Deploying a system monitoring framework using Ansible Tower

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Learn to know the audience

Show of hands please

Ansible
Ansible Tower
Committing code on github
Conclusion Xforce

Who we are

- Subsidiary company of Conclusion
- Specialist in Open Source technologies
- Red Hat Premier Business Partner
- Red Hat Certified Cloud & Service Provider
- Nagios Enterprises Partner
- Consultancy
- Projects
Ansible
Some facts

- IT automation tool
- Github over 25000 stars and over 3000 contributors
- Acquired by Red Hat in 2015
- Ansible Tower
- Announcements September 2017 (AnsibleFest)
  - Ansible Engine
  - Ansible Engine Network Add-on
  - Ansible Tower 3.2 (based on AWX)
Red Hat Management Portfolio

- Red Hat Satellite
- Red Hat CloudForms
- Ansible by Red Hat
- Red Hat Insights
Ansible

Fun facts

• Releases are named after **Led Zeppelin** songs.
• Releases prior to 2.0: **Van Halen** songs
• The founder of Ansible, Michael DeHaan, currently has this LinkedIn profile.
Ansible Tower

... an enterprise framework

- Controlling
- Securing
- Managing

- With a **User Interface**
- With a **RESTful API**.
Use case: implement Nagios monitoring

What needs to be done?

• Install Red Hat Enterprise Linux on vm
• Upgrade Red Hat Enterprise Linux
• Install package group MariaDB database server
• Tune MariaDB
• Install and configure application (Nagios XI)
• Deploy (upgrade) client software (nsclient++, ncpa)
Use case: implement Nagios monitoring cont’d

Which steps are covered by Ansible plays?

- Upgrade Red Hat Enterprise Linux
- Install new package (Apache, PHP)
- Change system configuration (timezone settings)
- Install package group MariaDB database server
- Tune MariaDB settings
- Install Applicatie (Nagios XI)
- Configuration Applicatie (Nagios XI)
- Deploy client software
Ansible Tower demo

Q&A after (or during) demo