

### **Connect**

## Automation Telco Journey



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#### Autonomous Network Framework

Autonomy Level (L0-L5) is based on TMForum framework combining Automation and AI capabilities

Autonomous Levels	LO: Manual operation & maintenance	L1: Assisted operation & maintenance	L2: Partial Autonomous Networks	L3: Conditional Autonomous Networks	<b>L4:</b> High Autonomous Networks	<b>L5:</b> Full Autonomous Networks
AN services (Zero X)	N/A	Individual AN case	Individual AN case	Select AN cases	Select AN services	Any AN services
Execution	Р	P/S	S	S	S	S
Awareness	Р	Р	P/S	S	S	s
Analysis/ Decision	Р	Р	Р	P/S	s	s
Intent/ Experience	Р	Р	Р	Р	P/S	S

Personnel (manual)

Systems (autonomous)

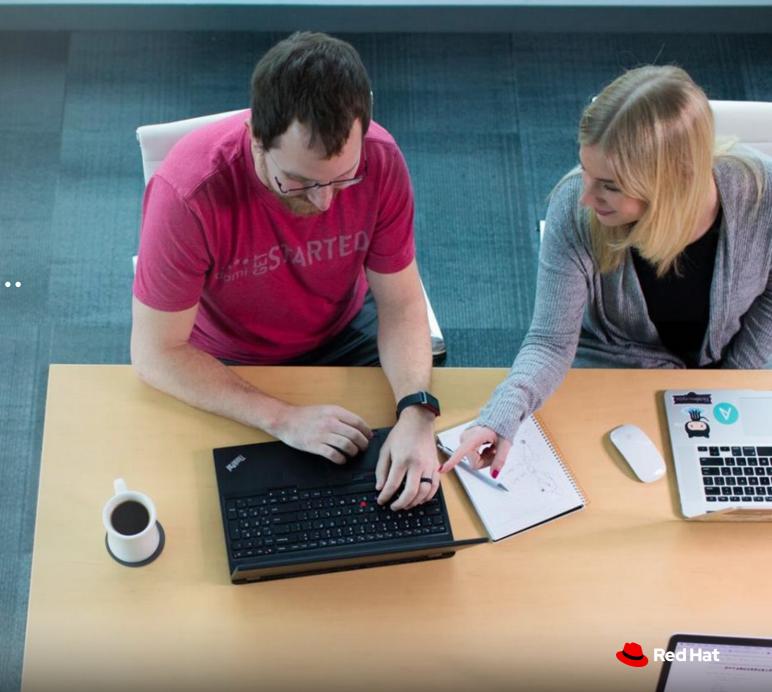




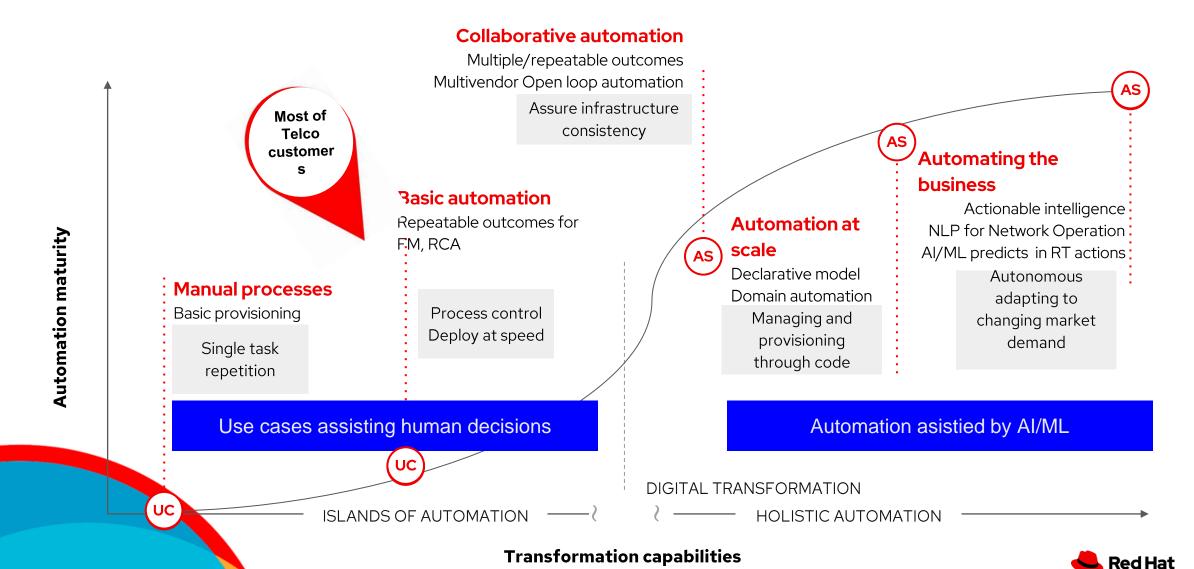


Anyone can automate...
but an enterprise Telco
Needs to coordinate
and scale

- Improve Efficiency
- Increase Productivity
- Control Risk and Expenses



### Red Hat Approach: Transforming from task to business automation



#### Red Hat Automation Solutions\_Automation E2E

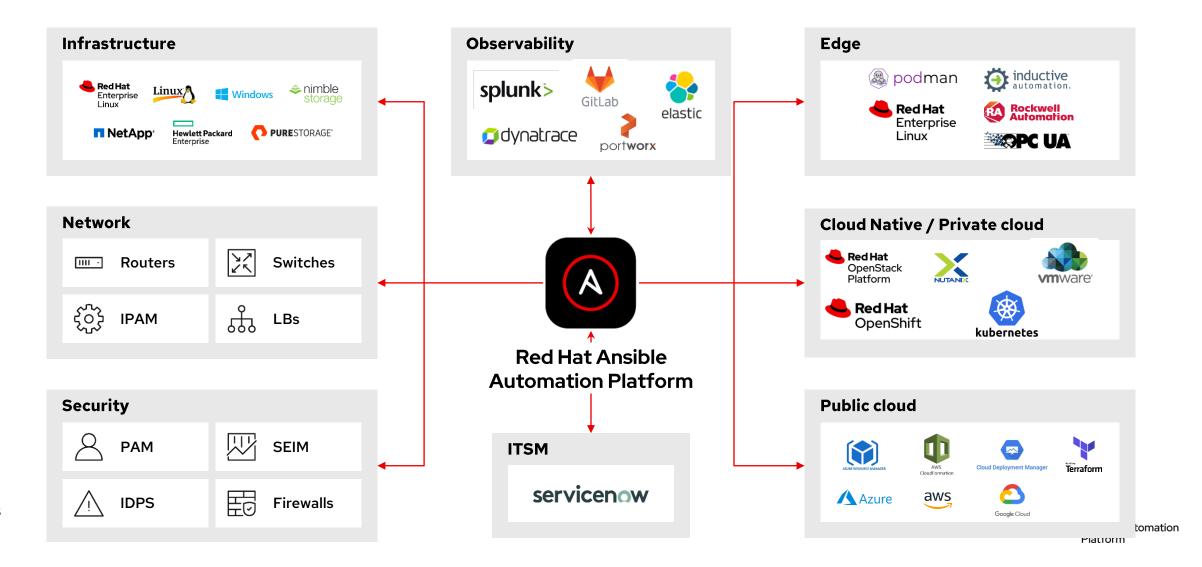


FIGURE 1

Forrester Wave™: Infrastructure Automation, Q1 2023

#### THE FORRESTER WAVE™

Infrastructure Automation

Q1 2023



## Red Hat Named a Leader in Infrastructure Automation by Industry Research Firm

Ansible Automation Platform acknowledged with the highest score in the strategy category; "leverages its strong open source community to power innovation"

Research, named Red Hat Ansible Automation Platform a leader in The Forrester Wave™: Infrastructure Automation, Q1 2023. Judged against a rigorous set of 30 criteria, Ansible received the highest score in the strategy category.

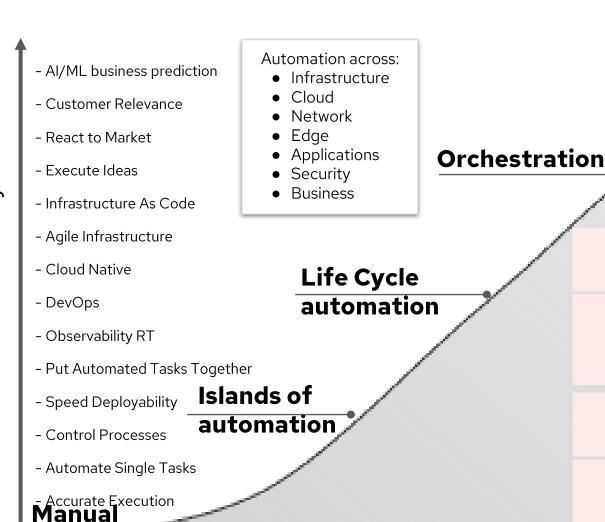
"Ansible has strengths in configuration management, integration with configuration management database (CMDB), analytics, and community support. It can clearly handle scale: Large global systems integrators lean on it to deliver managed services."

by Naveen Chhabra, principal analyst, Forrester





## From streamlining processes to automating from the business



#### Business Transformation

## Red Hat automation + Al



Rapidly build intelligent severless event pipelines with Kubernetes native workflows and Al model serving.

Apply event-driven automation triggered by Al algorithms to reduce manual tasks, improve mean-time-to-resolution, deliver more efficient IT operations

Integrate smart decisions in your remediation workflows with real-time predictions and inference

Accelerate the development of custom automation and remediation workflows with generative AI Code Assistant

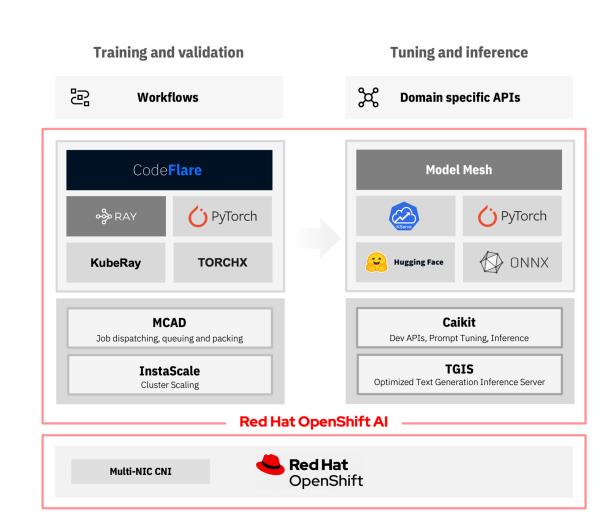
## An Open Source Platform for Machine Learning



#### **Red Hat OpenShift Al**

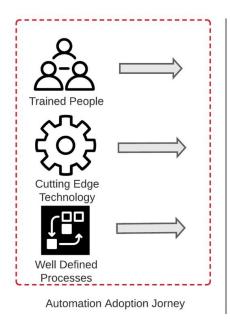
Expands upon the proven capabilities of Red Hat OpenShift to:

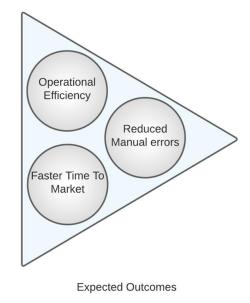
- Provide a unified platform for data scientists, IT Ops, and application developers.
- Support end-to-end workflow of training, tuning, and serving foundation models
- Automate entire model lifecycle with solutions for data science and MLOps teams
- Scale to handle workload demands of foundation models (volume of data, duration of training run, size of model, acceleration required, and scalability).
- ► Enable you to bring, tune, and deploy your own open source models
- Serve as underlying platform for training, serving and tuning foundation models for IBM watsonx.ai and Red Hat Ansible Lightspeed with Watson Code Assistant



## Red Hat value proposition

Aligning people, technology and processes as fundamental ingredients in building an extendible automation framework – enabling the automation of any use case, at any time and at scale.



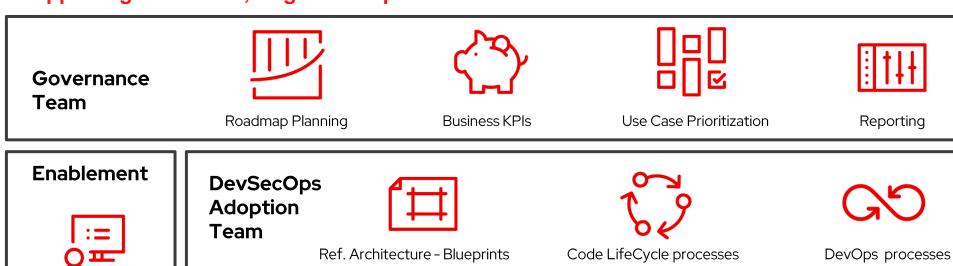






#### **Automation Practice Functions**

#### **Supporting structured, organic adoption**





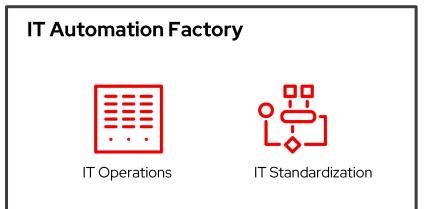


Digital Competence

Self-scaling teams



Provisioning, Orchestration

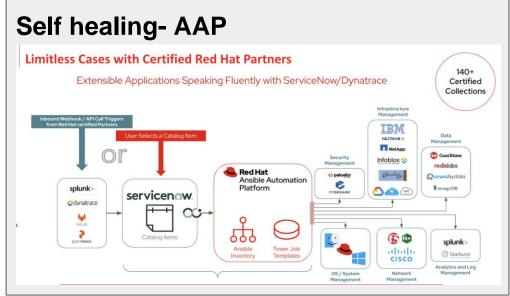


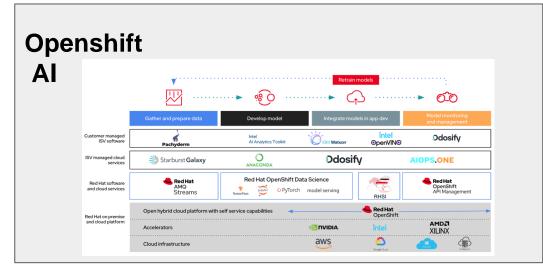
Reporting

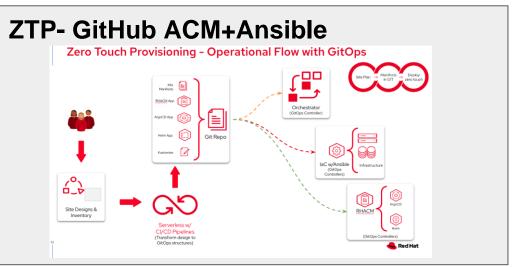


#### Red Hat Automation Solutions\_ Some Use Cases

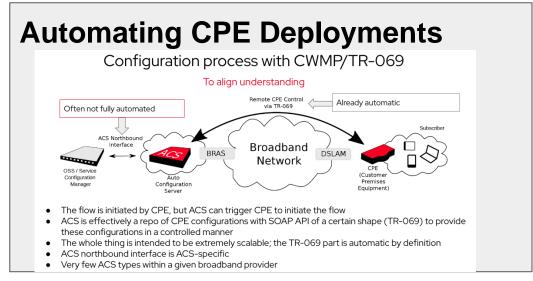


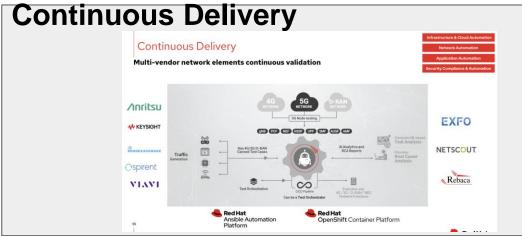


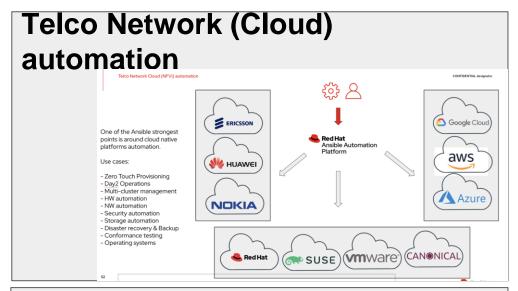


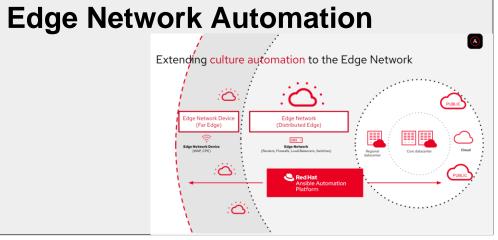


#### Red Hat Automation Solutions\_ Some Use Cases











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# Thank you



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