



RED HAT ANSIBLE AUTOMATION

OVERVIEW AND ROADMAP

ANSIBLE PRODUCT TEAM
Red Hat, Inc.

MAY 2019

JOINING US TODAY



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Ansible Product Marketing



Dylan Silva
Senior Principal Product Manager
Ansible Engine



Bill Nottingham
Senior Principal Product Manager
Ansible Tower

Red Hat Ansible Automation



MAY 2018

SEPT 2018

JAN 2019

MAY 2019
and beyond

Extensibility
Cloud
Network
Automation
Red Hat
Integrations

Security
Automation
Certified Content
Refreshed UI

Workflows
Scalability
FIPS Support

Why you are
here at this talk!

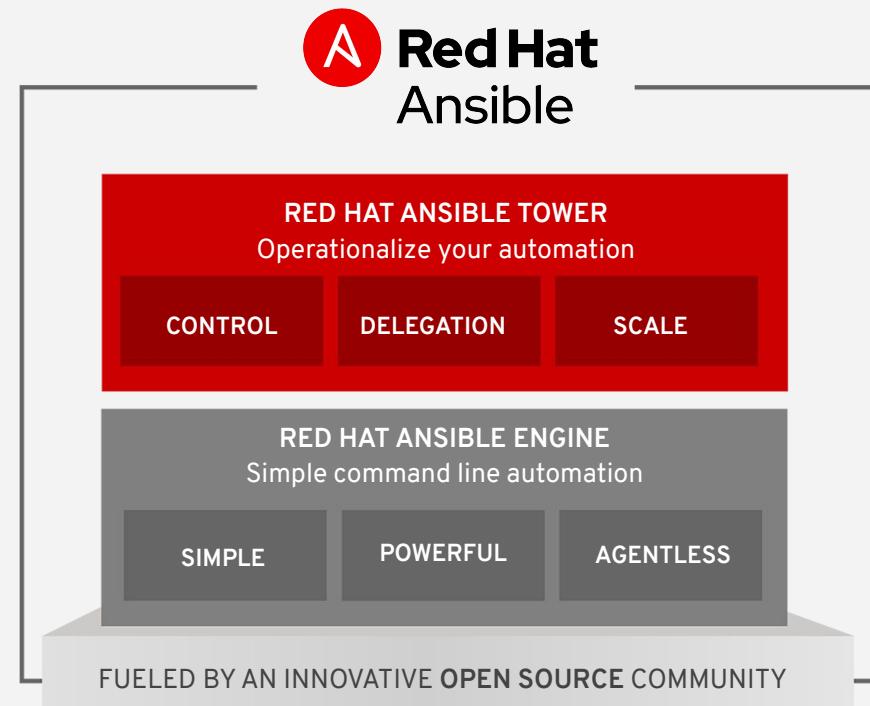
Red Hat Ansible Automation today

Trusted and verified automation engine for automating across IT operations

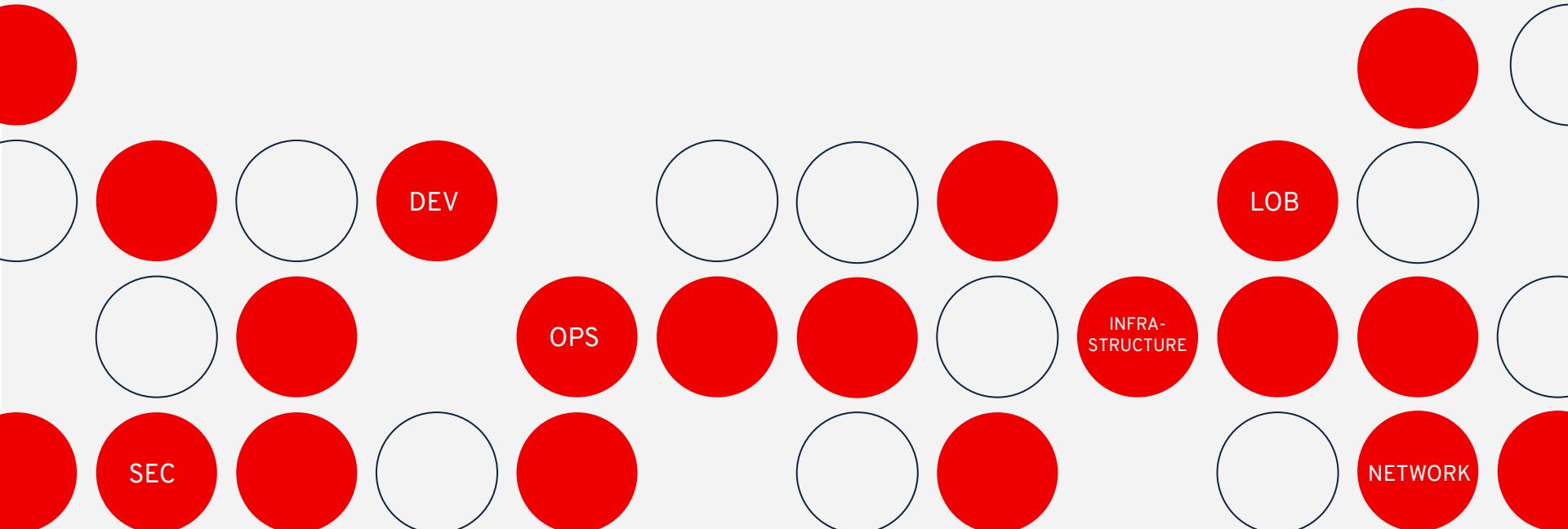
An enterprise product for controlling and scaling automation

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

Certified partner content



TEAMS ARE AUTOMATING



SEC

DEV

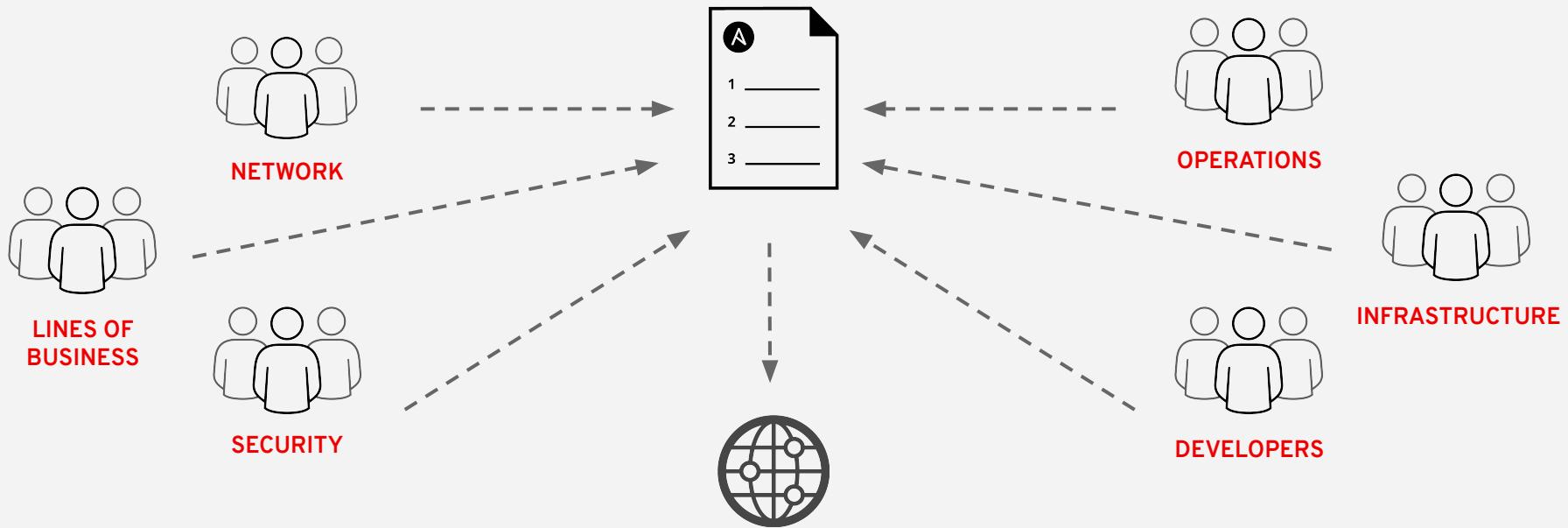
OPS

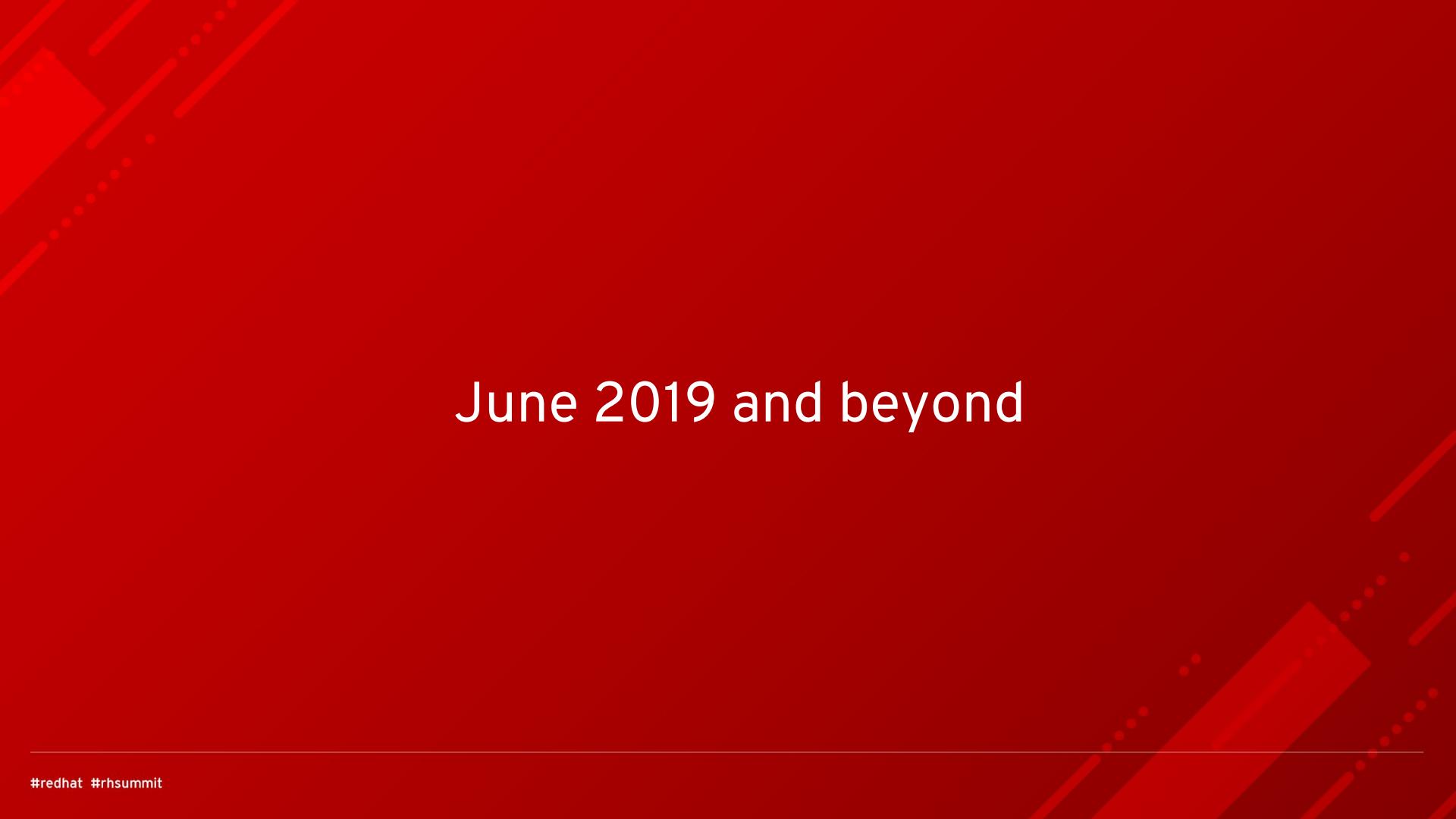
INFRA-
STRUCTURE

LOB

NETWORK

Red Hat Ansible Automation brings teams together





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



Content delivered....



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
```

COLLECTIONS:

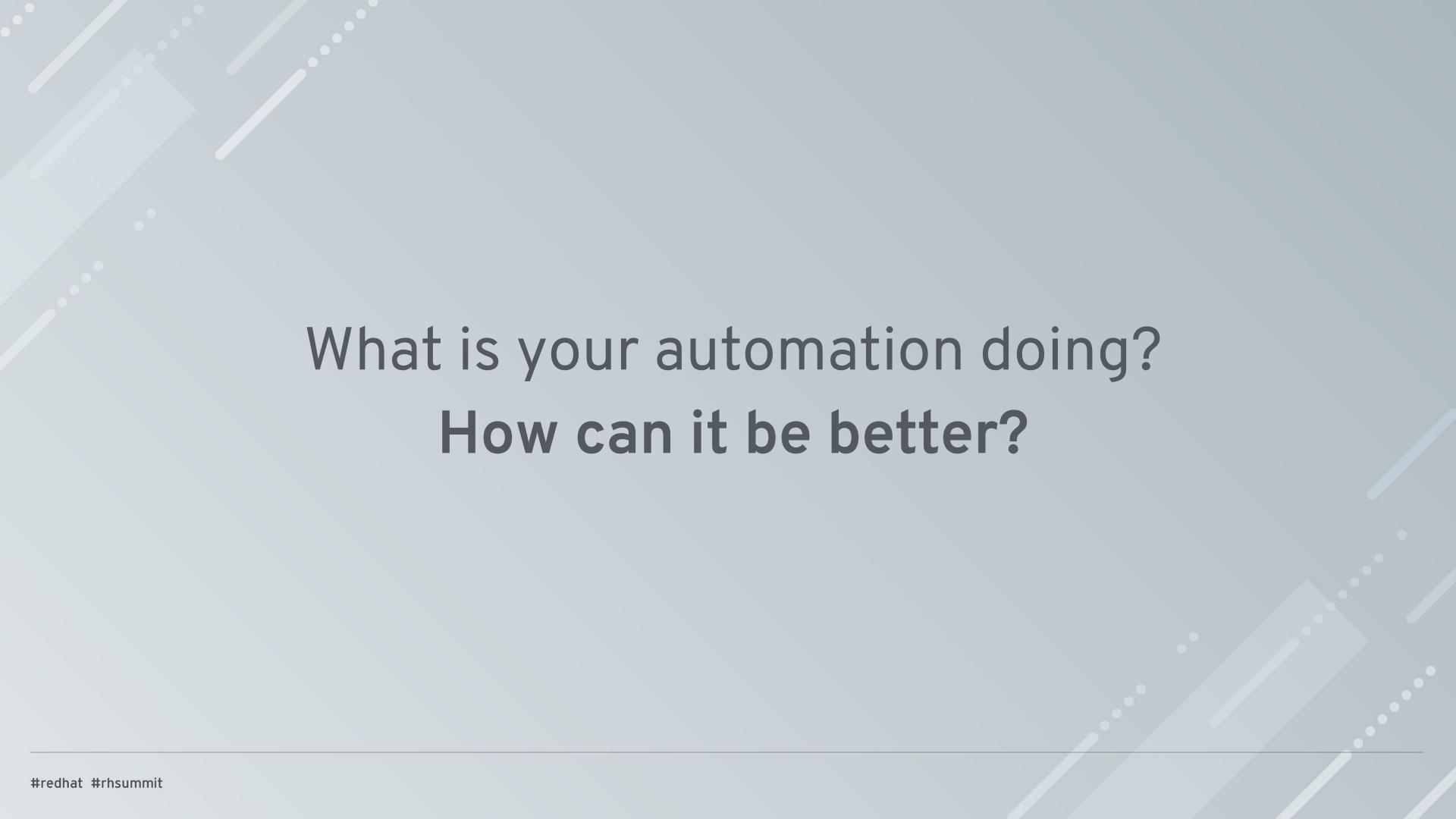
```
hosts: somehosts
collections:
  - foo.pinger
  - redhat.open_ping

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

Red Hat

Bill Nottingham

Automation Insights

Job Status

Past 2 Weeks

All Clusters

Accessibility

Jobs Across All Clusters

Date

Top Templates

Top Modules

Notifications

No data from Tower 1 in 3 days

Analytics last updated on 2019-05-01

Template	Type
backup	Playbook Run
verify	Playbook Run
network	Playbook Run
backup2	Playbook Run

Module	Usage
command	70
shell	70
assert	20
net_interface	16

View All

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

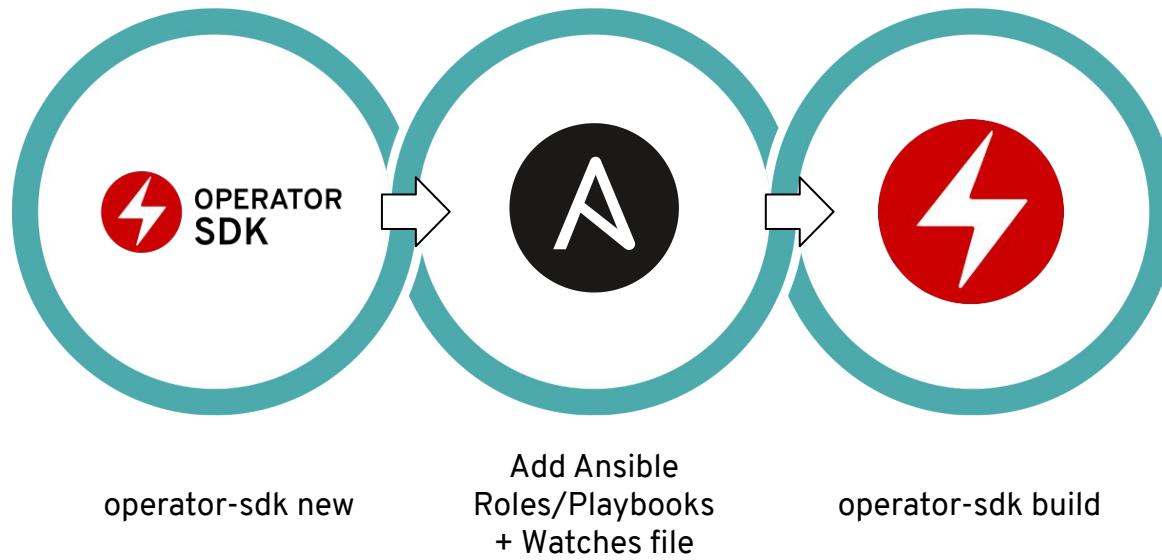
CLOUD

SECURITY

WINDOWS

Ansible Operator SDK

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



Ansible Certified Content

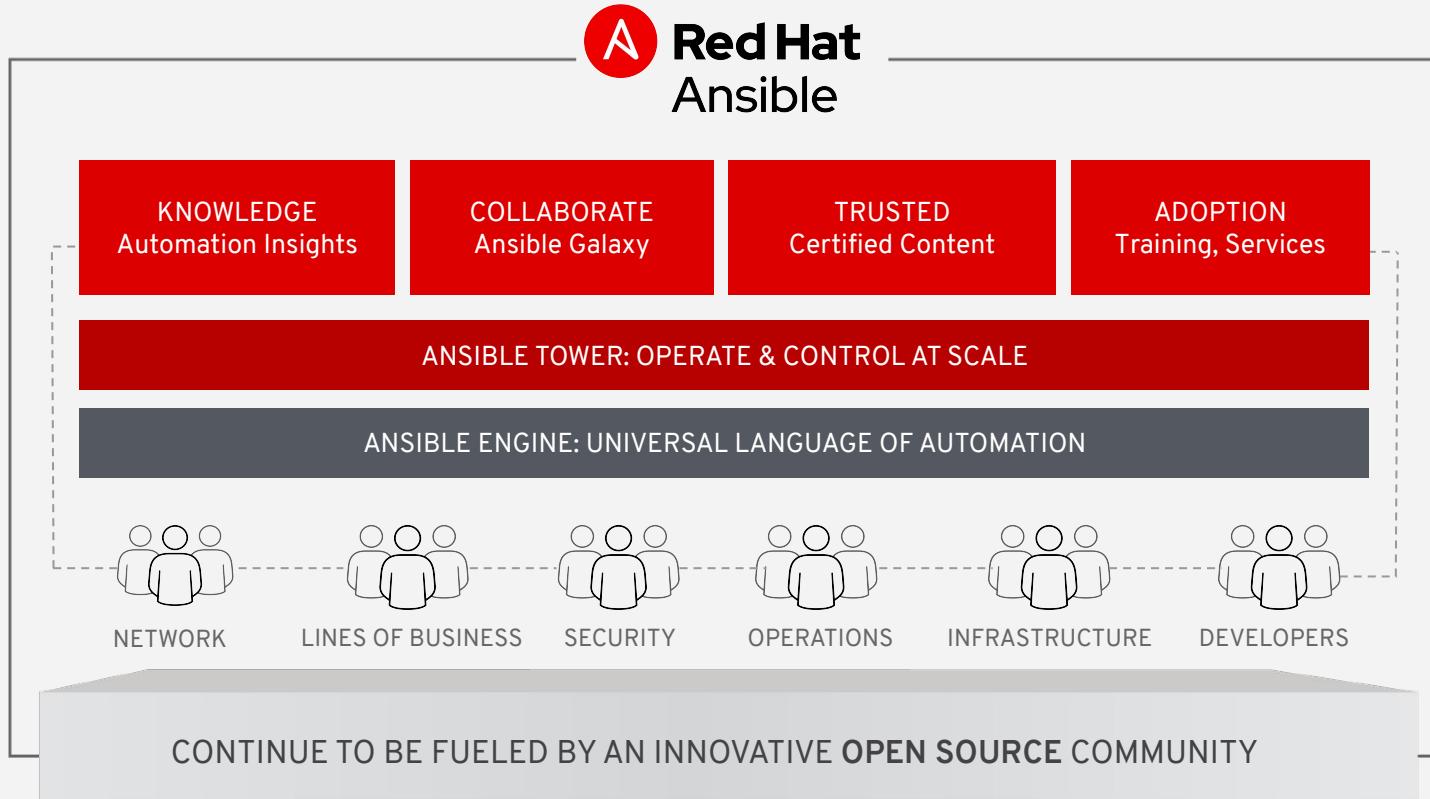


ansible.com/certified-partners

FUTURE

Long term direction

Red Hat Ansible Automation Tomorrow



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



#ANSIBLEFEST ATLANTA 2019



ANSIBLE

Learn more here at Summit

Tuesday, May 7

3:45pm - Ansible for automating IT security

12:30pm - How to teach old apps new tricks with Ansible Operators—part 2

Wednesday, May 8

4:30pm - Automating everything at BP—how we built push-button DevOps with Ansible and OpenShift

4:30pm - Analog transformation: Scaling network automation culture with Ansible Tower at Microsoft

4:00pm - Automating your hybrid cloud management using Ansible

Thursday, May 9

1:00pm - Manage Windows with Ansible: The what, the why, and the how?

2:00pm - West Corporation—a digital transformation journey

3:45pm - Automating our world with the Tennessee Valley Authority



THANK YOU



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