible Engine is a **supported product** built from the Ansible community project.

Ansible Tower is an **enterprise framework** for controlling, securing, managing and extending your Ansible automation (community or engine) with a **UI and RESTful API**.









THE ANSIBLE WAY

CROSS PLATFORM

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

VERSION CONTROLLED

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

HUMAN READABLE

Perfectly describe and document every aspect of your application environment.

DYNAMIC INVENTORIES

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

PERFECT DESCRIPTION OF APPLICATION

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

ORCHESTRATION PLAYS WELL WITH

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





WHY ANSIBLE?



SIMPLE

Human readable automation

No special coding skills needed

Tasks executed in order

Usable by every team

Get productive quickly



POWERFUL

App deployment

Configuration management

Workflow orchestration

Network automation

Orchestrate the app lifecycle



AGENTLESS

Agentless architecture

Uses OpenSSH & WinRM

No agents to exploit or update

Get started immediately

More efficient & more secure





ANSIBLE SHIPS WITH OVER 1250 MODULES

CLOUD	VIRT AND CONTAINER	WINDOWS	NETWORK	NOTIFY
AWS	Docker	ACLs	Arista	HipChat
Azure	VMware	Files	A10	IRC
CenturyLink	RHEV	Commands	Cumulus	Jabber
CloudScale	OpenStack	Packages	Big Switch	Email
Digital Ocean	OpenShift	IIS	Cisco	RocketChat
Docker	Atomic	Regedits	Cumulus	Sendgrid
Google	CloudStack	Shell	Dell	Slack
Linode	And more	Shares	F5	Twilio
OpenStack		Services	Juniper	And more
Rackspace		DSC	Palo Alto	
And more		Users	OpenSwitch	
		Domains	And more	

And more...





ANSIBLE AUTOMATION

NETWORK

Use Ansible to manage, validate, and continuously track heterogeneous network device configurations and deployments.

33+

Networking platforms

460+

Networking Modules

ansible.com/networking

WINDOWS

Use Ansible to deploy and manage Windows systems and applications.

70+

Windows Modules

350+

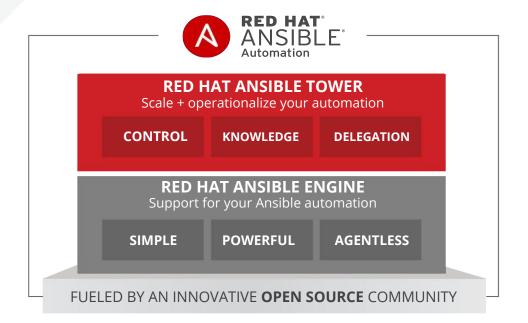
Powershell DSC resources

ansible.com/windows





WHAT IS ANSIBLE TOWER?



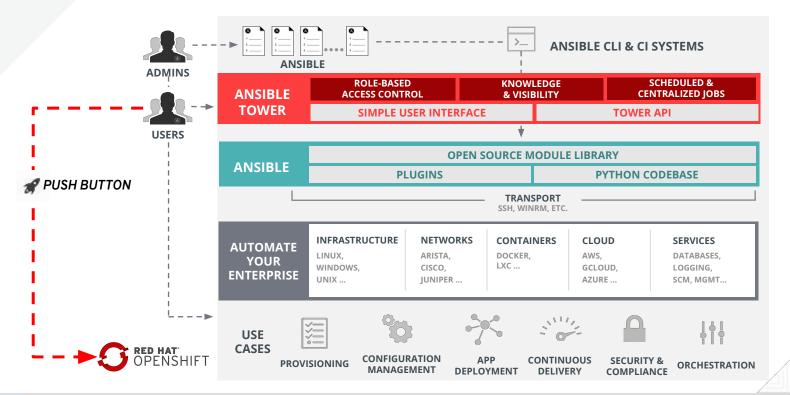
Ansible Tower is an **enterprise framework** for controlling, securing and managing your Ansible automation – with a **UI and RESTful API.**

- Role-based access control
- Deploy entire applications with push-button deployment access
- All automations are centrally logged





FUNCTIONAL ARCHITECTURE







WHAT'S NEW IN TOWER 3.2

ISOLATED NODES

Deploy automation workloads into a DMZ, or other remote locations

ADVANCED INSIGHTS INTEGRATION

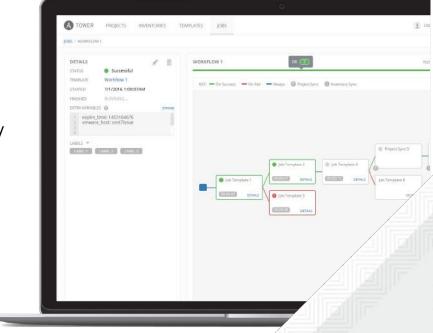
Directly view Red Hat Insights findings, and automatically remediate them

RESERVED EXECUTION CAPACITY

Limit job capacity available to certain user groups

SMART INVENTORY GROUPS

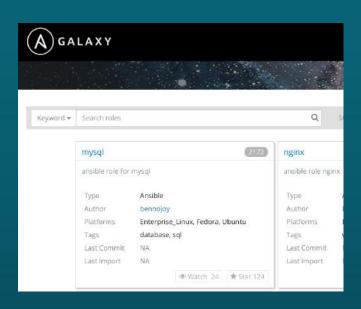
Customize and dynamically create groups of servers based on fact data







ANSIBLE GALAXY



- 10,000 ROLES AT YOUR DISPOSAL
- Re-usable Roles and Container Apps that allow you to do more, faster
- Built into the Ansible CLI and Tower
- galaxy.ansible.com





AUTOMATION = ACCELERATION



"Simplicity scales. If you do things in complex ways, they become very difficult to maintain, and you end up paying a lot more for operations later."

J.CREW

"With Ansible Tower, we just click a button and deploy to production in 5 minutes. It used to take us 5 hours with 6 people sitting in a room, making sure we didn't do anything wrong (and we usually still had errors). We now deploy to production every other day instead of every 2 weeks, and nobody has to be up at 4am making sure it was done right."



"Everyone in this room needs to retool around Ansible automation. All Starbucks network changes will be scheduled using Ansible Tower by the end of 2017."





ANSIBLE RESOURCES

Check out the Ansible website



https://www.ansible.com/ https://galaxy.ansible.com/



