puppet



ANSIBLE

BY

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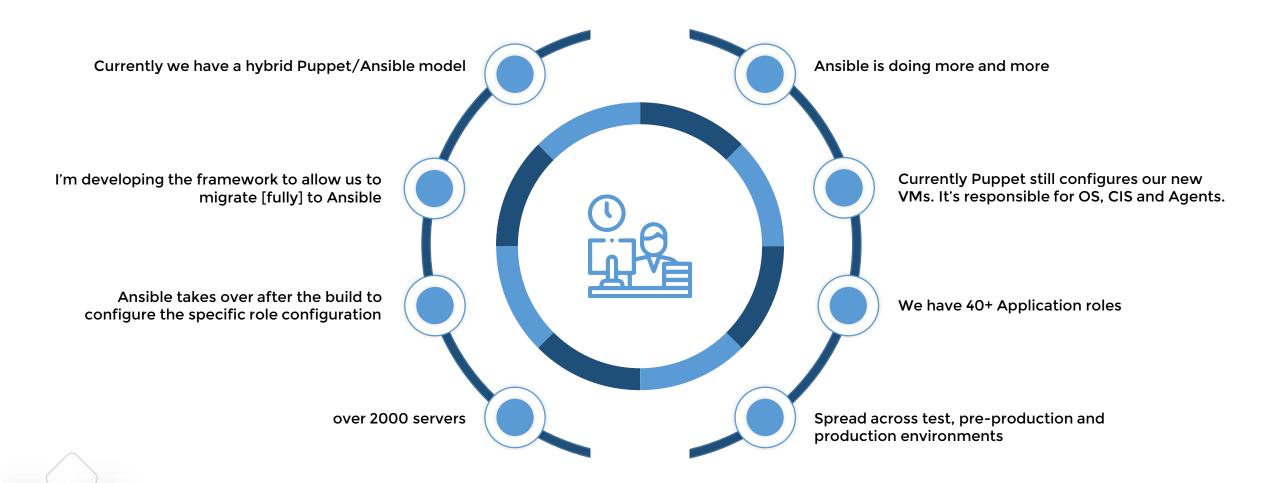
ABOUT ME

- I love automation!
- I've been working with Ansible for 5 years.
- I founded the LondonIAC meetup and its YouTube Channel
- Used to work for Red Hat.
- Published author... (wiley) "Automation with puppet 5".
- I now work at WorldPay.
- My roles is 80% writing ansible (updating or writing new).
- I like to keep it simple.





MY ENVIRONMENT

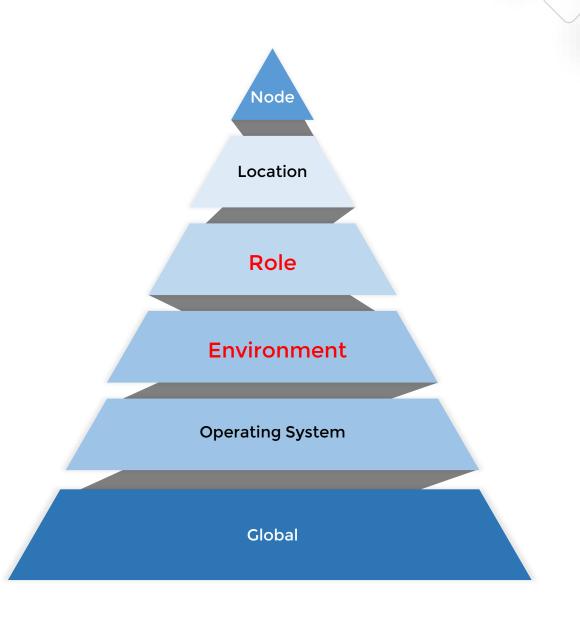


PUPPET AND HIERA

WHAT IS HEIRA?

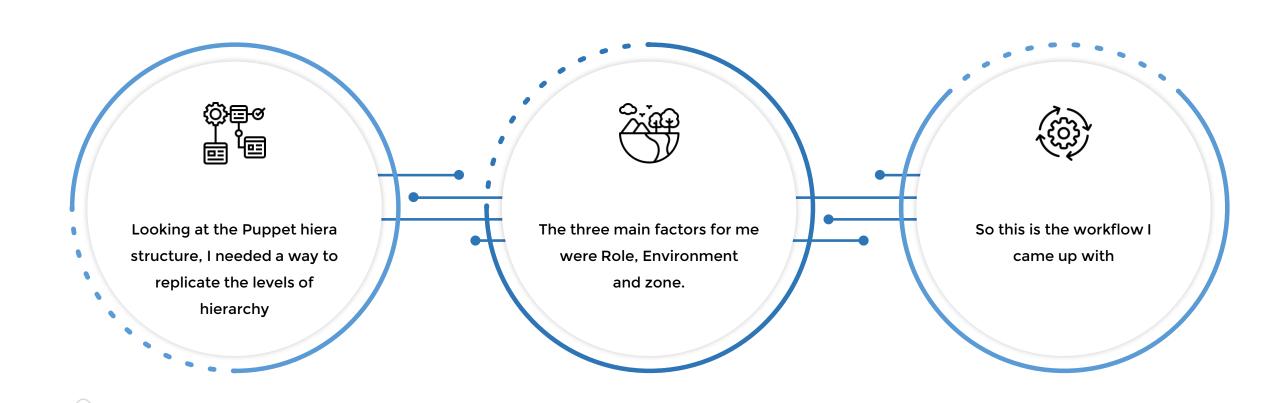
Hierarchy is a way to structure an organization using different levels of authority and a vertical link, or chain of command, between superior and subordinate levels of the organization.

Higher levels control lower levels of the hierarchy. You can think of an organizational hierarchy as a pyramid.

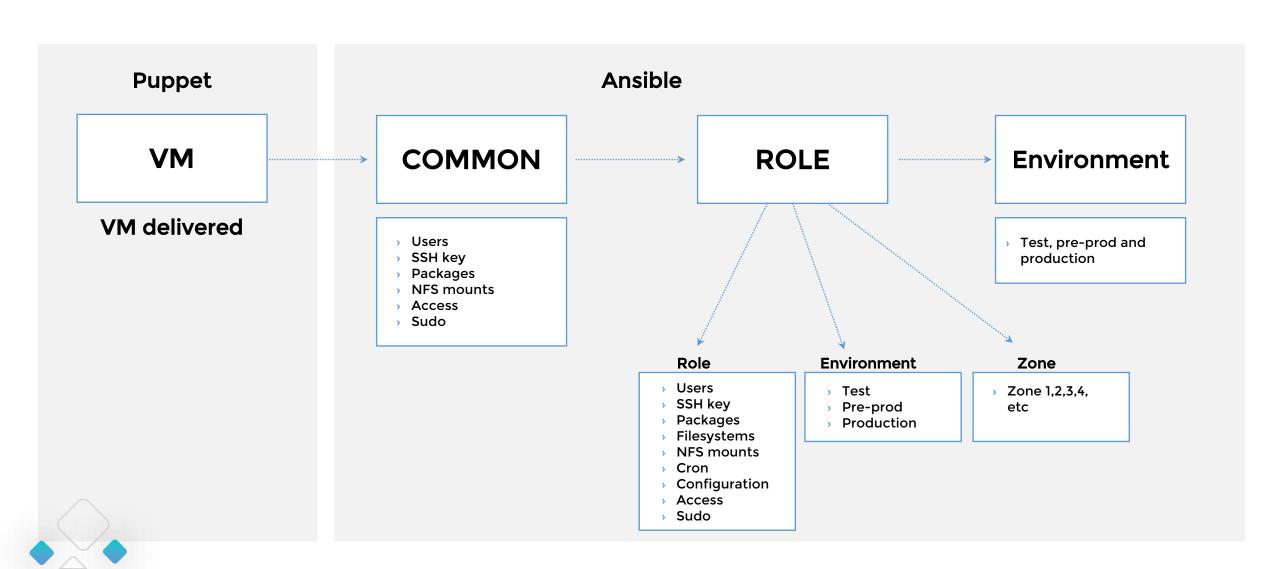




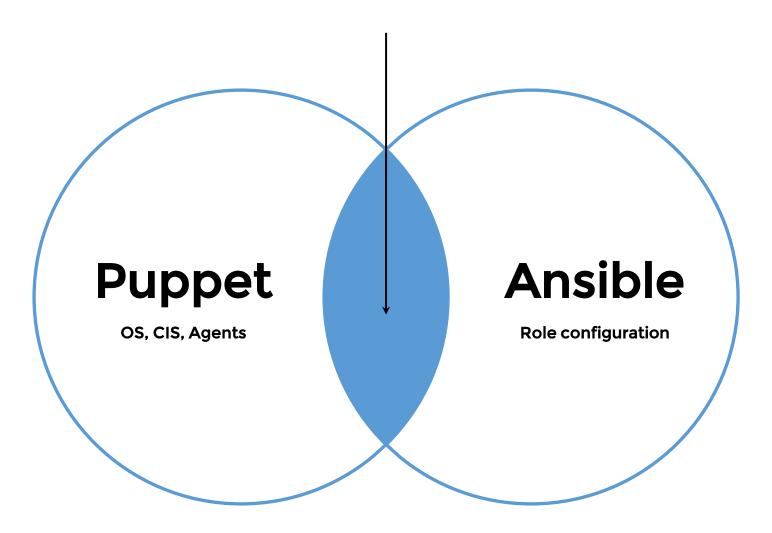
CONVERTING TO ANSIBLE



THE WORKFLOW



CROSSOVER FOR ACCESS AND SOME CIS RULES



```
! main.yml × ! web M ! common M
∨ VM_CUSTOMISATI... [ □ □ ひ 回 roles > common > tasks > ! main.yml > ...
                                 2 - name: include the common variables
  ! dba
  ∨ common
                                 6 - name: set the facts we need
   > files
   > meta

✓ tasks

    ! dirs.yml
    ! users.yml
                                16 - name: ------ COMMON TASKS -----
   > templates
   > tests
   > vars
   ! .travis.yml
  ∨ dba
                                      - name: register if the role exist
   > defaults
   > files
   > handlers

✓ tasks

                                                                                                                      PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
    ! main.yml
                                create mode 100644 roles/web/tasks/dirs.yml
    ! packages.yml
                               [ec2-user@ip-172-31-16-55 vm_customisation]$ git push -u origin
    ! users.vml
                               Enumerating objects: 25, done.
                               Counting objects: 100% (25/25), done.
   > templates
                               Compressing objects: 100% (14/14), done.
                               Writing objects: 100% (14/14), 1.59 KiB | 1.59 MiB/s, done.
   > vars
                                Total 14 (delta 6), reused 0 (delta 0)
                               remote: Resolving deltas: 100% (6/6), completed with 5 local objects.
                               To https://github.com/dmccuk/vm_customisation.git
   (i) README.md
                                 1acc8aa..46ddd1b main -> main
                               Branch 'main' set up to track remote branch 'main' from 'origin'.
```

CODE OVERVIEW

https://github.com/dmccuk/vm_customisation

DEMO

```
nsible] # ansible-playbook check_disk_space.yml
32.202.239]
32.115.165]
             Type Size Used Avail Use% Mounted on\n/dev/vdal
             Type Size Used Avail Use% Mounted on\n/dev/vdal
                          unreachable=0
                                       failed=0
                                                skipped=0
                                                          rescued=0
                changed=1
                          unreachable=0
                                       failed=0
                                                skipped=0
                                                          rescued=0
```

