RED HAT FORUM
Europe, Middle East & Africa

redhat.

NASA case study with Ansible Tower – Make more from your business IT

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Senior Solution Architect - matrix

Have You Met Tower?

Simple

Agentless

Powerful

```
---
- hosts: localhost
  vars:
    http_port: 80
    max_clients: 200
  remote_user: root
  tasks:
  - name: ensure apache is...
    yum:
      name: httpd
      state: latest
  - name: ensure apache is...
    service: name=httpd state=started enabled=yes
```

Have You Met Tower?

Simple

Agentless

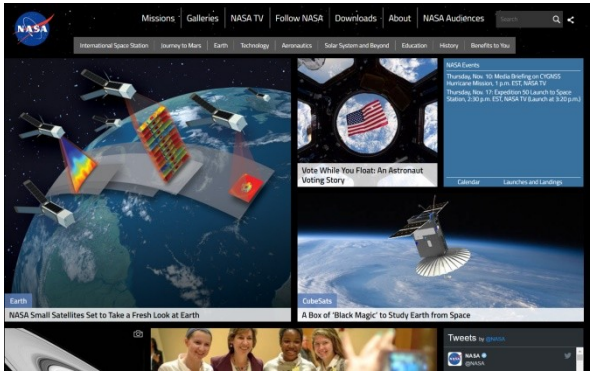
Powerful

Automation
=
Time & Less Complexity

NASA
&
Ansible Tower

About NASA

- NASA's web infrastructure – WestPrime.
- Tech in play -
  LifeRay, MongoDB, Acronis, AWS ...
- 50% Ubuntu, 35% Redhat,
  5% Amazon Linux, 10% Windows.



About NASA

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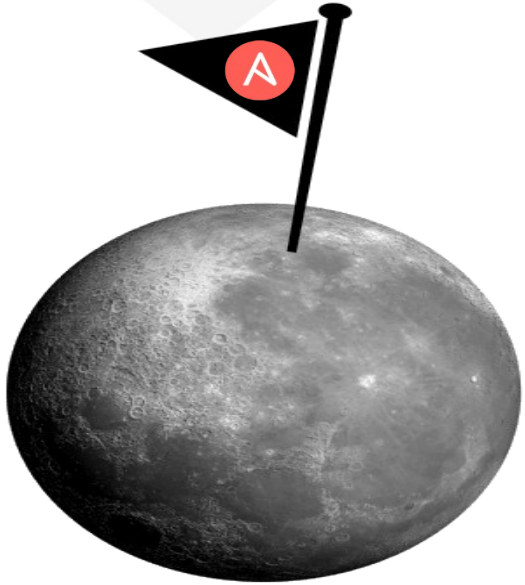


The Challenge

- Migrating 110 websites & apps to Amazon in 22 weeks.
- Updating the old.
- Servers not updated = Vulnerable.

The Challenge Continues

- No working, just talking.
- Everything was manual, following tasks documents.
- With time – started using shell scripts.
- Simple things were extremely burdensome.

Ansible to the rescue !

Before Tower

Ansible Core:

- Simple. Agentless. Powerful.

- For scheduling – use cron. Lots of cron.
- Logs dispersed.

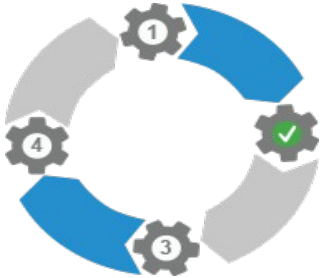
With Tower

- Access Control – Organizations, Teams, Users.
- Built-in Logging.
- Non-technical Friendly.
- Tower Scheduler > Cron.

Have You Met Tower?

Configuration Management

Orchestration



Application Deployment

DEMO

TIME !

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