Red Hat Ansible Automation

**MAY 2018**
- Extensibility
- Cloud
- Network Automation
- Red Hat
- Integrations

**SEPT 2018**
- Security
- Automation
- Certified Content
- Refreshed UI

**JAN 2019**
- Workflows
- Scalability
- FIPS Support

**MAY 2019 and beyond**
- Why you are here at this talk!
Red Hat Ansible Automation today

Trusted and verified automation engine for automating across IT operations

An enterprise product for controlling and scaling automation

Out-of-the-box content for Networking and Security (beta)

Certified partner content

Red Hat Ansible

FUELED BY AN INNOVATIVE OPEN SOURCE COMMUNITY
TEAMS ARE AUTOMATING
Red Hat Ansible Automation brings teams together

- NETWORK
- LINEs OF BUSINESS
- SECURITY
- OPERATIONS
- INFRASTRUCTURE
- DEVELOPERS
June 2019 and beyond
CONTENT DISTRIBUTION & DELIVERY
New content quicker and easier
Why Change?

COMMUNITY - INDEPENDENCE
PARTNERS - FLEXIBILITY
CUSTOMERS - CONTROL
ANSIBLE - INNOVATION
Content delivered every 6 months
Ansible Content Collections

CONSISTENT CONTENT STRUCTURE

ROLES - MODULES - PLUGINS - PLAYBOOKS

VERSIONING OF EXTERNAL CONTENT

CONSISTENT & INDEPENDENT DELIVERY

INSTALLABLE AT SYSTEM, USER or PROJECT LEVEL
COLLECTIONS:

- galaxy.yml
- plugins
  - action
    - ping.py
  - module_utils
    - pingutils.py
  - modules
    - ping.py
- roles
  - ping_bootstrap
    - defaults
    - filters
    - meta
    - tasks
    - vars
  - ping_deploy
    - defaults
    - meta
    - tasks
hosts: somehosts
collections:
  - foo.pinger
  - redhat.open_ping
tasks:
  - foo.pinger.ping:

  - ansible.builtin.ping: # use only the ping packaged in core

  - ansible.legacy.ping: # use core or library(etc)/ping.py
    when: thing | foo.pinger.filter == 42

  - ping: # searches collections "path" otherwise...
    # still works, == ansible.legacy.ping:
What is your automation doing?
How can it be better?
Automation Insights
Extending Ansible Automation:

CREDENTIAL PLUGINS FOR TOWER

BECOME PLUGINS

RED HAT ENTERPRISE LINUX 8

PERFORMANCE STATS & PROFILING
Continue to automate all the things:

LINUX   NETWORKS   CLOUD   SECURITY   WINDOWS
Ansible Operator SDK

Making it easy for to deploy and manage Kubernetes apps with native Ansible support via the Operator SDK

operator-sdk new

Add Ansible Roles/Playbooks + Watches file

operator-sdk build
Ansible Certified Content

ansible.com/certified-partners
FUTURE

Long term direction
Red Hat Ansible Automation Tomorrow

ANSIBLE ENGINE: UNIVERSAL LANGUAGE OF AUTOMATION

ANSIBLE TOWER: OPERATE & CONTROL AT SCALE

CONTINUE TO BE FUELED BY AN INNOVATIVE OPEN SOURCE COMMUNITY
Collections everywhere:

Automation for all
Not just your automation team

SYSADMIN  OPERATIONS  BUSINESS  DEVELOPER
SECURITY ADMIN  CLOUD ADMIN  NETWORK ADMIN
FUTURE

Automation everywhere

Automate across the enterprise

Capacity where you need it, when you need it, how you need it
FUTURE

Galaxy as your automation hub

- Support for collections
- Partner, customer and community zones
- Adoption journeys
- Continued UX improvements
FUTURE

Ansible developer kit

Build, Test and Deploy with ease
Test and Evaluate Collections
Deploy locally, to the Platform or the Community
<table>
<thead>
<tr>
<th>Time</th>
<th>Tuesday, May 7</th>
<th>Wednesday, May 8</th>
<th>Thursday, May 9</th>
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<tbody>
<tr>
<td>3:45pm</td>
<td>Ansible for automating IT security</td>
<td>4:30pm - Automating everything at BP</td>
<td>1:00pm - Manage Windows with Ansible: The what, the why, and the how?</td>
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<td></td>
<td>12:30pm - How to teach old apps new tricks with Ansible Operators—part 2</td>
<td>4:30pm - Automating everything at BP</td>
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<td>4:30pm - Analog transformation: Scaling network automation culture with Ansible Tower at Microsoft</td>
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<td>4:30pm - Analog transformation: Scaling network automation culture with Ansible Tower at Microsoft</td>
<td>2:00pm - West Corporation—a digital transformation journey</td>
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<td>4:30pm - Analog transformation: Scaling network automation culture with Ansible Tower at Microsoft</td>
<td>3:45pm - Automating our world with the Tennessee Valley Authority</td>
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