Ansible Automation Platform Content Strategy

Use Case-driven Automation

Massimo Ferrari

Consulting Product Manager,

Ansible Automation Platform
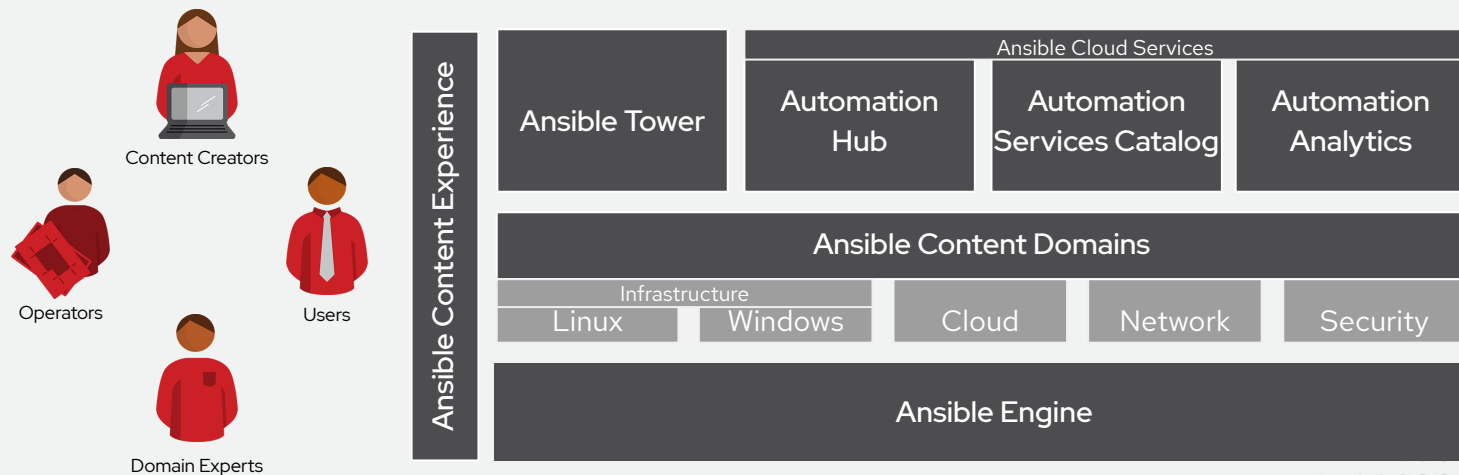
@crosslogic

AnsibleFest

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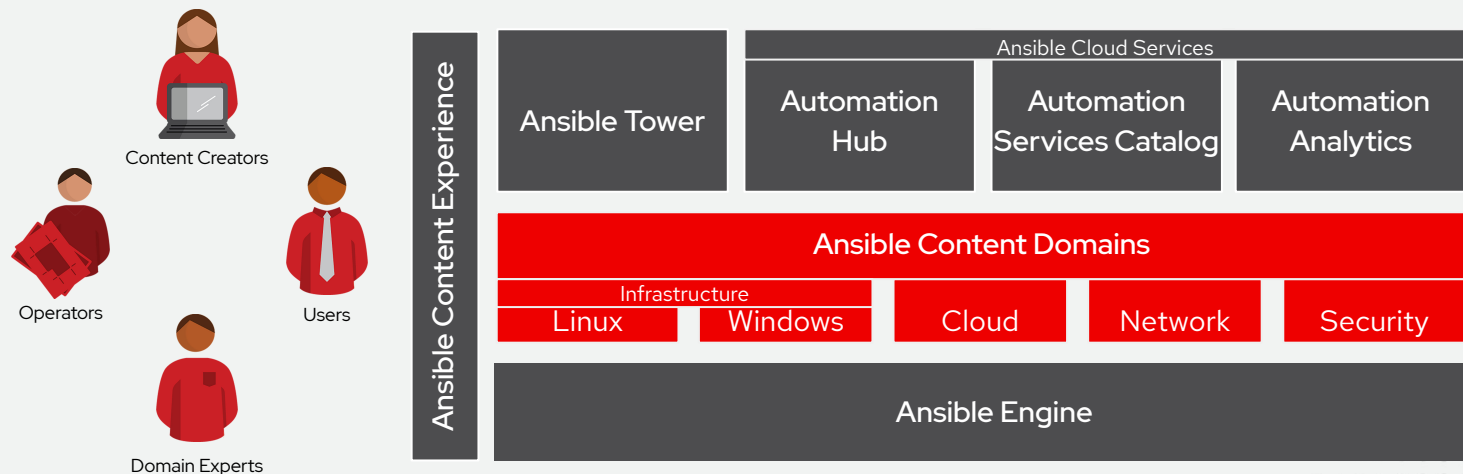
Automation is now a "boardroom imperative."

Forrester

AnsibleFest

Red Hat
Ansible Automation
Platform

Content Creators

Operators

Users

Domain Experts

Ansible Content Experience

Ansible Tower

Ansible Cloud Services

Automation
Hub

Automation
Services Catalog

Automation
Analytics

Ansible Content Domains

Infrastructure

Linux

Windows

Cloud

Network

Security

Ansible Engine

Fueled by an open source community

AnsibleFest

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AnsibleFest

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Identify high-value use cases for automation in your organization. Build those first.

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Source:

Essential Skills for Automation Engineers

Ansible Content Domains
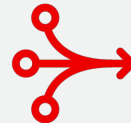
Red Hat & Partners Developed Content

TRUST

Certified Content Collections grant an end-to-end supported experience directly by its creators.
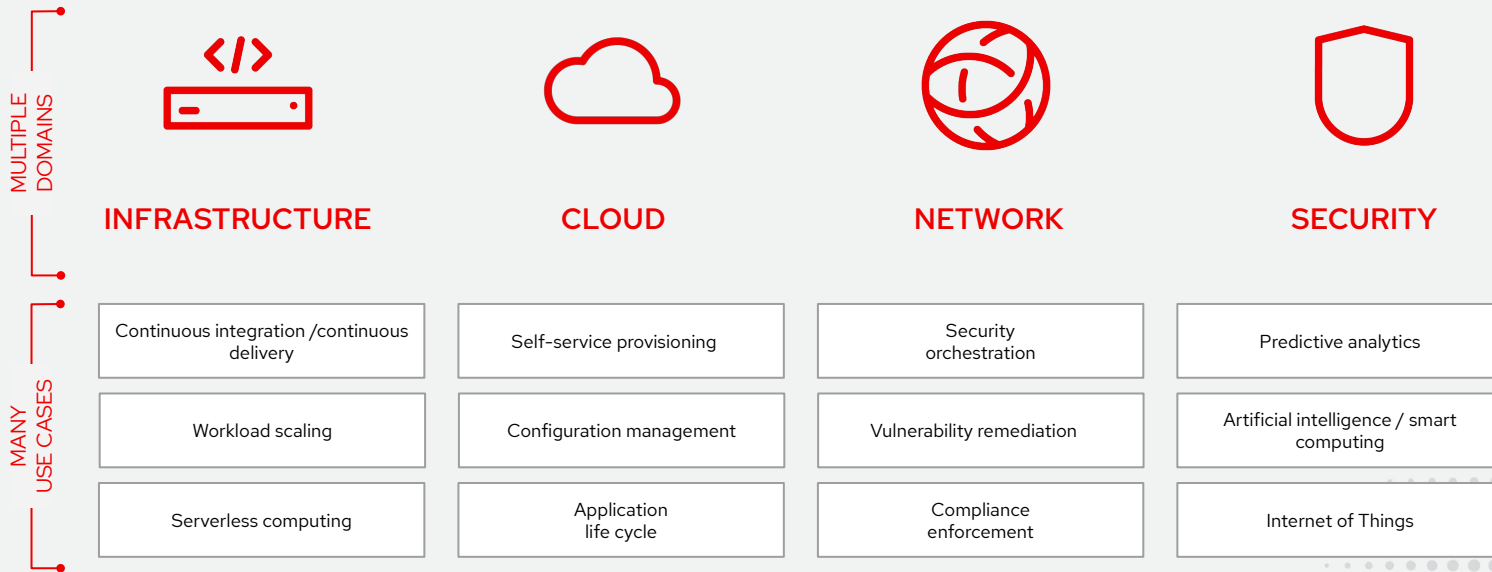
ACCELERATE

Content is curated to support domain-specific use cases helping to reduce time-to-production.

SIMPLIFY

User experience is more consistent through a combination of best practices, resource modules and example roles.

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Automate Everything You Need

MULTIPLE DOMAINS

INFRASTRUCTURE

CLOUD

NETWORK

SECURITY

MANY USE CASES

Continuous integration /continuous delivery	Self-service provisioning	Security orchestration	Predictive analytics
Workload scaling	Configuration management	Vulnerability remediation	Artificial intelligence / smart computing
Serverless computing	Application life cycle	Compliance enforcement	Internet of Things

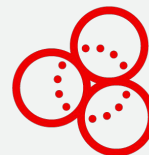AnsibleFest

Infrastructure Automation

OS CONFIGURATION MANAGEMENT

Predictable and repeatable process, mitigating risks of service downtime.
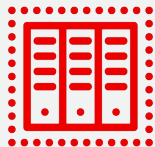
VIRTUAL INFRASTRUCTURES MANAGEMENT

Deliver virtual resources faster, from weeks to few minutes, with consistency among multiple hypervisors.

CONTINUOUS INTEGRATION AND DELIVERY

Empower teams to perform reliable tests and integration with CI/CD systems.

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Cloud Automation

MULTI-CLOUD MANAGEMENT

Support multi cloud operations via single management layer and reusable automation workflows.

CLOUD MIGRATION

Enable cloud agnostic deployment automation workflows, that can run against different cloud vendors as needed.
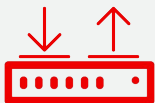
PRIVATE CLOUD INTEGRATION

Automate private cloud assets with the same automation workflows as public cloud and prepare for future integration.

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Network Automation

CONFIGURATION CONSISTENCY

OPERATIONAL STATE MANAGEMENT

COMPLIANCE & TRACEABILITY

Platform agnostic configuration management to standardize and enforce best-practices.

Track network resources through facts gathering, to perform preventive maintenance, reducing outage risks and costs of unnecessary hardware-refresh.

Trace & audit configuration changes while keeping control of configuration & software versions through a single source of truth.

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Security Automation

INVESTIGATION ENRICHMENT

Enable programmatic access to log configurations such as destination, verbosity, etc.

THREAT HUNTING

Automate alerts, correlation searches and signature manipulation to preemptively identify threats.

INCIDENT RESPONSE

Creating new security policies to grant access, block or quarantine a machine.
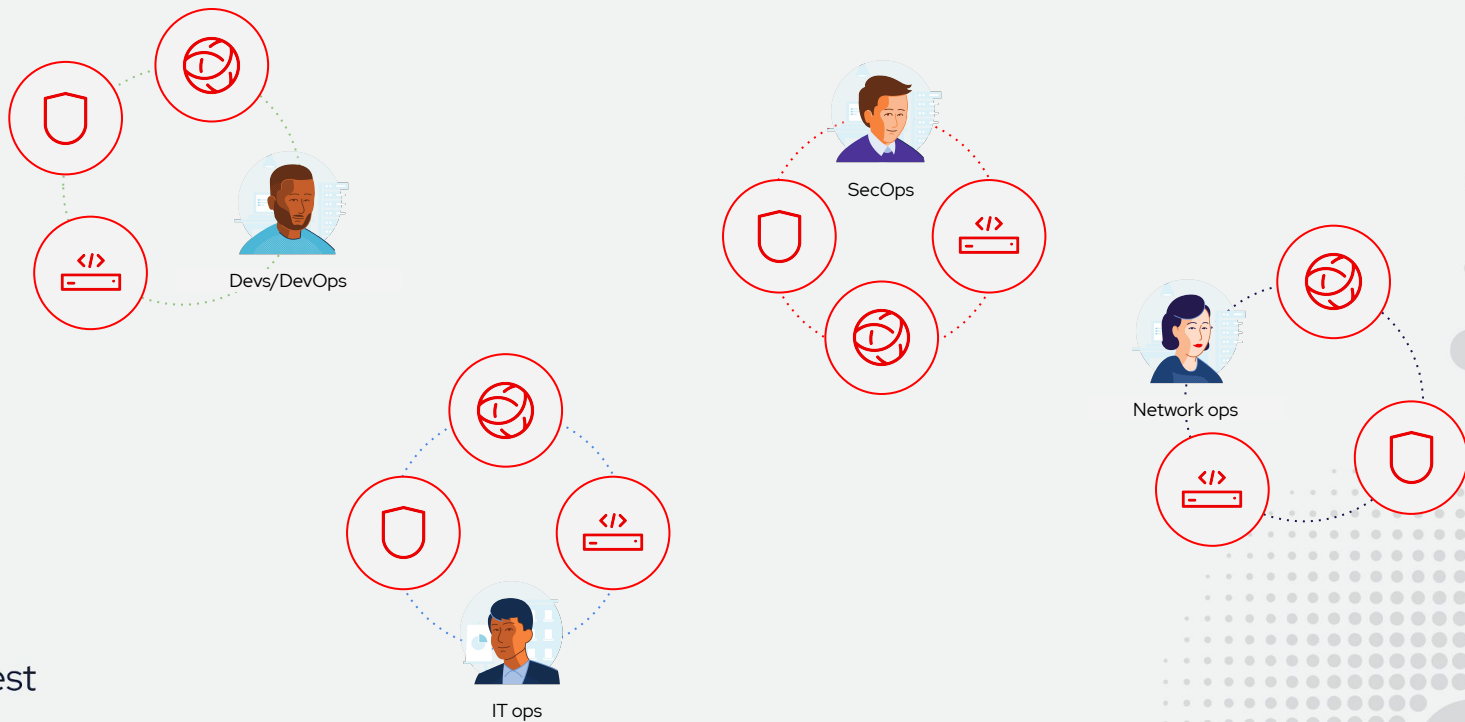
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" **Find the pockets of ad hoc automation in your company, and grow them into a formal automation program.** Bottom-up automation initiatives that grow organically are more likely to succeed than top-down, mandate-driven projects.
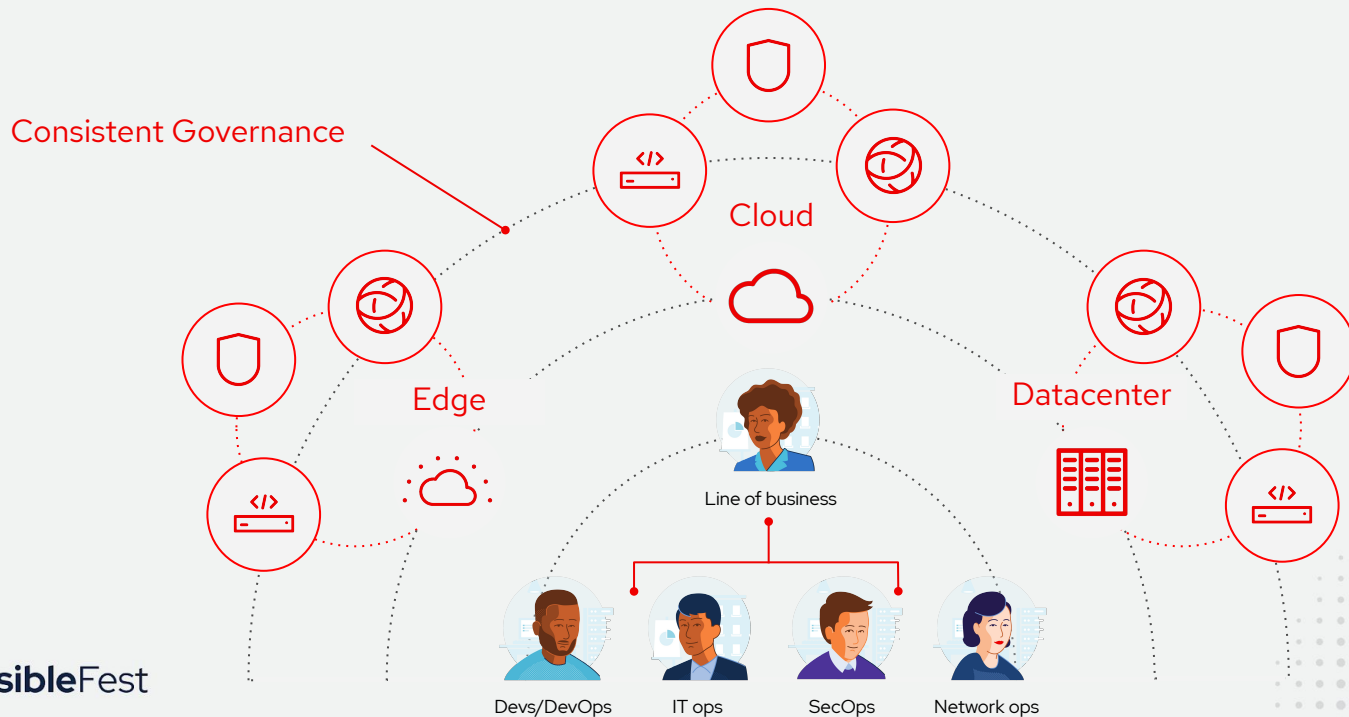
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Many organizations have a problem

Too many unintegrated, domain-specific tools

Devs/DevOps

SecOps

IT ops

Network ops

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Break down silos

Different teams a single platform

Consistent Governance

Cloud

Edge

Datacenter

Line of business

Devs/DevOps

IT ops

SecOps

Network ops

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Where do I start?

Ansible Galaxy

galaxy.ansible.com

- Community supported
- Extended to leverage Collections framework
- "Latest and greatest"

Ansible Automation Hub

cloud.redhat.com

- Certified, jointly supported by Red Hat and Partner
- Access to advanced analytics
- "Stable and supported"

AnsibleFest

Over 50 Certified Platforms

Ansible Automation Hub

INFRASTRUCTURE   **CLOUD**   **NETWORK**   **SECURITY**

Red Hat aws ARISTA Check Point SOFTWARE TECHNOLOGIES LTD

NetApp Google CISCO CYBERARK

IBM Microsoft f5 FORTINET

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Before you leave ...

Don't forget to attend

Ansible Automation Platform

Technical Content Strategy

—

Andrius Benokraitis
Senior Principal Product Manager,
Red Hat Ansible Automation Platform

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Thank you

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