



# Ansible Automation Insights: Ansible Tower

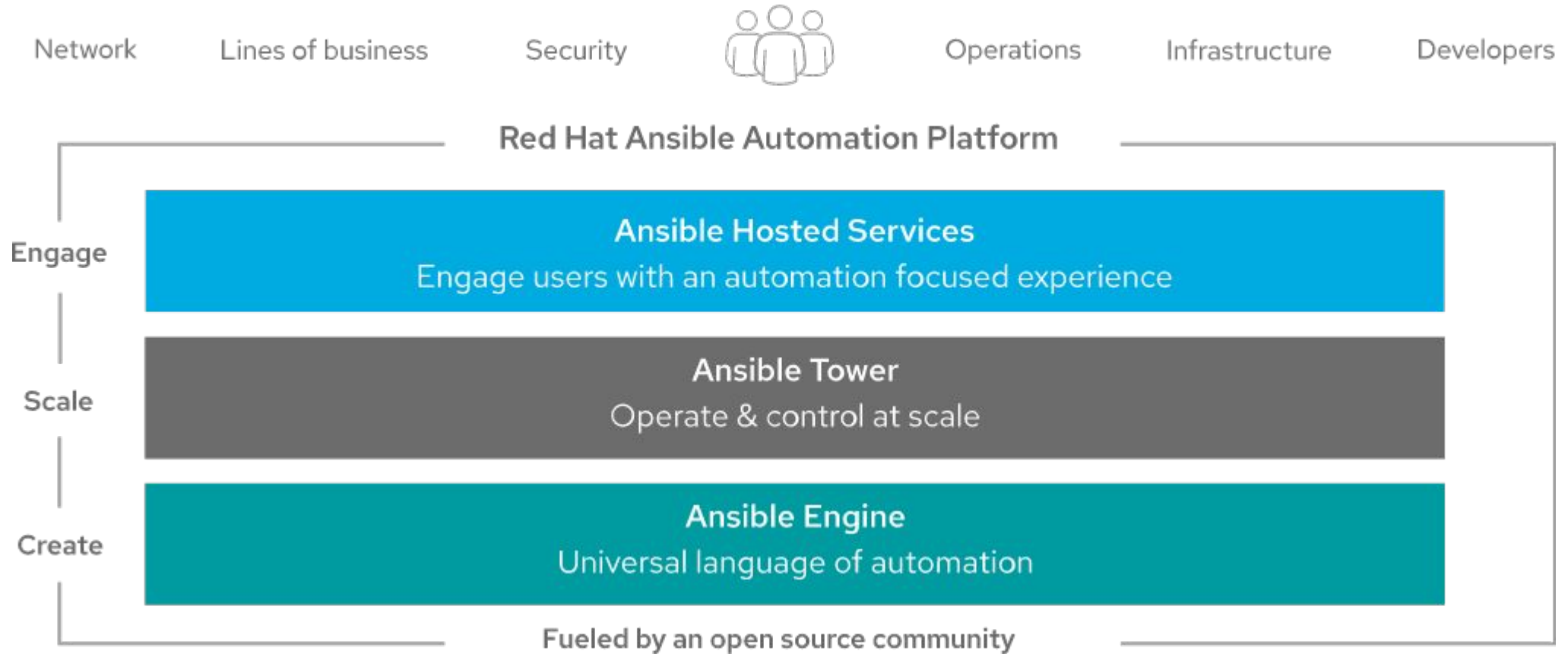
Walkthrough and Demo

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# What we'll discuss today

- ▶ What is Ansible Tower?
- ▶ Tiptoe through the tUllips
- ▶ Setting up and running playbooks in Ansible Tower
- ▶ Creating user surveys for playbooks
- ▶ Using Role-based Access Controls
- ▶ Tower Clusters
- ▶ Automation Analytics

# Ansible Automation Platform



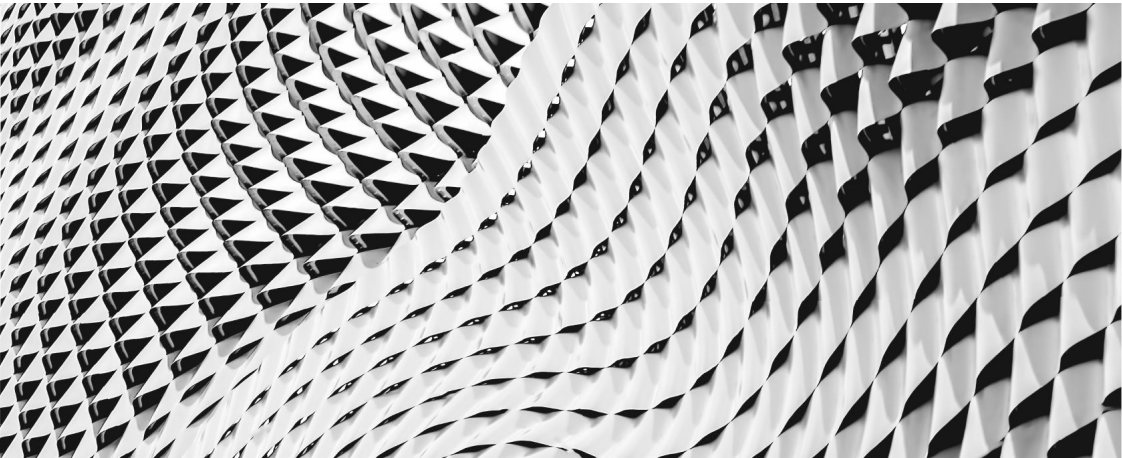
# What is Ansible Tower

Red Hat Ansible Tower is a web console and REST API for operationalizing Ansible across your team, organization, and enterprise. It's designed to be the hub for all of your automation tasks.

Generally, Tower a GUI and API interface for Ansible to be used at an enterprise scale. It includes:

- ▶ Role Based Access Control
- ▶ Full featured API
- ▶ Cloud and scaling flexibility
- ▶ Job workflows
- ▶ So many more...

# Let's take a tour of the UI



Tower is designed as a API first product. Everything that can be done in the UI can be done with the appropriate API call. In fact, the API has more features than the UI does in some cases

# Ansible Tower Administration



## Notifications

Configure email or application notifications at job launch and/or completion



## Management Jobs

Jobs configured to keep Tower running smoothly, or at least the database reasonably sized



## Applications

Interface with applications outside of tower



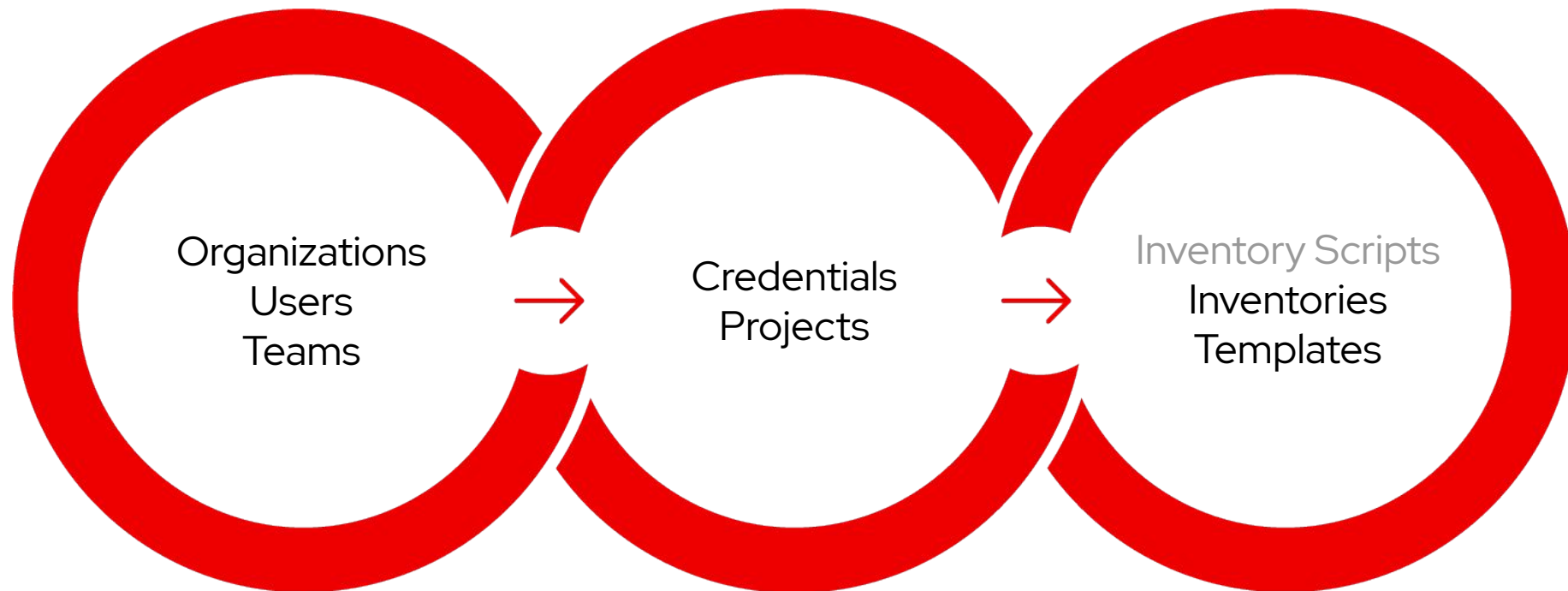
## Settings

Configure external authentication, logging, UI settings, and your license file



# Building your project in Tower

Reducing the back and forth with the correct order



## Our assignment

We currently have a playbook, inventory, and variables in a git repository:

<https://github.com/dsglaser/home-tower-playbooks.git>

Our boss has tasked us with moving the patch-config.yml playbook into our new Ansible Tower:

- ▶ From the System Team, Reegan and Ana can run it, Kiri is an admin, and Niko from the Network Team cannot access it.
- ▶ The job should query the user for the selinux mode.
- ▶ It should run on whatever hosts are defined in the repository in case more are added in the future

Access to the machine from the Tower controller is already configured.



# Configuring Ansible Tower

Keeping your project files in source control has many benefits

- ▶ Changes made to the repository can automatically be updated in Tower
- ▶ Can separate developers of repository separate from executors.
- ▶ Resilience to local machine failure(s)
- ▶ And of course, versioning control!

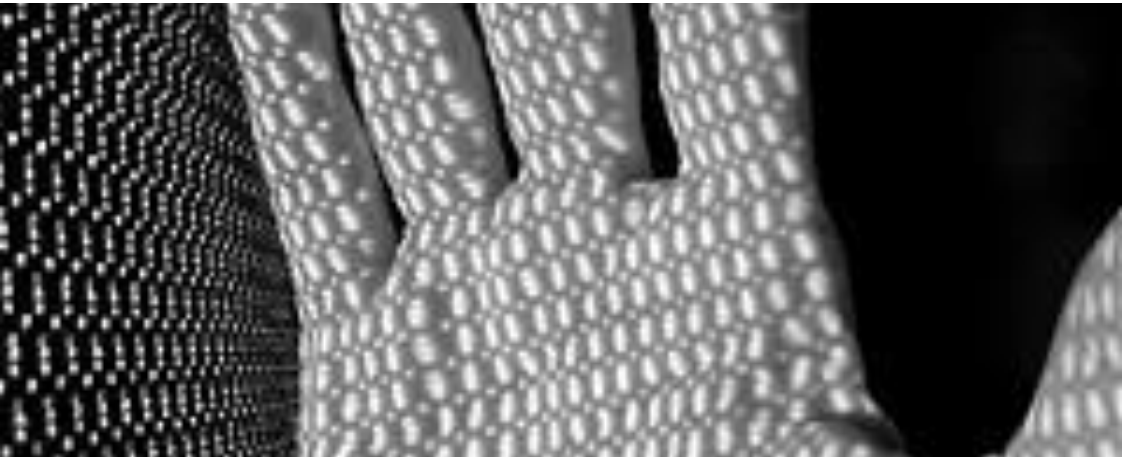


Ansible Tower provides a stand-alone product as well as a clustered product for larger enterprise environments.

# Tower Stand-alone vs Cluster

Technology	Stand-alone	Cluster
Database	Embedded or external	External only
Message Queue	N/A	redis
Connectivity	Direct connection to all hosts	Isolated nodes
Scalability	Hundreds of hosts	Tens of thousands of hosts

# Automation Analytics



Automation Analytics provides a visual dashboard, health notifications, and organizational statistics across different teams using Ansible. Analyze, aggregate, and report on data for your Red Hat Ansible Automation Platform deployments, and see how your automation is running in your environment.

# Automate away!

Official Ansible Docs - <https://docs.ansible.com>

Ansible Automation Platform - <https://www.redhat.com/en/technologies/management/ansible>

Ansible Galaxy - <https://galaxy.ansible.com>

Automation Analytics - <https://cloud.redhat.com/ansible/automation-analytics/>

# Questions? Comments? Gripes?

# Thank you

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