



# Event Driven Automaton with Ansible Automation Platform and Serverless Functions

Michael Ford

Senior Solutions Architect

“““



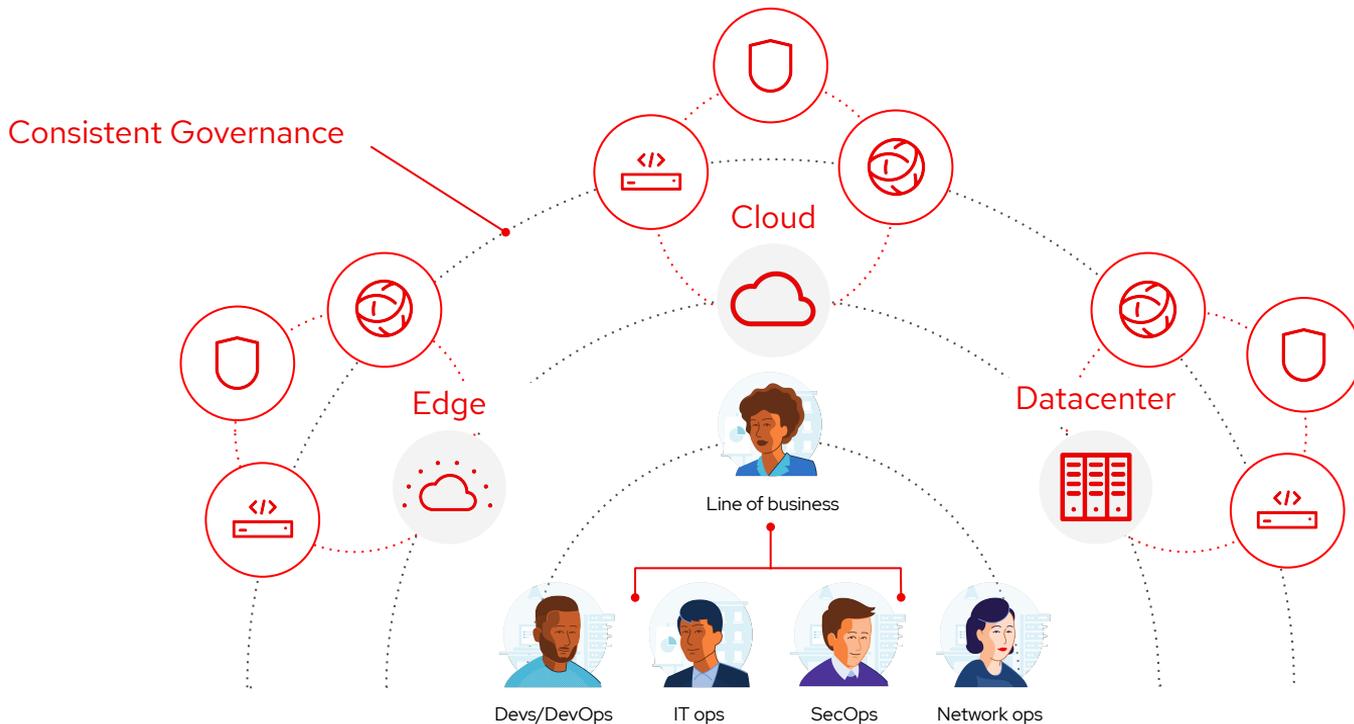
**Infrastructure automation is no longer optional.** It is a response to the increasing scale and complexity of modern, distributed infrastructures, which cannot be managed without it.

---

Gartner

# Break down silos

Different teams a single platform





# Red Hat Ansible Automation Platform

Network

Lines of business

Security

Operations

Infrastructure

Developers

## Accelerate

Ansible Content  
Collections

## Collaborate

Automation  
Hub

## Governance

Automation  
services catalog

## Trust

Certified  
content

## Inform

Automation  
Analytics

Red Hat Ansible Tower: Operate and control at scale.

Red Hat Ansible Engine: Universal language of automation

Fueled by an open source community

# Over 50 Certified Platforms



INFRASTRUCTURE



CLOUD



NETWORK



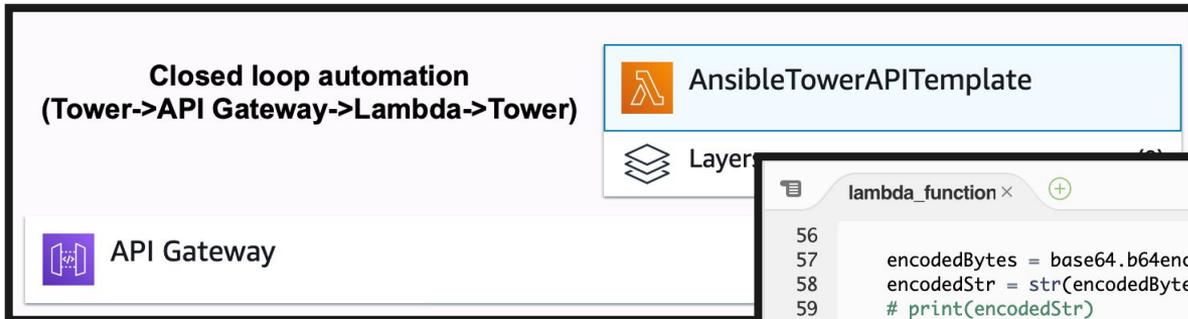
SECURITY



ARISTA



# Event Driven Automation Benefits for Hybrid Cloud



```
lambda_function × +
56
57     encodedBytes = base64.b64encode(credential.encode("utf-8"))
58     encodedStr = str(encodedBytes, "utf-8")
59     # print(encodedStr)
60
61     # Send API request to Ansible Tower
62     req = Request("https://ansibletower.mford.io/api/v2/job_templates/9/launch/",
63     try:
64         response = urlopen(req)
65         response.read()
66         print("API Call Sent to Ansible Tower")
67     except HTTPError as e:
68         print('Request failed: {e.code} {e.reason}')
69     except URLError as e:
70         print('Request failed: {e.code} {e.reason}')
71
72     # TODO implement
73     return {
74         'statusCode': 200,
75         'body': json.dumps('Hello from Lambda!')}
76 }
```

- Application Deployments based on End-User Intervention
- Auto-scaling resources
- Disaster Recovery/Resiliency
- Remediating Known Security Issues
- Configuration Drift Detection

