



Connect Event-Driven Automation with AAP

From Alerts to Actions

Chris Renwick
Specialist Solution Architect





Chris Renwick

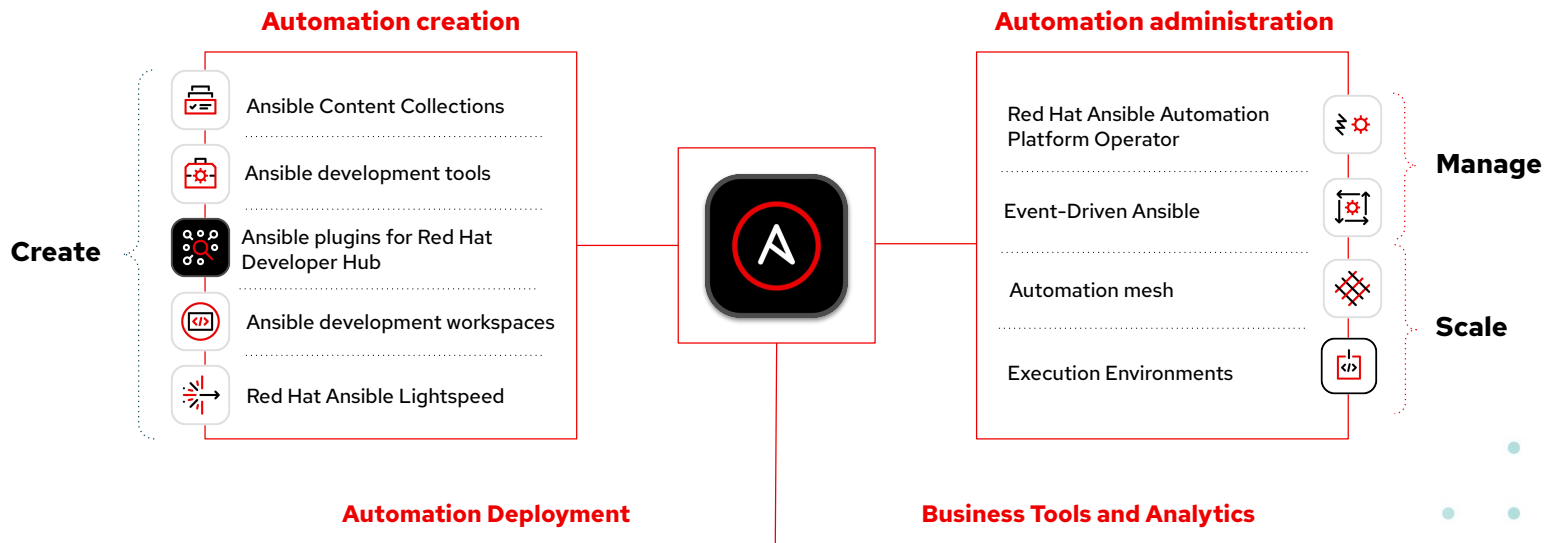
Specialist Solution Architect (Ansible)
Red Hat



Ansible Automation Platform



An integrated solution **for the enterprise.**



Ansible Collections

Supported and certified **content you can trust.**

170+

Certified and Validated
Content Collections

70+

Certified technology
partners



Event-Driven Ansible

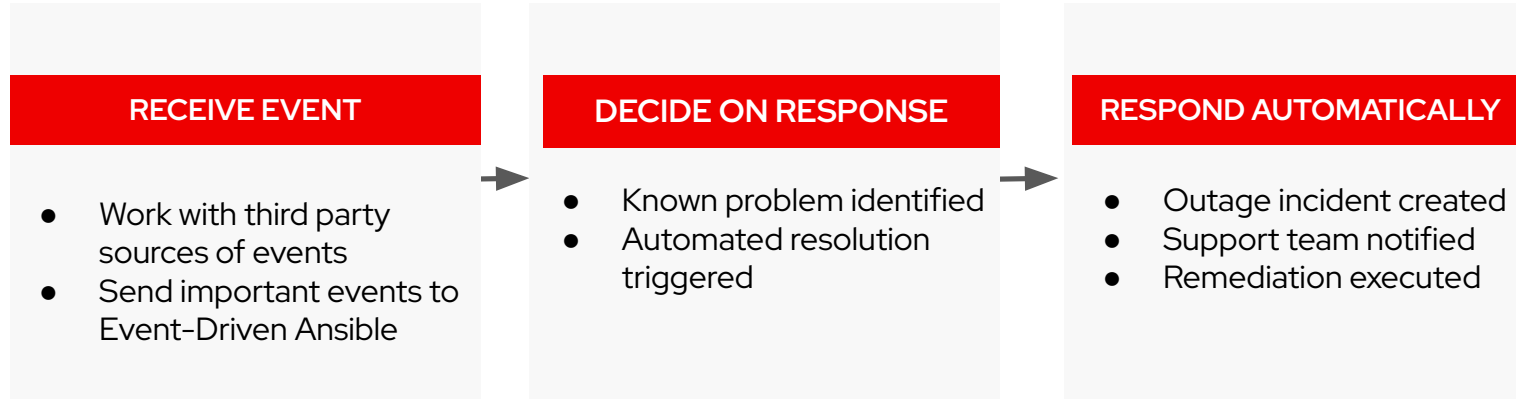


What is event-driven automation?

The ability to
connect intelligence, analytics and service requests
for an IT solution
to automated actions so that activities
can take place in a single motion.



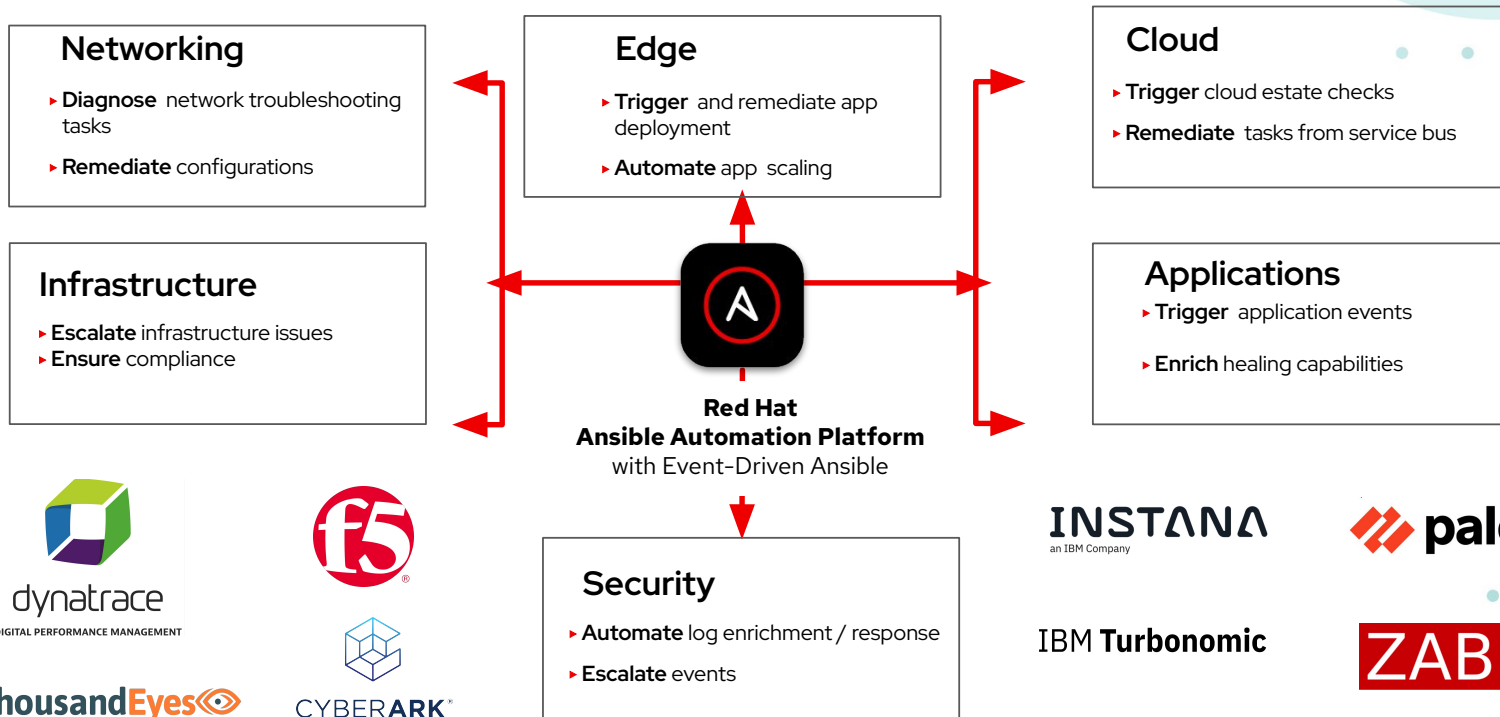
A typical event-driven automation process



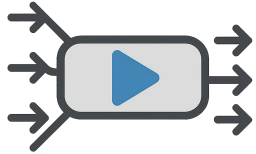
WORK ACROSS MULTI-VENDOR IT OPERATIONS

Work flexibly and well with multi-vendor monitoring and other solutions across the event driven architecture with appropriate approvals, controls and awareness

Event-Driven Ansible is use case-friendly.



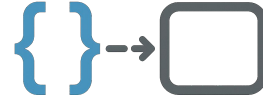
The Three Types of Event-Source Plugins



Event Bus



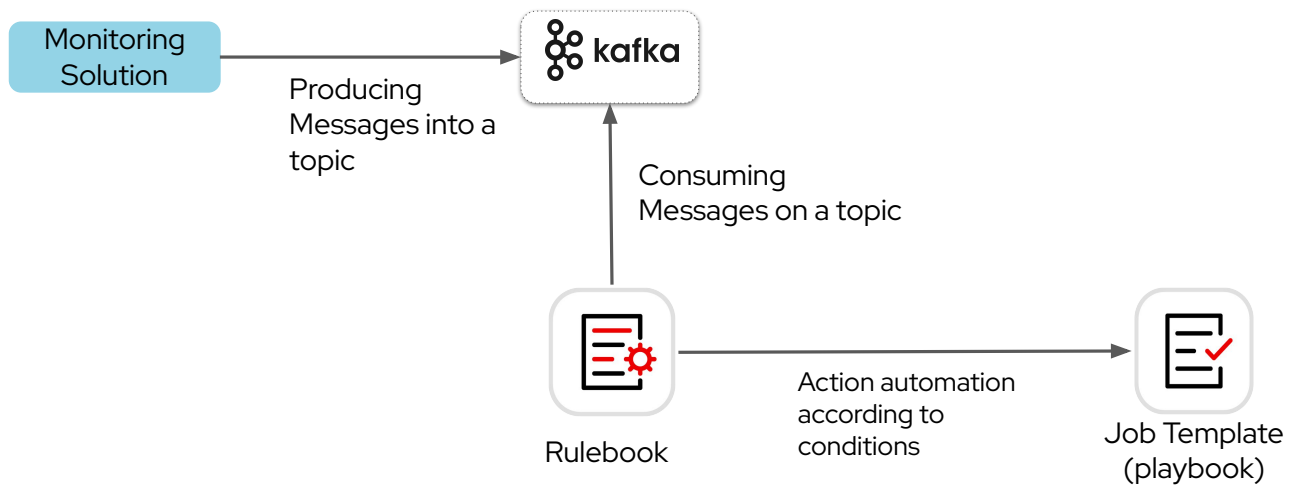
Scraper



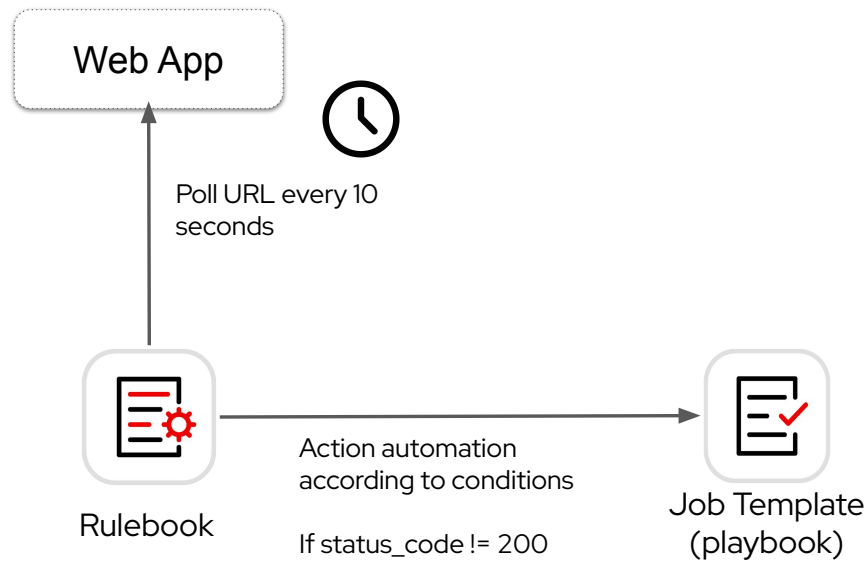
Callback



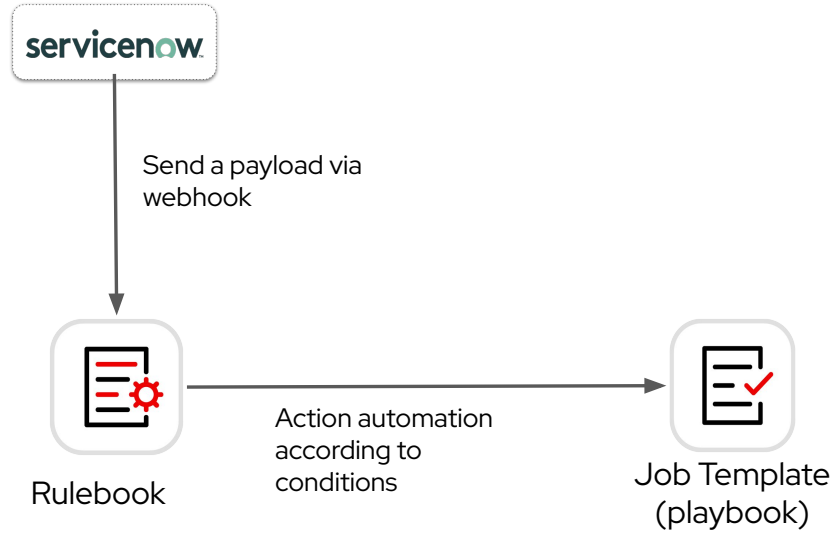
Event Bus



Scraper



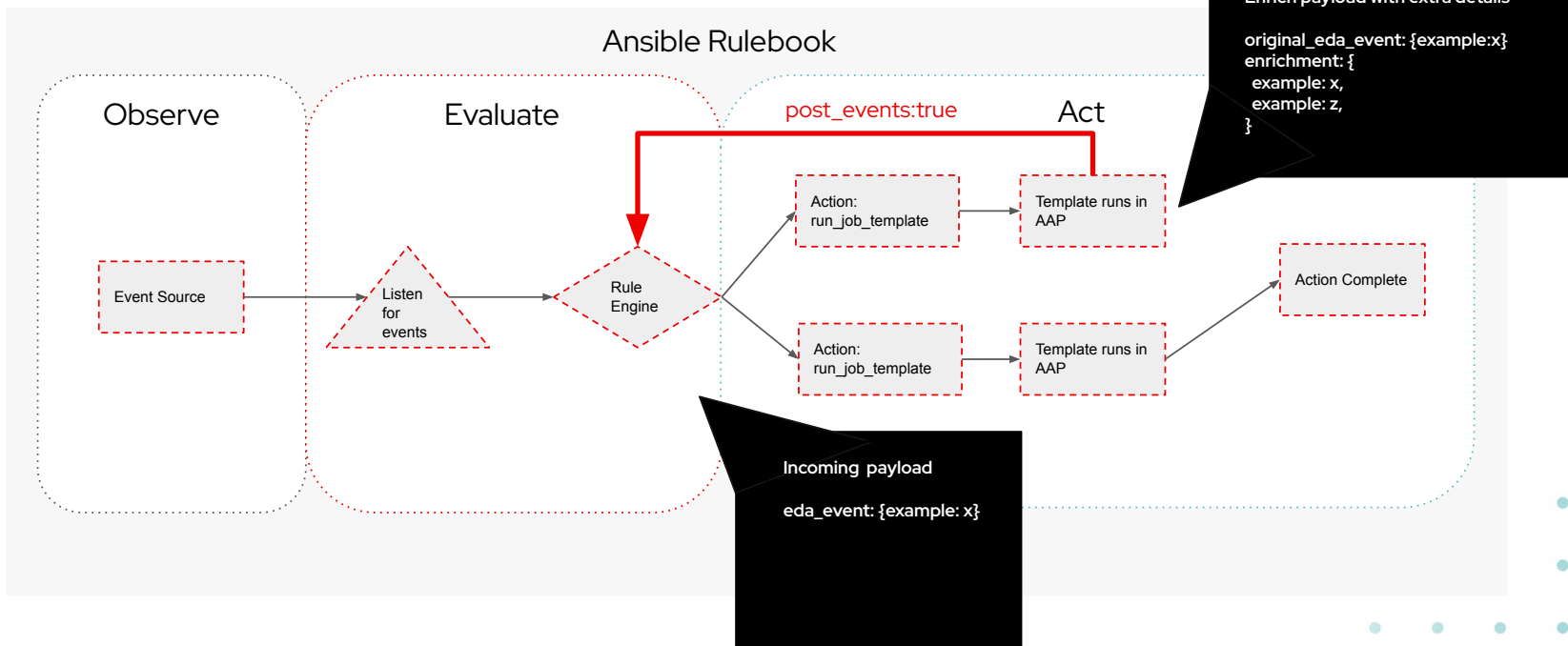
Callback



Enriching the event



Enrichment Steps



ServiceNow > Event-Driven Ansible Integration

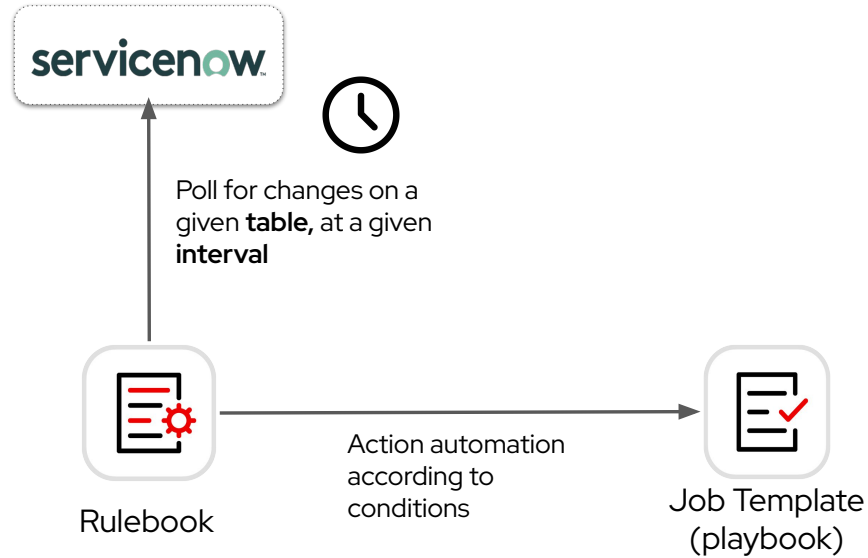
servicenow

ServiceNow.itsm collection

Event Source



ServiceNow.itsm Event Source Plugin



Demo





Rulebook



Playbook



EDA Controller





RHEL

servicenow

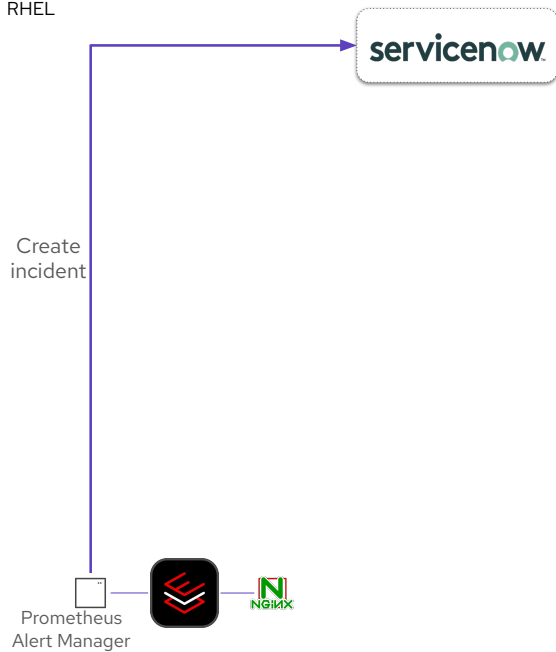


Prometheus
Alert Manager



-  Rulebook
-  Playbook
-  EDA Controller
-  RHEL



Initial Alert



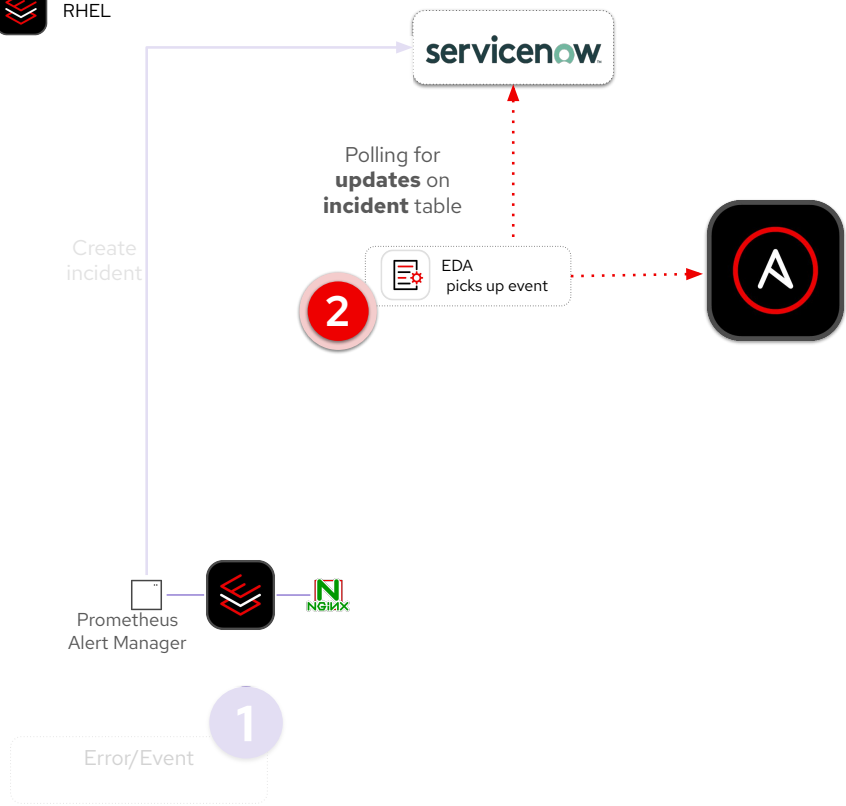
Error/Event




1



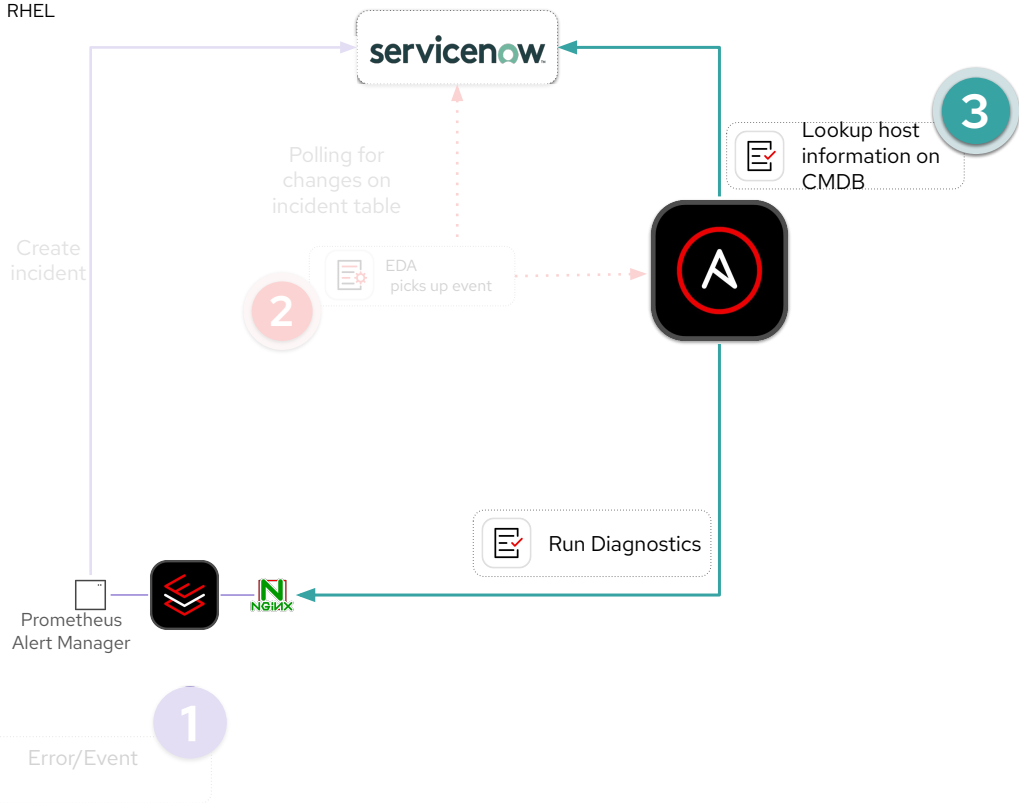
-  Rulebook
-  Playbook
-  EDA Controller
-  RHEL

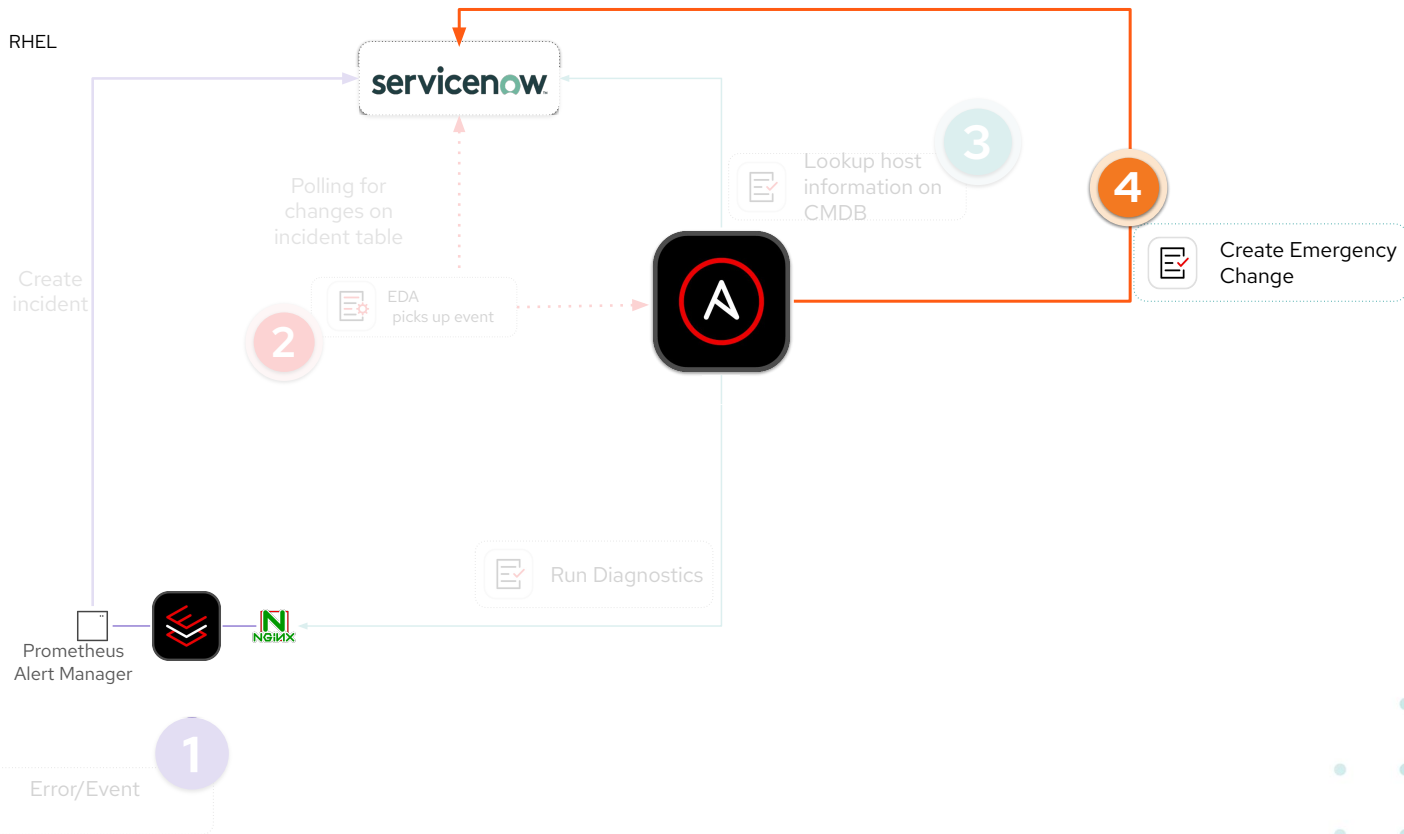
Event-Driven Reaction to incident



-  Rulebook
-  Playbook
-  EDA Controller
-  RHEL

Enrichment Steps







Rulebook



Playbook

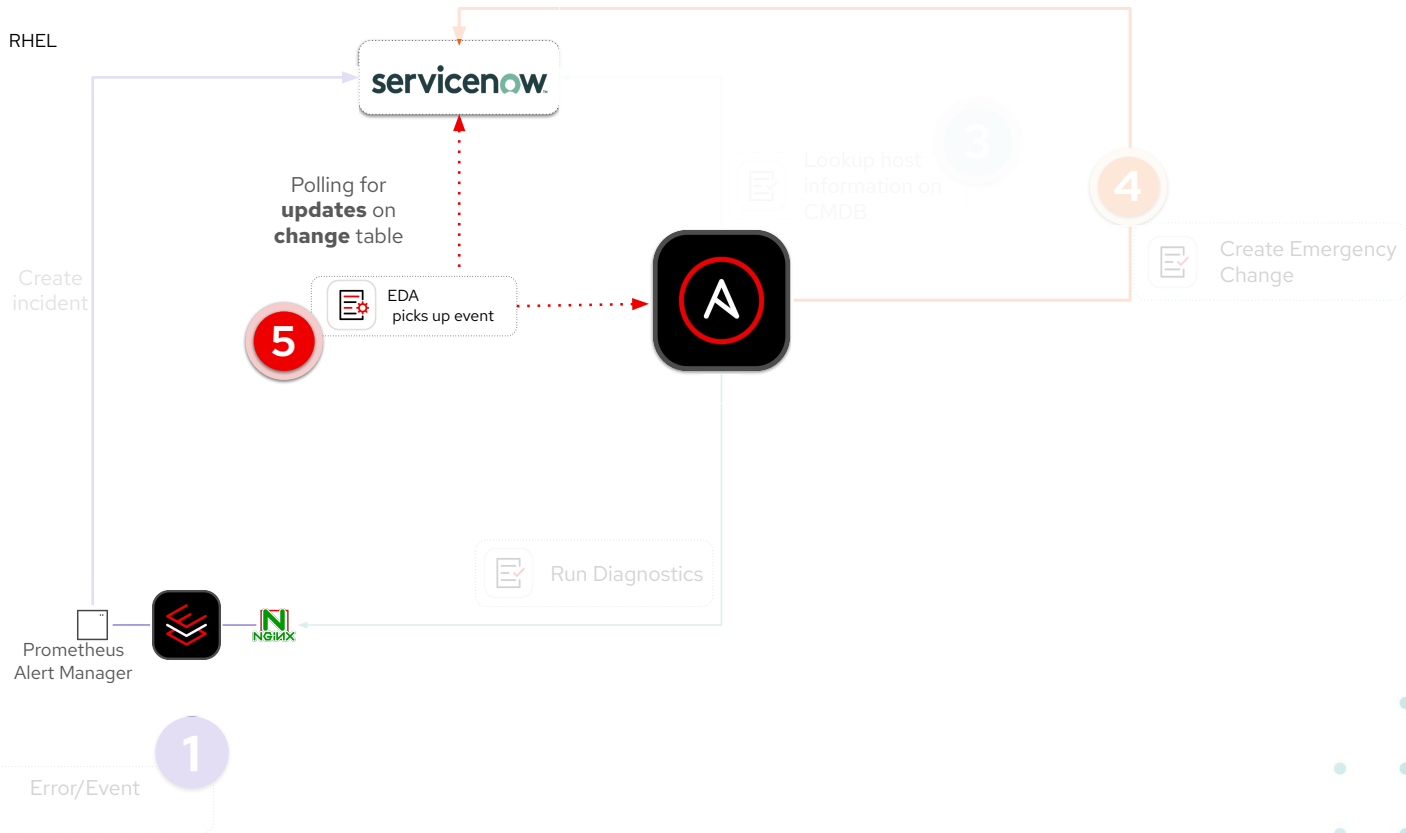


EDA Controller



RHEL

Event-Driven Reaction to change





Rulebook



Playbook

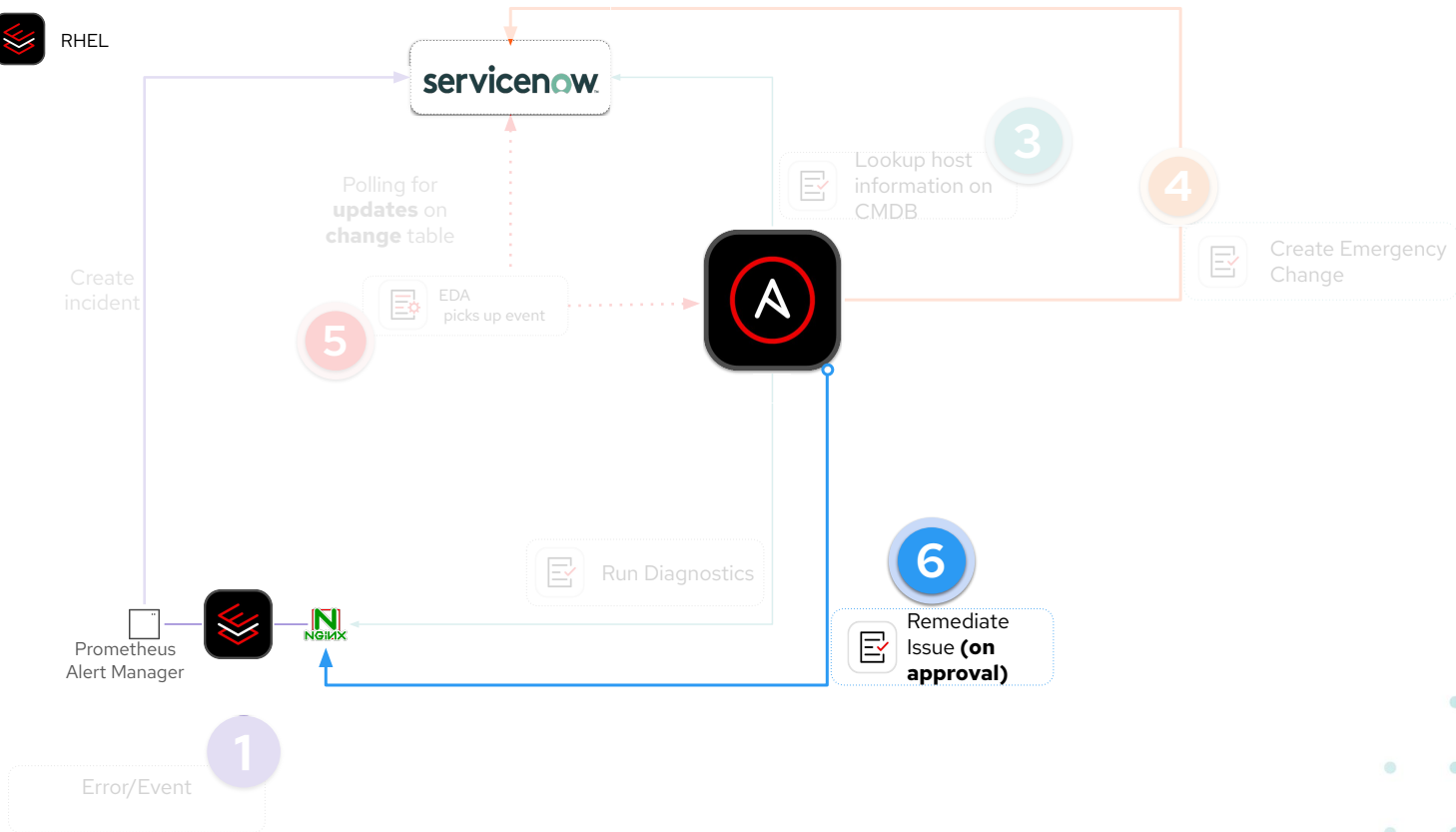


EDA Controller



RHEL

Remediation after approval





Rulebook



Playbook

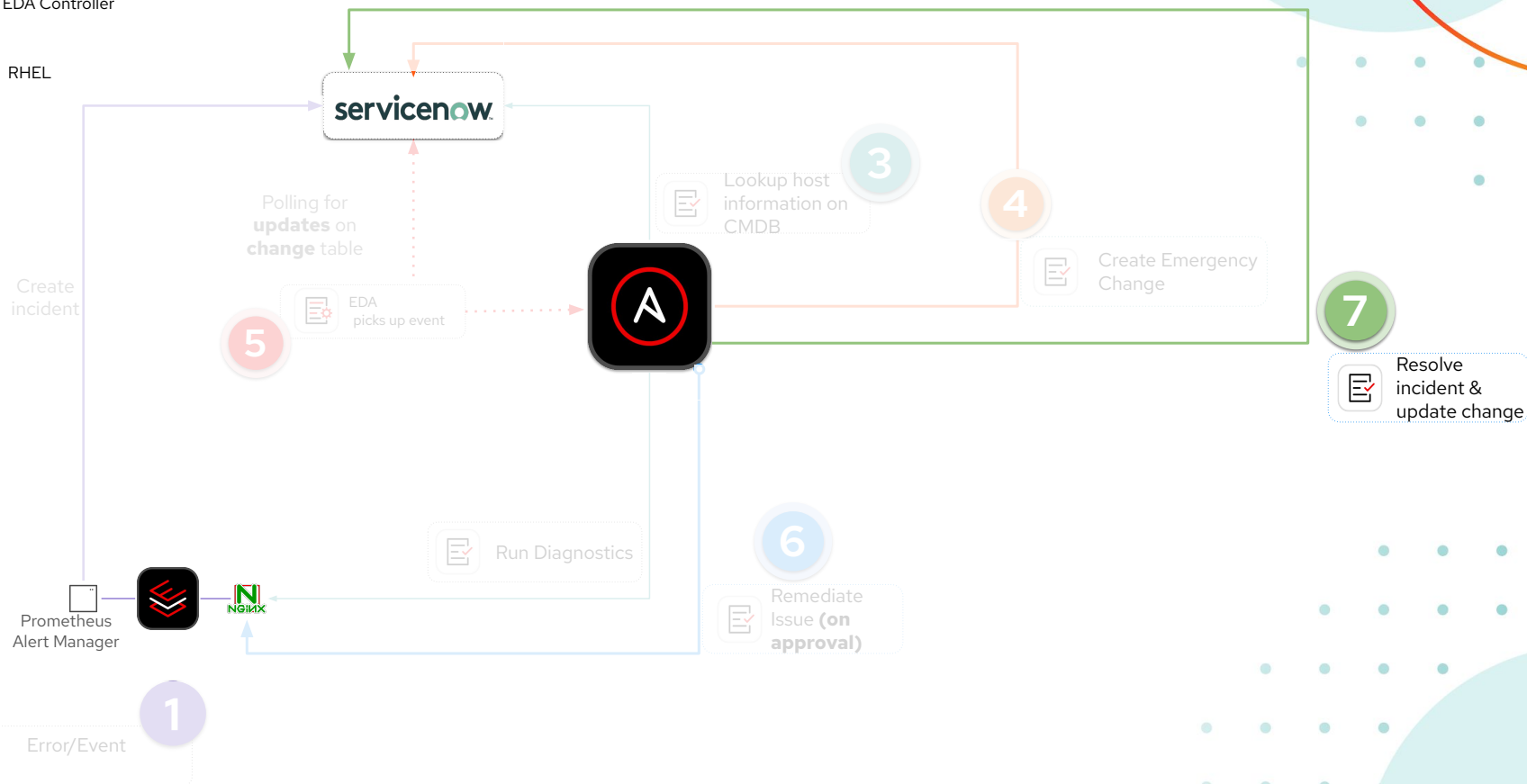


EDA Controller



RHEL

Post-Remediation Updates



Let's see it in
action



Key Takeaways

Value at a Glance



Faster MTTR with self-healing

Detect → diagnose →
remediate in minutes (or
seconds)

Run fixes and open/update
tickets in parallel



Human-in-the-loop for prod

Open a Change, wait for
approval/window, then
remediate and sync
INC/CHG.



Rich context on first touch

Auto-attach diagnostics
Give support engineers a
head start



Reliable incident intake (ServiceNow scraper plugin)

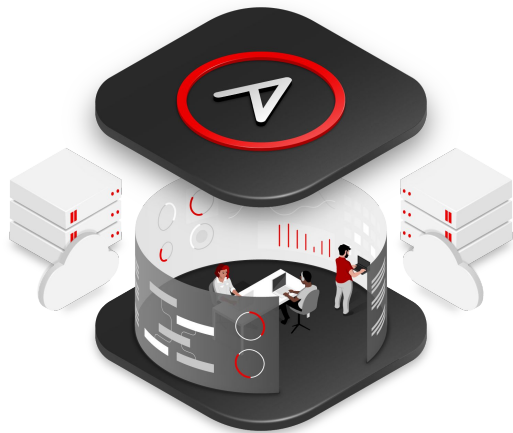
Uses the new ServiceNow
Event Source to poll for
changes.



AIOps



Red Hat Ansible unlocks AIOps



- ✓ **Event-Driven Ansible.** Engineered to turn data (of any kind) into action.
- ✓ **Industry-leading technology ecosystem.** Ansible will work seamlessly with whatever observability tools you have.
- ✓ **Comprehensive automation capabilities.** If your tools can see it, Ansible can automate it.



Useful links

Ansible Basics course: Automation Technical Overview

red.ht/AAP-intro-course

Self-guided Labs

red.ht/SGL

Ansible Sandbox

red.ht/AAP-sandbox

Ansible Automation Platform Solution Guides

(Red Hat subscription required)

<https://access.redhat.com/articles/7117333>

Ansible Community Meetups

<https://www.meetup.com/ansible-london/events/>



Questions





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