

Red Hat Certified Specialist in Advanced Automation: Ansible Tower Basics

Getting Started with Ansible Tower



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Course Introduction



Module Introduction



Environmental Landscape Challenges



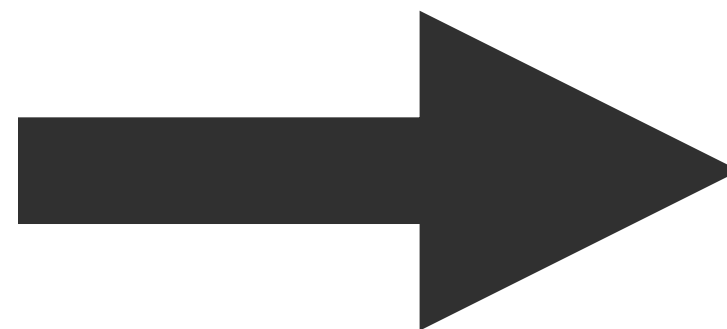
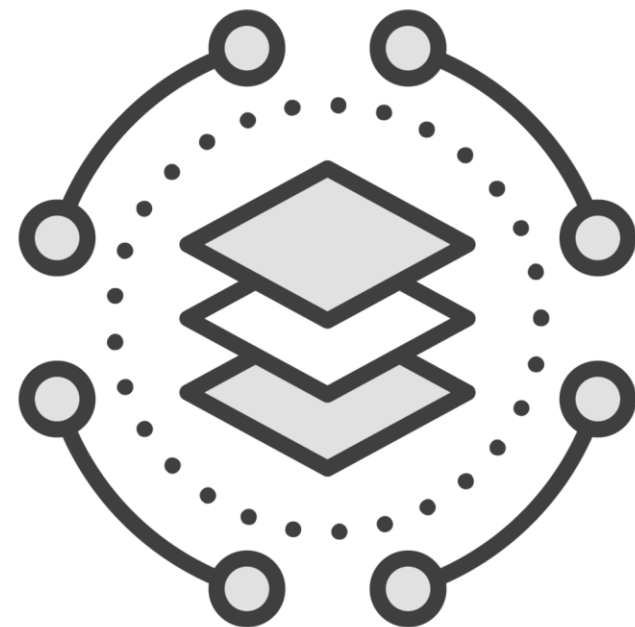
The popularity of Ansible
Inconsistent environments

The issues around playbooks

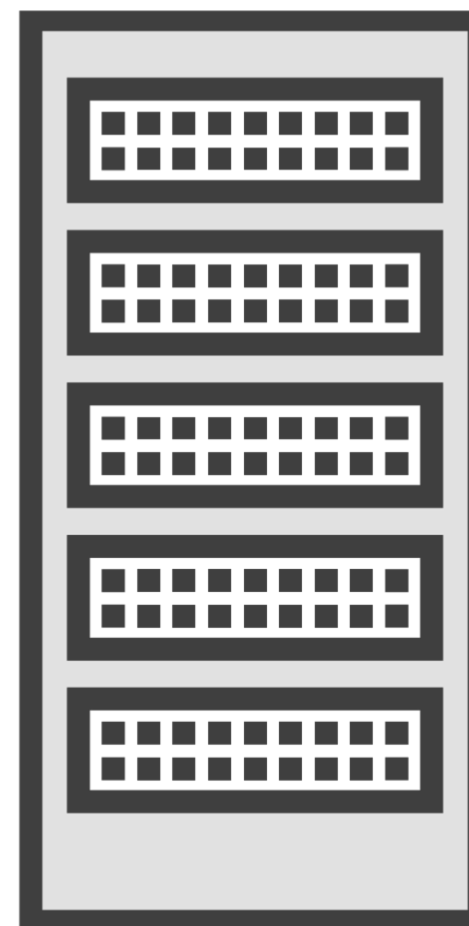
- Multiple playbooks
- Playbook storage
- Playbook logging
- Playbook security
- Advanced features

● Central Point ●

Ansible Tower



Visibility



Advanced
use cases



Operationalizing Automation

 Development

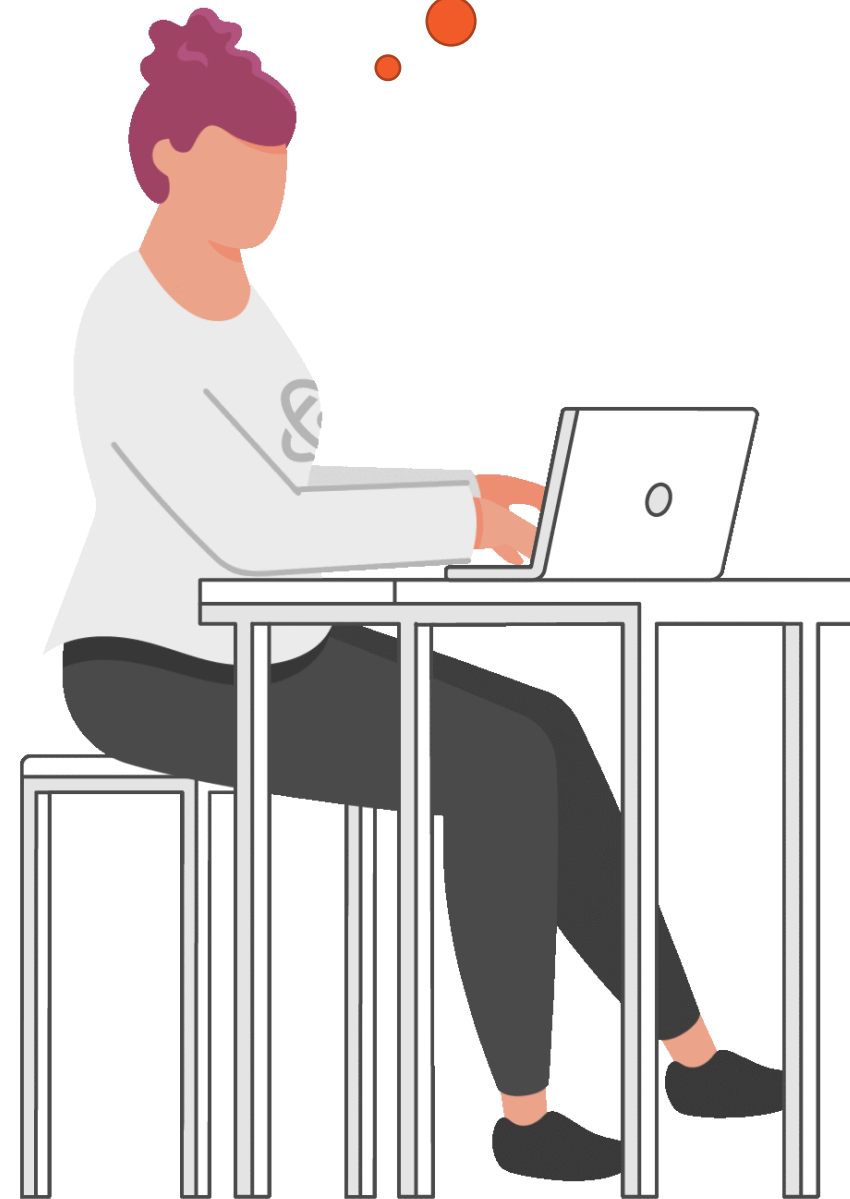
 Testing

 Staging

 Production



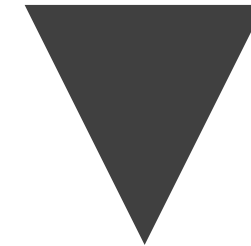
Gina on
Ansible
CLI



Single machine

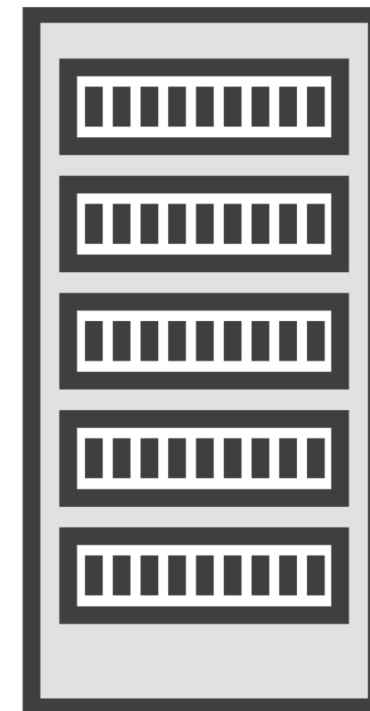


Python

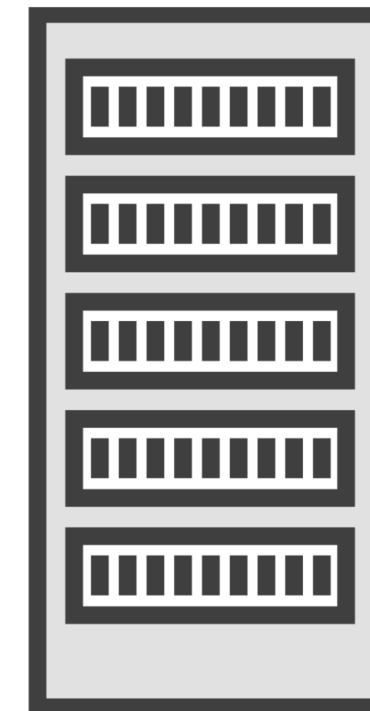


Playbook.yml

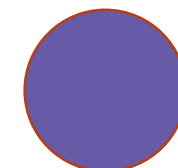
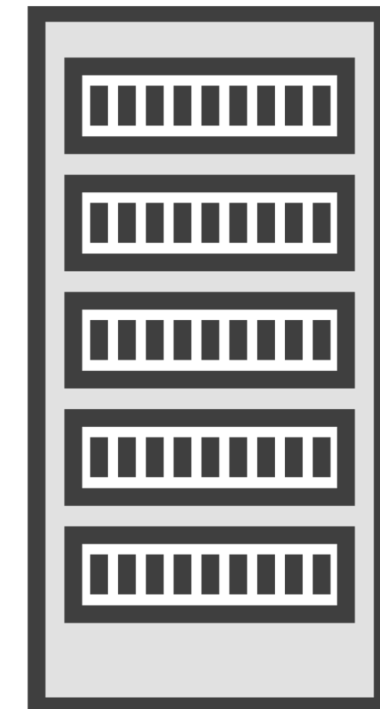
Hosts



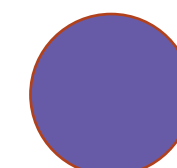
Hosts



Hosts



Variables

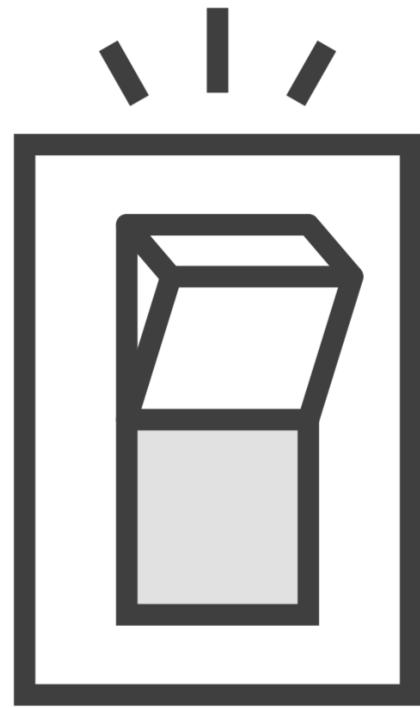


Collections and
Roles

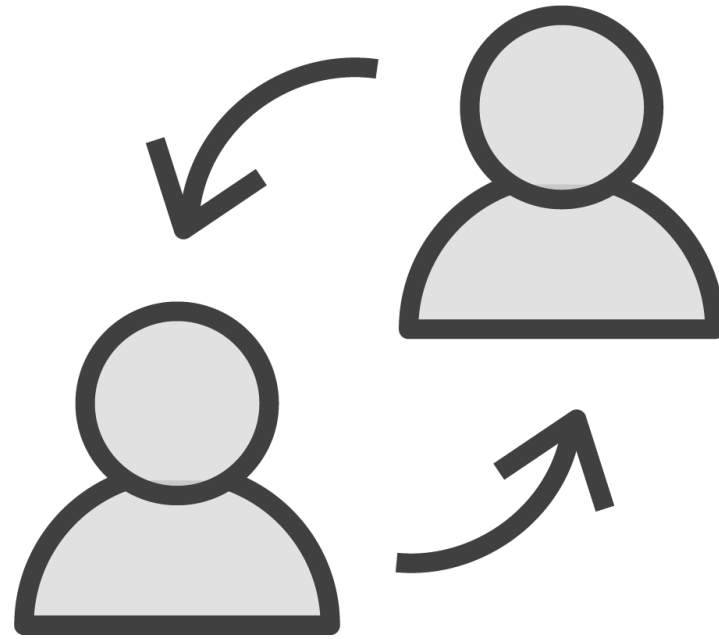
Loops,
variables,
filtering!!



Expanding Automation



**Enterprise
level**



**Holistic
automation**



Better control



**Logging and
integration**

Recap on Automation

Variables

Modules and tasks

Handlers

Plays and playbooks

Vars section

Privileges

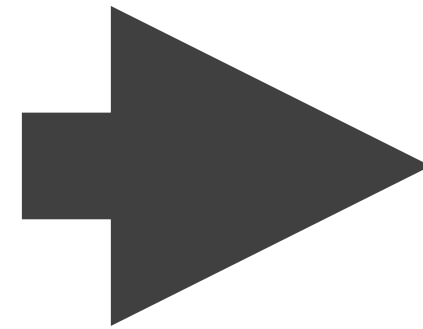


What am I automating?

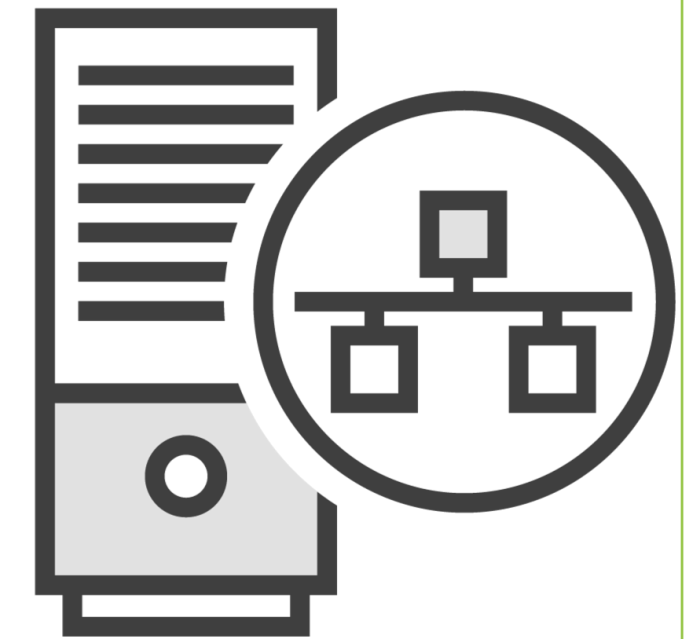
Ansible Play

Tasks

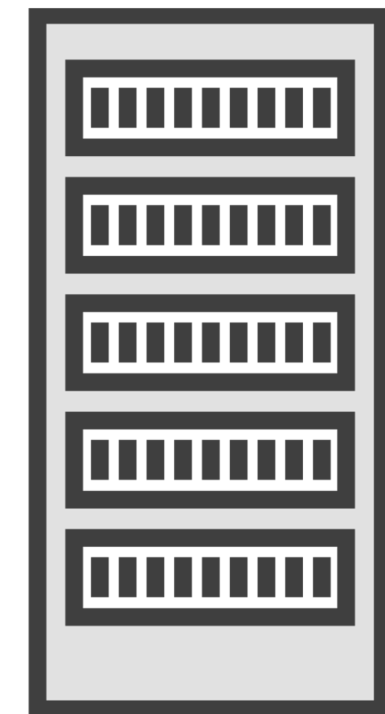
- Name
- Module
- Arguments
- Directives



TASKS



Execution



Recap on Automation

Variables

Modules and tasks

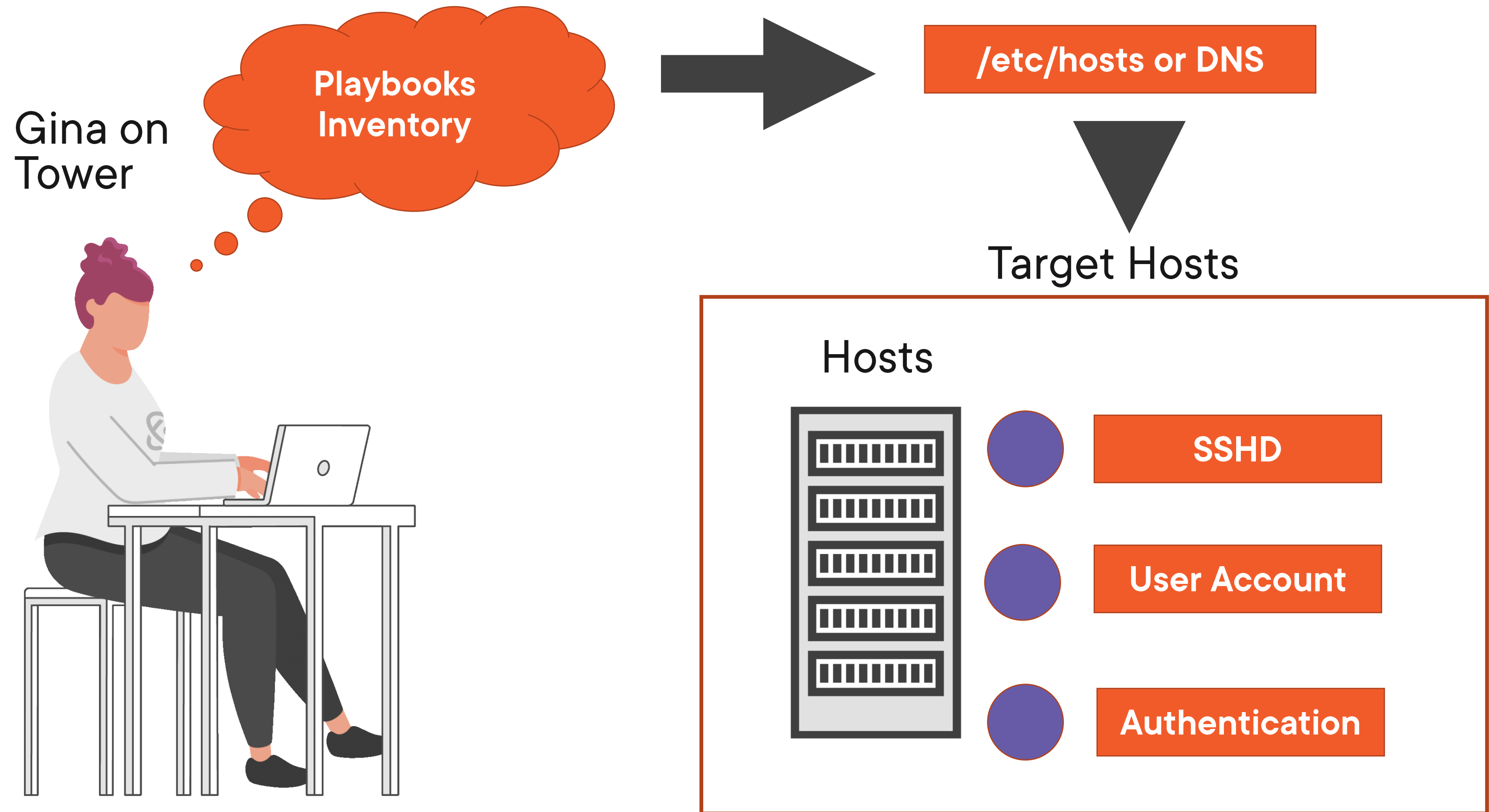
Handlers

Plays and playbooks

Vars section

Privileges

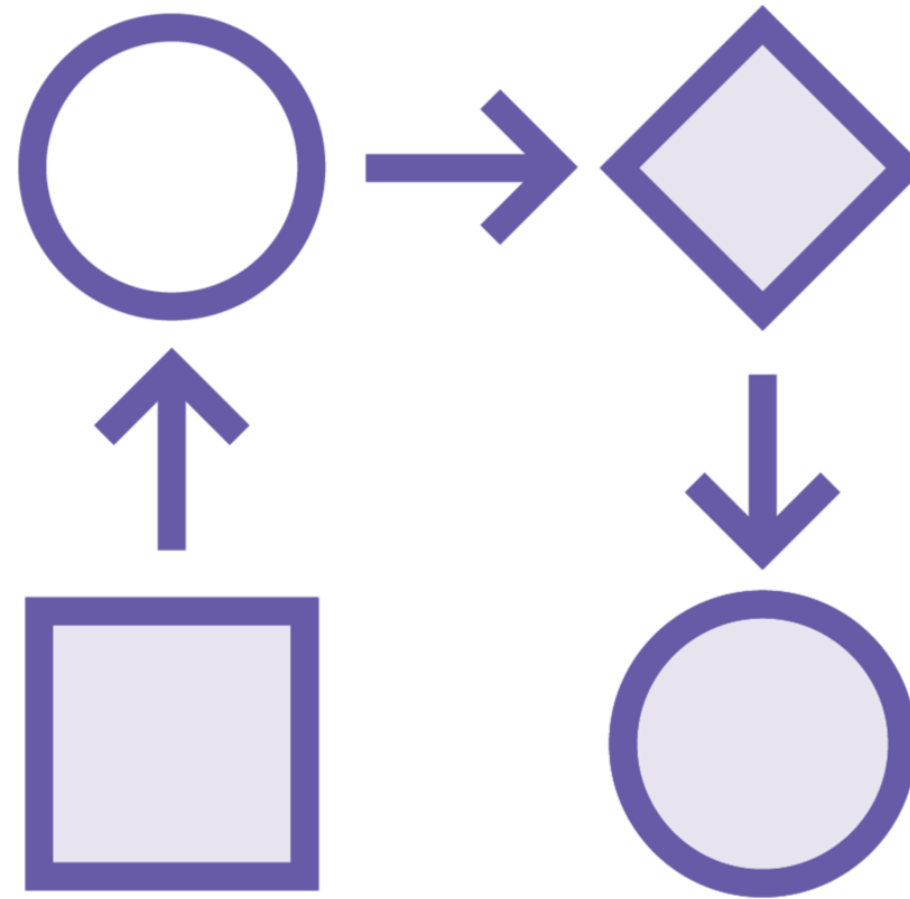




Highlighting Ansible Tower



Tower and AWX



Enterprise features



Automation platform

Tower Features



Workflow designer

Job scheduling

Role-based access control

SCM integration

Credential management

Centralized metrics and logging

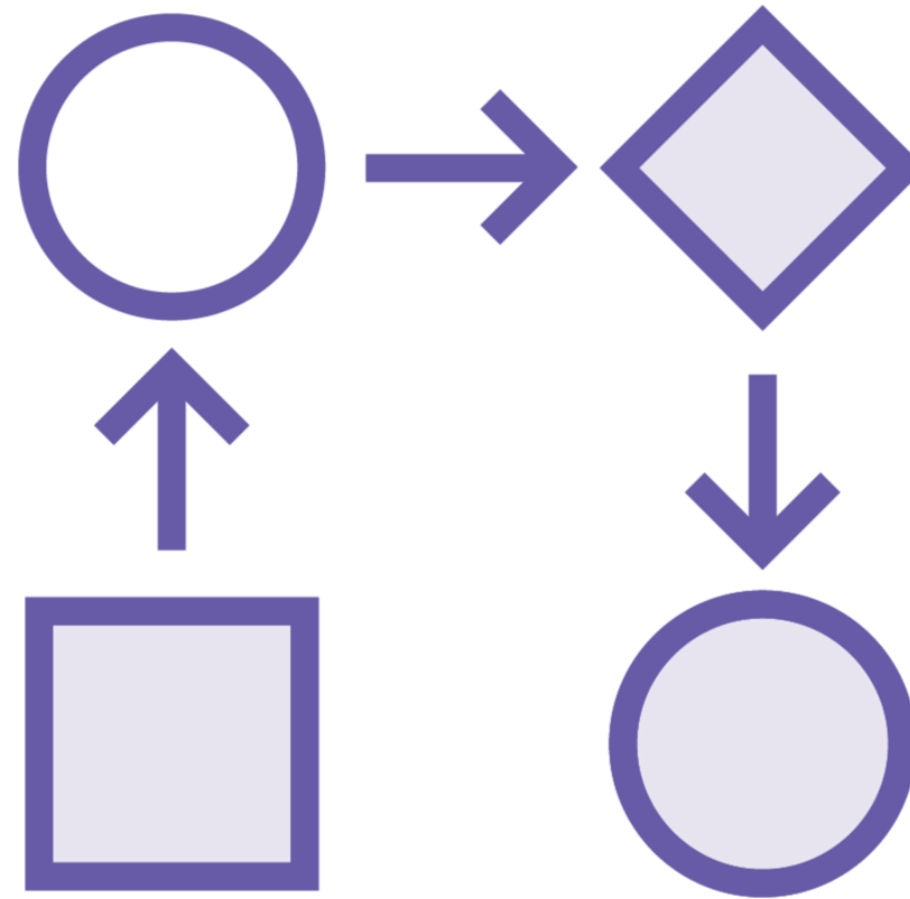
REST API and Tower CLI tool



Highlighting Ansible Tower



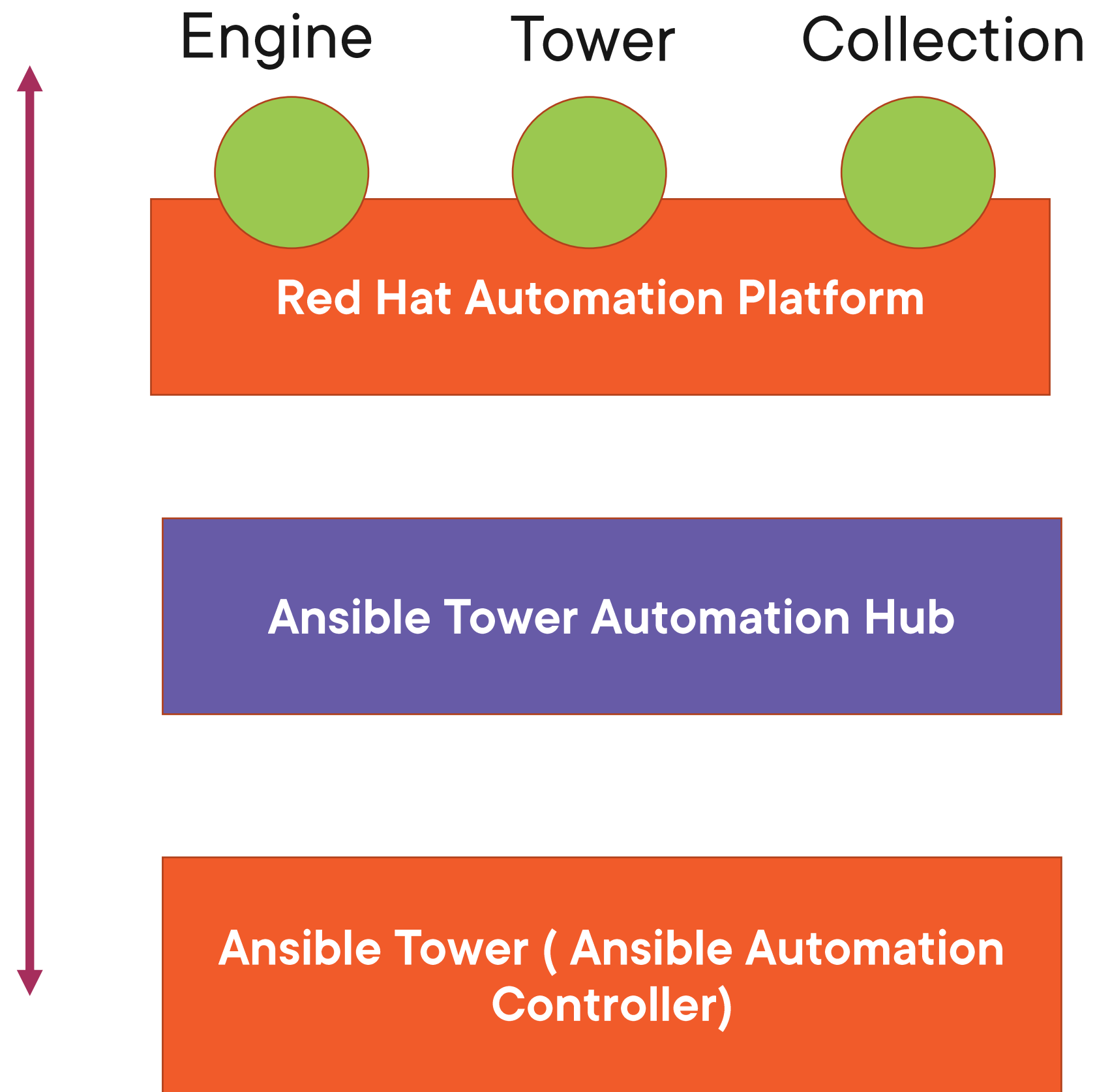
Tower and AWX



Enterprise features



Automation platform



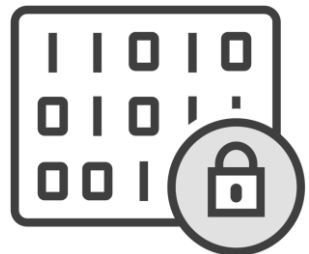
Autonomy of an Automation Job



New objects: Job templates



Playbooks and projects



Credential management



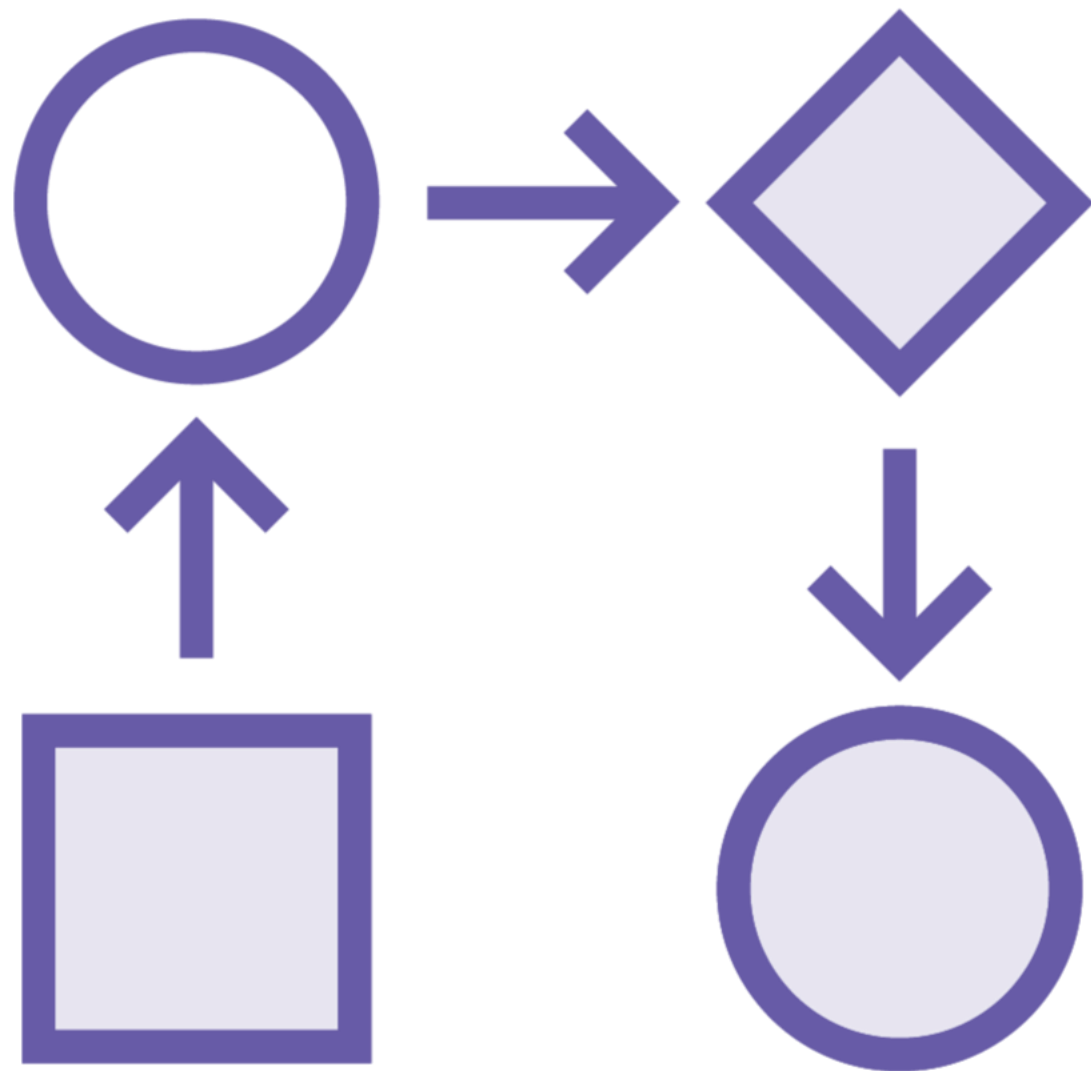
Inventory



Automation job



Recap of the Stages



Define a project

Define an inventory

Define credentials

Define a template

Main Tower Components

**Tower projects and
playbooks**

Inventory

Templates

Job or workflow

Upfront information

A quick tip



Ansible Tower Projects

Project:
Pluralsight

Playbook A



Playbook B



Main Tower Components

**Tower projects and
playbooks**

Inventory

Templates





Job or workflow

Upfront information

A quick tip



Everything Is a Job

-  Playbook run
-  Task run
-  Source control
-  Everything!



Main Tower Components

**Tower projects and
playbooks**

Inventory

Templates

Job or workflow

Upfront information

A quick tip



Module Summary

