



EMBRACING AUTOMATION

Automation doesn't replace your position, it strengthens it

Ryan LaFevers
Federal Solutions Architect



Who Am I?



Federal Solutions Architect - RHCA, RHCE

Work with Federal Civilian entities such as NASA, NOAA, DOE, to develop automation strategy

Former Senior Support Engineer and Global Team Lead at Red Hat. Also a seasoned sod farmer.

My “Automation” Journey

Script A for task A.
Script B for task B.
Script C for task C.

Playbooks: Low hanging fruit

Script 1 for tasks A, B, C.
Script 2 for tasks D, E, F.
Script 3 for tasks G, H, I.

Roles: Combined playbooks

Script OMEGA for all tasks A-I.

Jobs: Combined Roles and Playbooks

“It is not the strongest of the species that survive, nor the most intelligent, but the one **most responsive to change.**”

Charles Darwin

Automation is here to stay

“Our process is too complicated to automate.”

“We already have too many tools.”

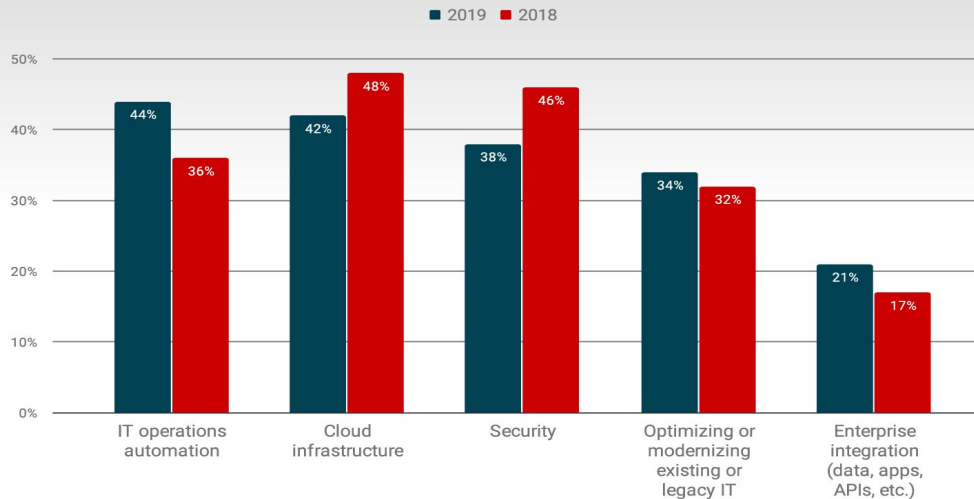
“I’m a UNIX guy. I’ve forgotten more than you’ve learned.”



Automation is here to stay

TOP FUNDING PRIORITIES FOR 2019: AUTOMATION, CLOUD, & SECURITY

What are your top three IT funding priorities?



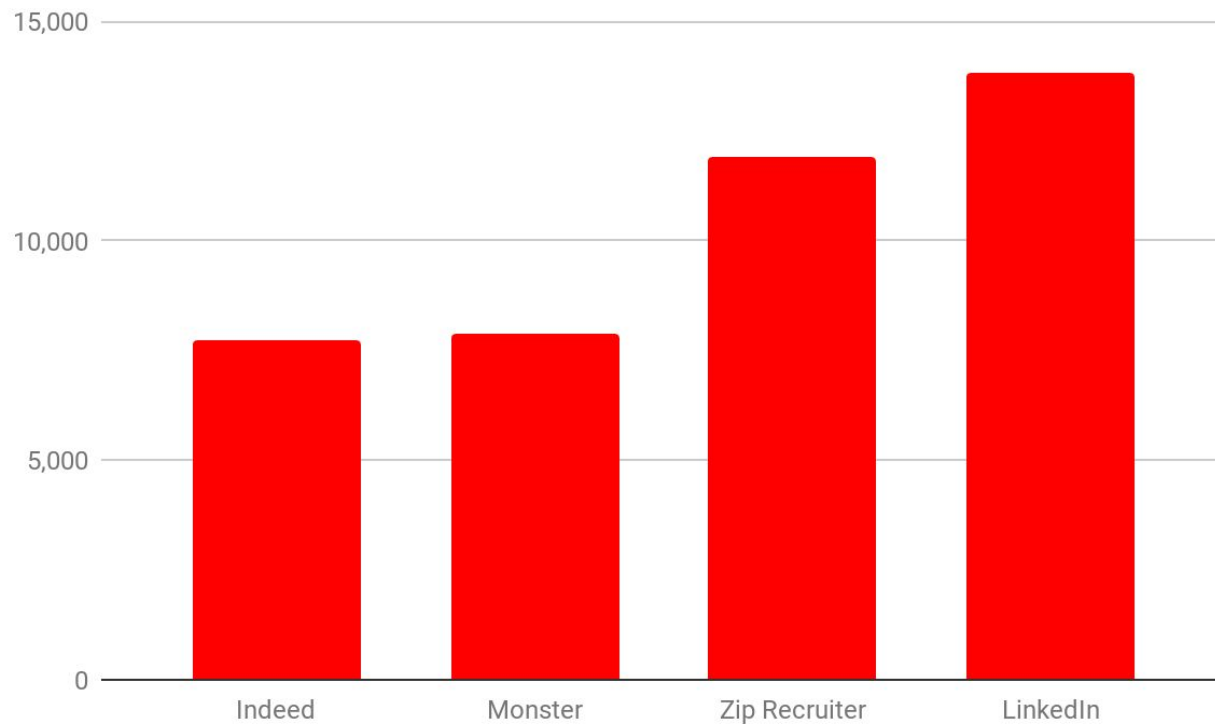
Automation is here to stay

Manual tasks are slow and Dangerous

59%

The amount of **unplanned downtime**
caused by human error*

Ansible Job Openings



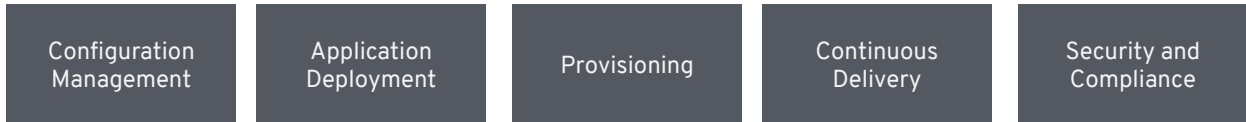
Automation is here to stay

A common automation language
brings silos, people, and ideas
together.

What can I do using Ansible?

Automate the deployment and management of your entire IT footprint.

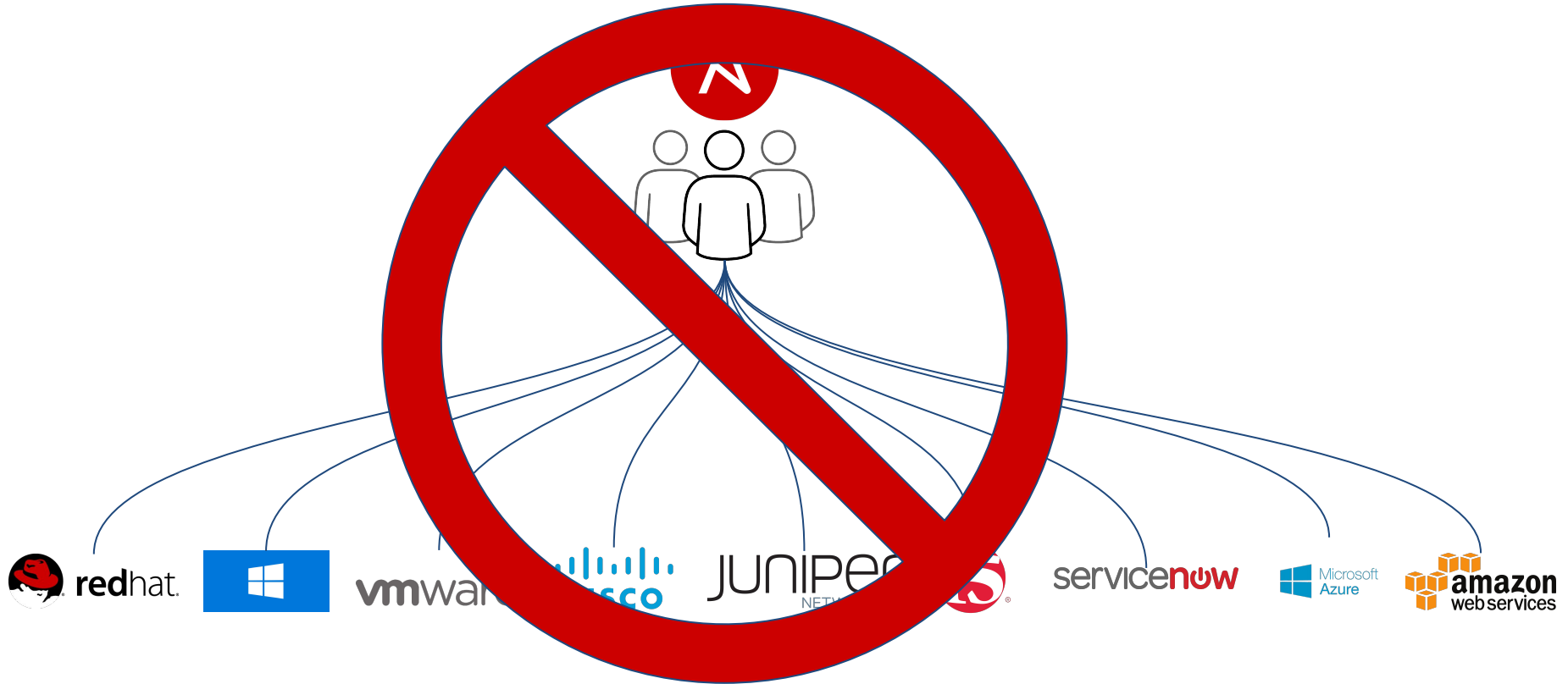
Do this...



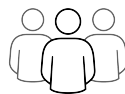
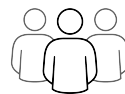
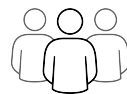
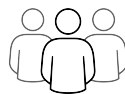
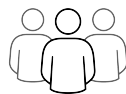
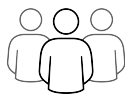
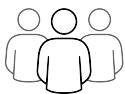
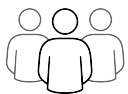
On these...



Ansible Expertise Alone is NOT enough



We NEED Ansible + Domain Expertise

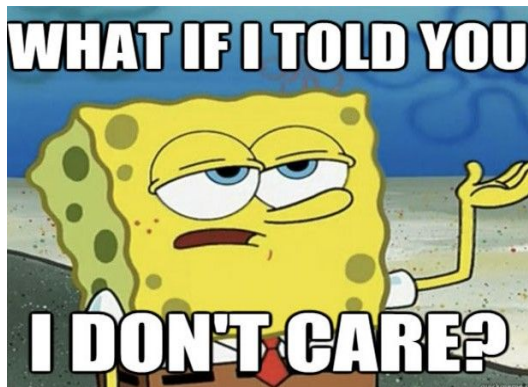


Enablement & Adoption

If you build it...



Well, good for you.



3 Common Pitfalls

1. Solution in search of a problem
2. You **HAVE** to use it... we already paid for it
3. Your thing stinks, this thing is better



WHAT IS IT?

Hands-on training

Free

Public or at customer site

Individual environment per/participant

WHAT YOU'LL LEARN

Write your first playbook

Create an Ansible Role

Install Ansible Tower

Execute your own automations

Collaborate



Pre-packaged Ansible Roles

Use and contribute

Nearly 20K roles to choose from



<YOUR REPO HERE>

Centralized content

Encourages reuse

Becomes a learning tool



RED HAT
ANSIBLE
Automation



Over 89K repositories with Ansible content

Use existing playbooks to jumpstart your project or use as reference

Contribute playbooks to the community

Demonstrate Success



Lunch & Learns

Demo, Demo, Demo

Only real use cases

Find a champion

Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.



[linkedin.com/company/red-hat](https://www.linkedin.com/company/red-hat)



[youtube.com/user/RedHatVideos](https://www.youtube.com/user/RedHatVideos)



[facebook.com/redhatinc](https://www.facebook.com/redhatinc)



twitter.com/RedHat