



# Using Configuration as Code on AAP

Understanding configuration as code for the Ansible Automation Platform

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# Benefits

- Using Git allows for keeping track of changes and avoids manual mistakes, and have a review process.
- Standardization of Data model for all objects in Controller/AWX
- Only include the options you need to change for each object
- Roles are imported, Focusing on creating Playbooks and workflows and spend less time on how to interact with Controller.
- Able to use the collection in CI/CD process or webhooks to manage objects in Controller as merges are made to projects in Git to achieve Infrastructure as Code.

## Sample File

```
---
- name: Playbook to configure ansible controller organizations
  hosts: localhost
  collections:
    - redhat_cop.controller_configuration
    - awx.awx
  vars:
    controller_hostname: https://controller.example.com
    controller_username: admin
    controller_password: password
    controller_organizations:
      - name: Satellite
      - name: Default
    controller_projects:
      - name: Demo project
        organization: Default
        scm_branch: master
        scm_type: git
        scm_update_on_launch: true
        scm_url: https://github.com/ansible/tower-example.git
  roles:
    - organization
    - projects
```

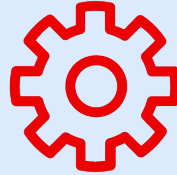
- Simple data structure
- Store configuration in Git to bring version control and other benefits

## Putting it all together

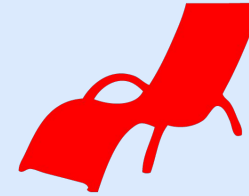
Eureka!



Set Objects in Git



CI/CD



Sit back and relax



# Thank you

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# Important links

## Links:

### Lab Login page

<https://summit.demo.redhat.com/>

### Lab

[https://aap2.demoredhat.com/exercises/ansible\\_config\\_as\\_code/](https://aap2.demoredhat.com/exercises/ansible_config_as_code/)

### Ansible Galaxy infra collections

<https://galaxy.ansible.com/infra/>