

Going Deeper on the Use Cases



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Module Introduction



Key components of an automation journey

Workflow templates

Advanced security use cases

Infrastructure integration

Demos





Highlighting project management

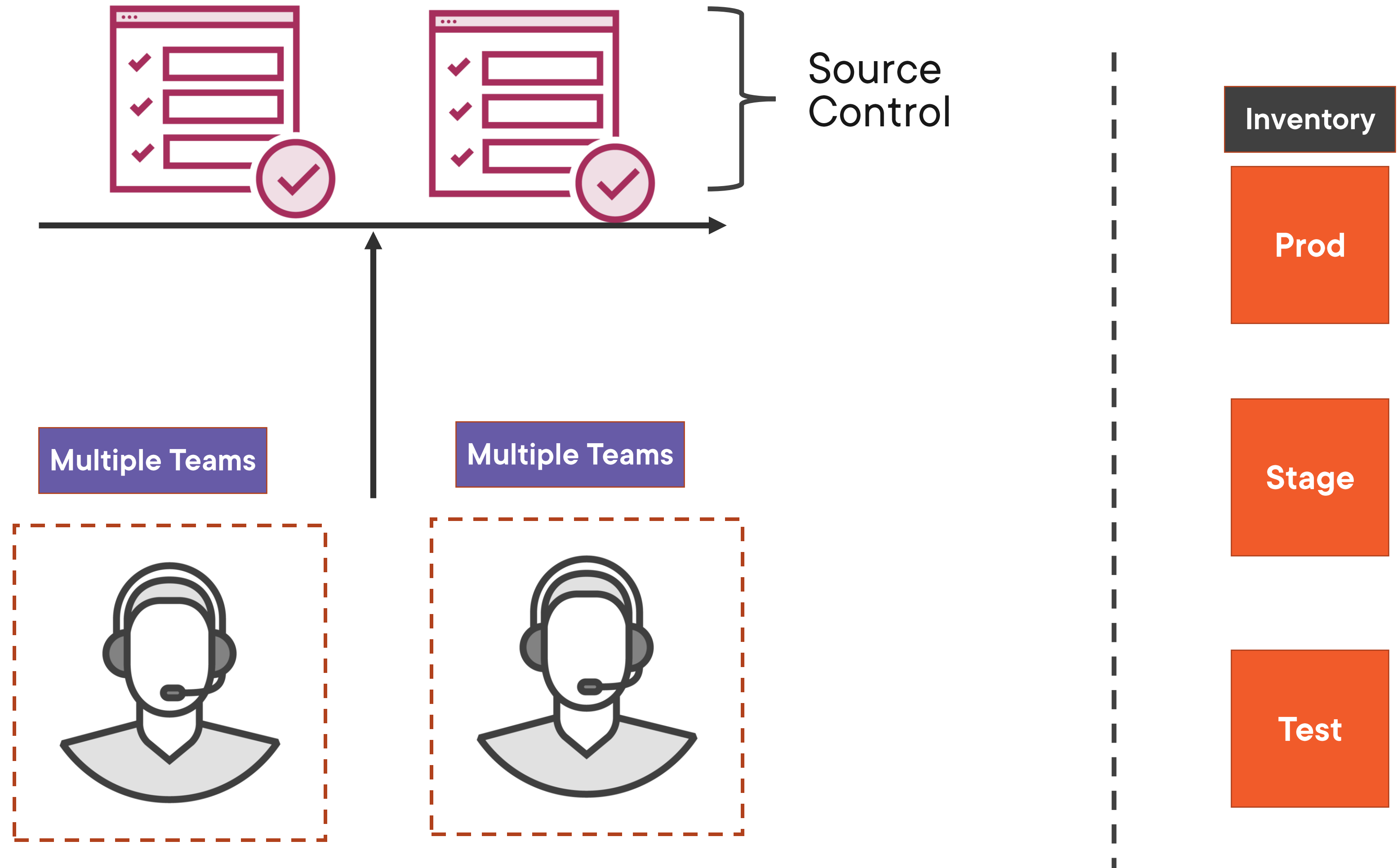
Improving the process flow

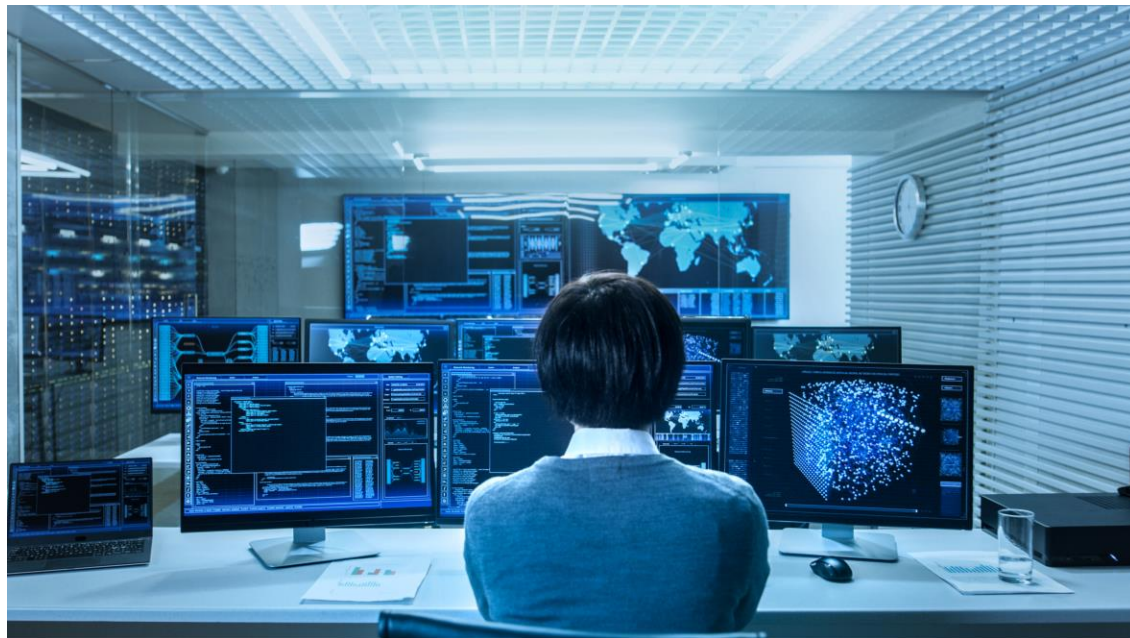
Source control and branching

Benefits of source control

- Drive consistency
- Git branches
- Personal Access Token (PAT)







Highlighting project management

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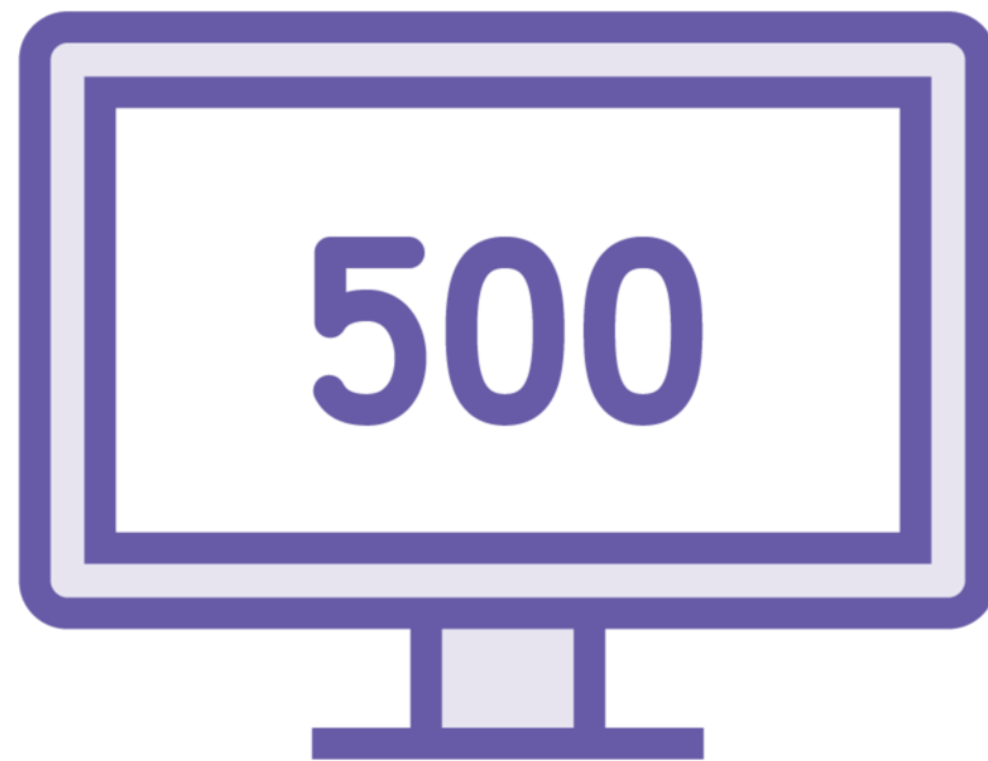
- Drive consistency
- Git branches
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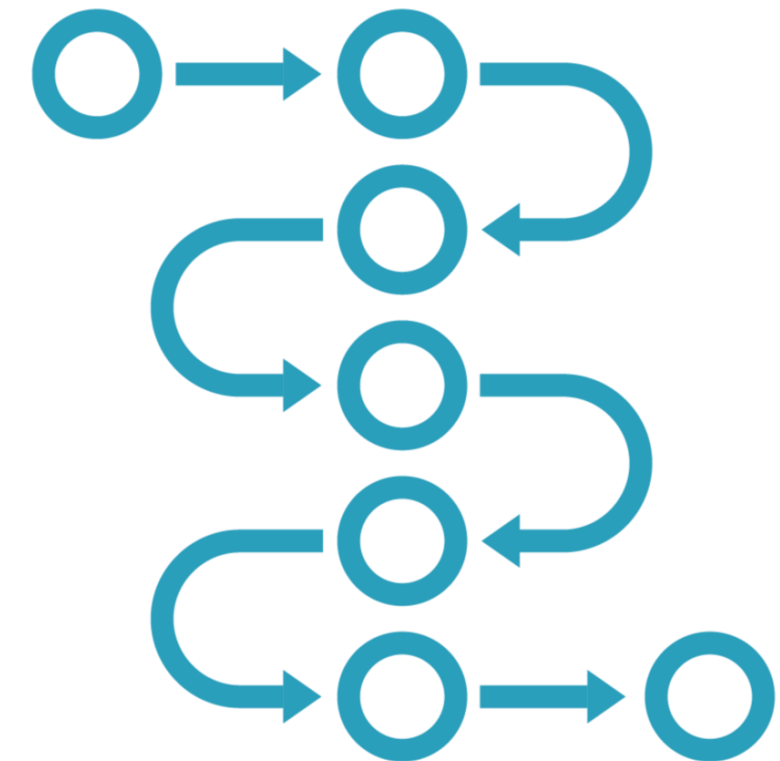
Ansible Tower Project Options



**Update revision on
launch**

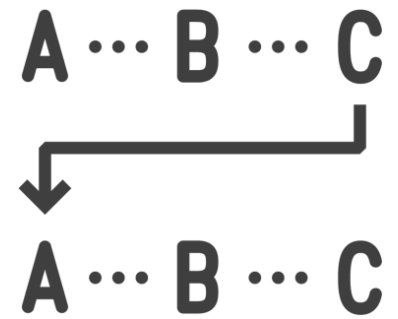


**Removes
inconsistencies**



**Get latest SCM
revision**

Ansible Tower Credentials



Machine credentials and job templates



Credential use cases



Ansible vault



Demo



Recap

 Project control

 Inconsistency

 Source control

 PAT token



Tower Inventory Types

Basic inventory

Dynamic inventory

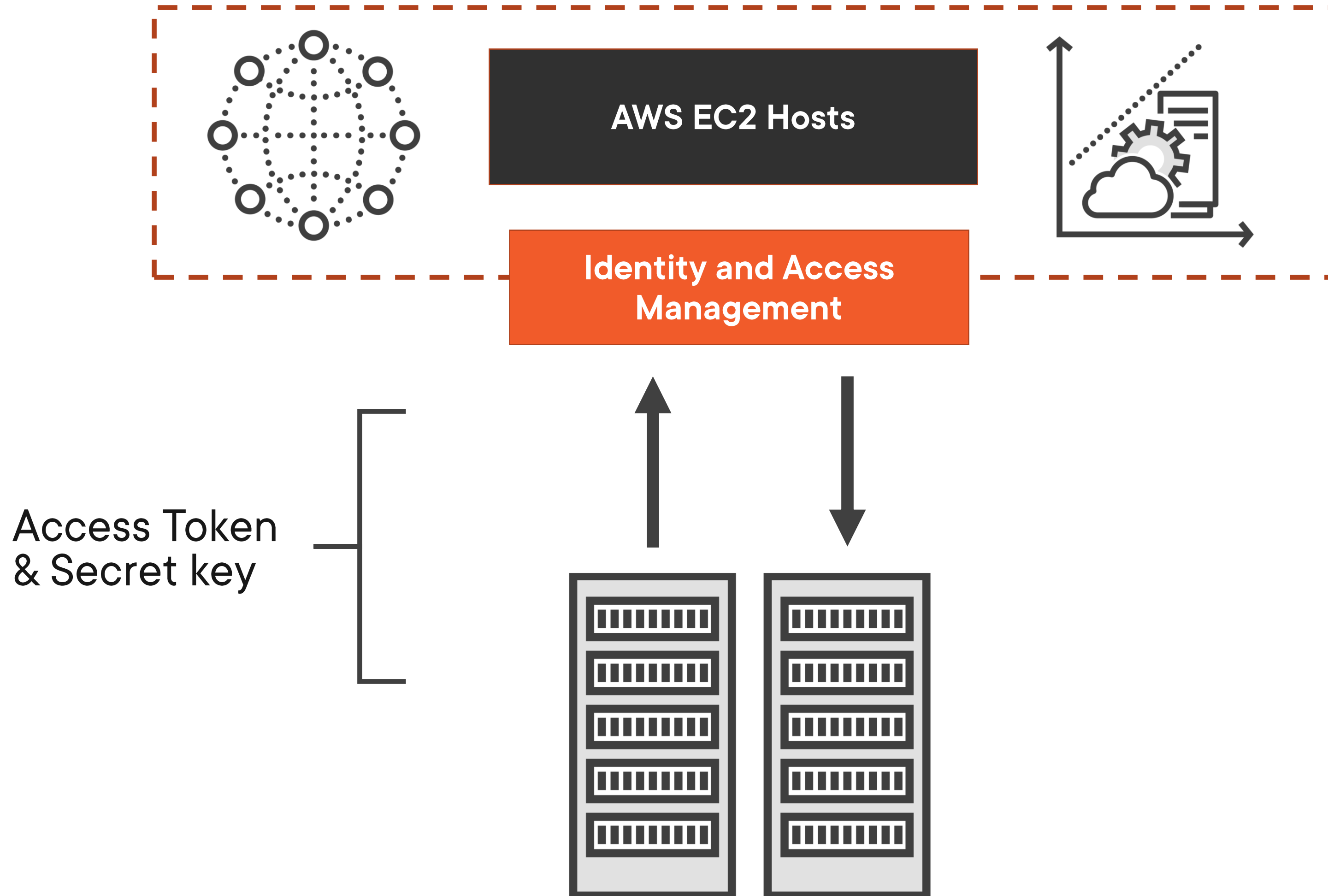
**Dynamic inventory
examples**

AWS and IAM

Smart inventory

**Smart inventory
benefits**





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**Dynamic inventory
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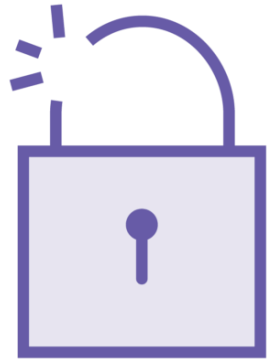
**Smart inventory
benefits**



Demo



Tower Job Templates



Everything revolves around job templates



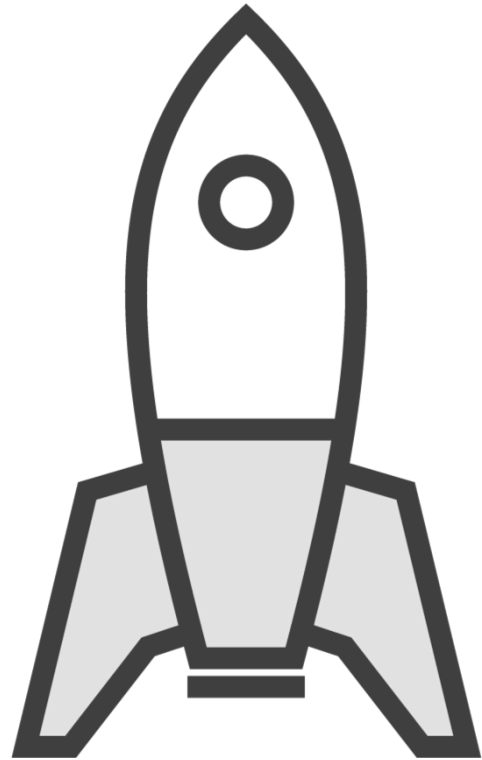
Job template benefits



Job template vs workflow templates



Job Templates Options



Prompt on launch

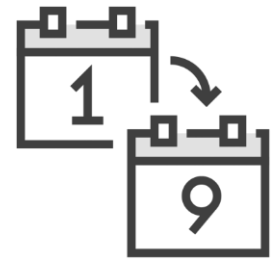


**Prompt on launch use
case**



Fact caching

Workflow Templates



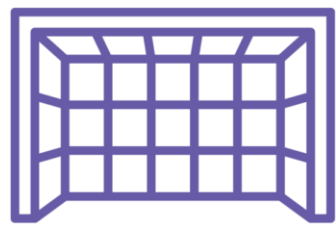
Create a sequence of events



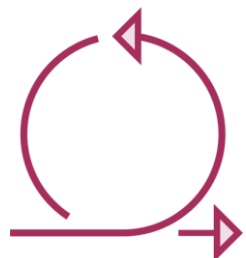
Links disparate resources



Workflow visualizer



Different teams, playbooks and credentials



Complex dependencies and workflow approval

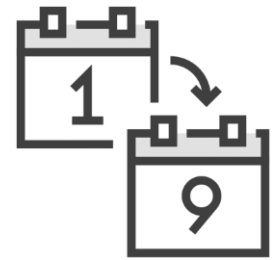




Job templates
Workflow templates
Project sync
Inventory source sync



Workflow Templates



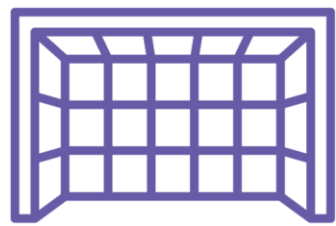
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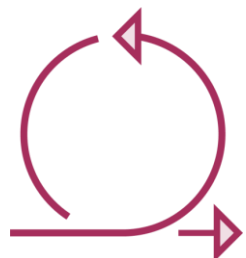
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Demo



Security Automation



Challenges to security

Ansible is the common language

Example: System hardening

Example: Network security

Example: OpenScap and playbook integration



Improving Security

**Pre-approved
policies**

**Security-focused
content**

**Reduce
misconfiguration**

RBAC and IAM

Auditing



Recommended Approach

 Single project

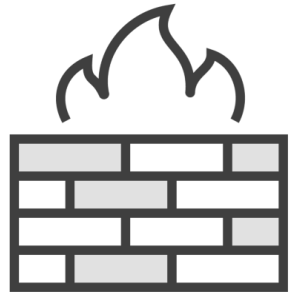
 Limited tasks

 Repetitive

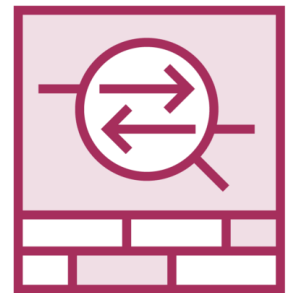
 Patching



Common Security Integrations



Firewalls: Speed up policy and log collection



IDPS: Rule and log management



PAM: Rotation and management of credentials



Endpoint protection: Assist with Management



Security Use Cases

**Response and
remediation**

**Investigation
enrichment**

Threat hunting

Incident response

**Detection and
triage**



Module Summary



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