Learn ANSIBLE automation with Red Hat

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Solutions Architect

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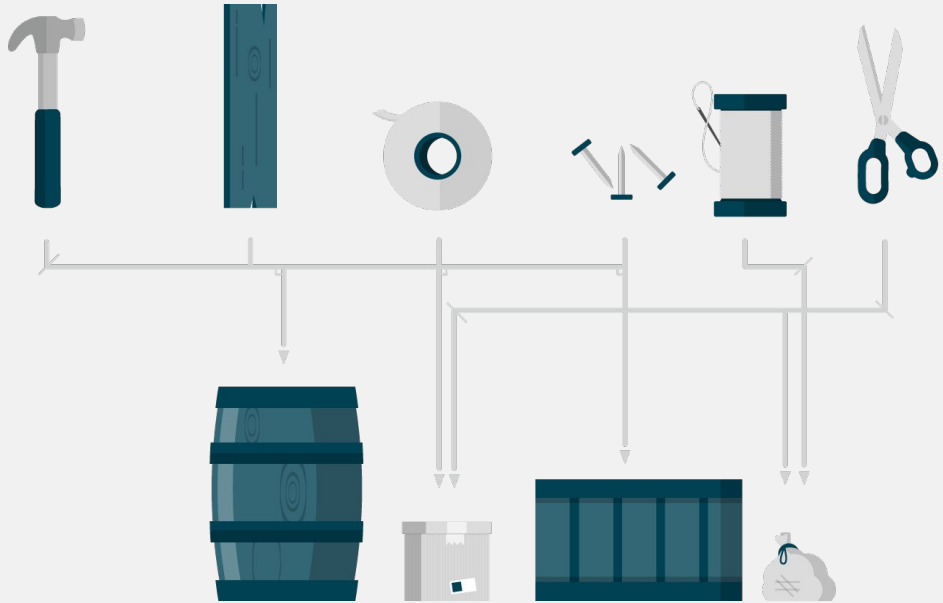
THE PROBLEM

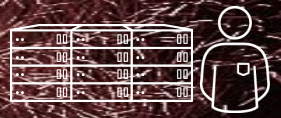
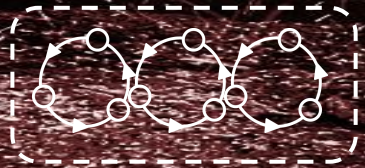
Different applications delivered to IT:

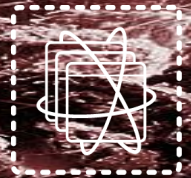
- Have different requirements
- Use different languages, databases, and tools.



THE PROBLEM

Development Process	Application Architecture	Deployment & Packaging	Application Infrastructure
Waterfall	Monolithic	Physical	Datacenter
Agile	N-Tier	Virtual	Hosted
DevOps	**Microservices**	**Containers**	**Cloud**



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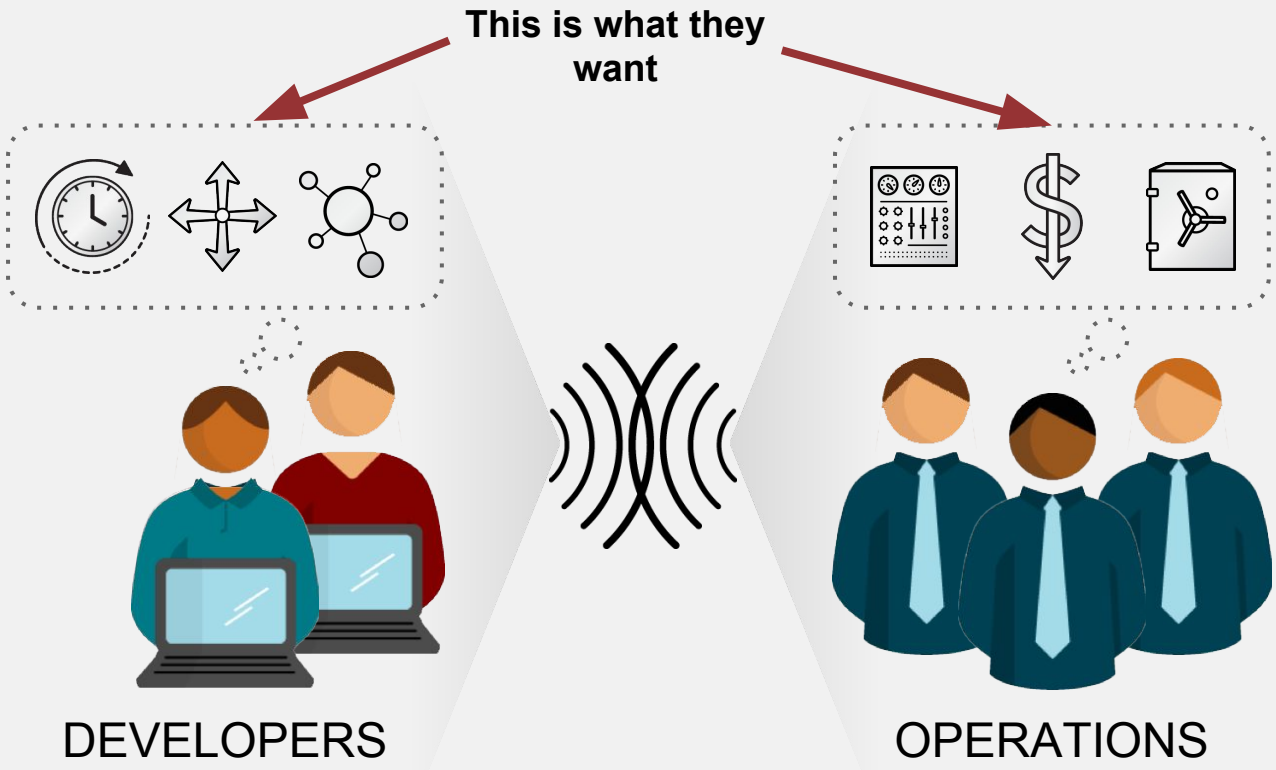
THE PROBLEM



THE SOLUTION

- Something open
- Something to automate all things
- Something simple
- Something which allows dev and ops to collaborate
- Something as a service

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WHAT IS ANSIBLE?

It's a simple automation language that can perfectly describe an IT application infrastructure in Ansible Playbooks.

It's an automation engine that runs Ansible Playbooks.

Ansible Tower and AWX implements a enterprise framework for controlling, securing and managing your Ansible automation with a UI, CLI and RESTful API

Access the AWX Open Source project here: https://github.com/ansible/awx

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AGENDA

- Hands on Ansible basics
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- Ansible development methods and workflows
- Ansible playbook development and testing

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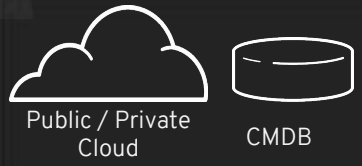
HOW DOES IT WORK?

Ansible v2.4



Cloud

Openstack, VMware, EC2, Rackspace, GCW, Azure, Hanlon, Cobbler, Satellite

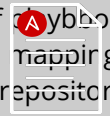
Custom CMDB

Modules are "tools in the the toolki

- Tasks are executed in sequence
- Ansible modules

Projects

- Logical collection of playbooks
- A project has 1-to-1 mapping with a SCM system repository.



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Now, hands on…

Goto: https://beta.etherpad.org/p/learn-ansible

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