

### Connect



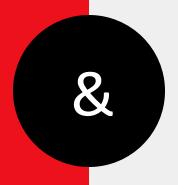
Intelligent Responses with Red Hat® Event-Driven Ansible and the Dynatrace Platform

Melvin Visch Senior Solution Engineer Dynatrace



**dynatrace** 







# Pre-integrated full stack solutions

















Application Security



Digit al

Experience







**Business** Automations **Analytics** 











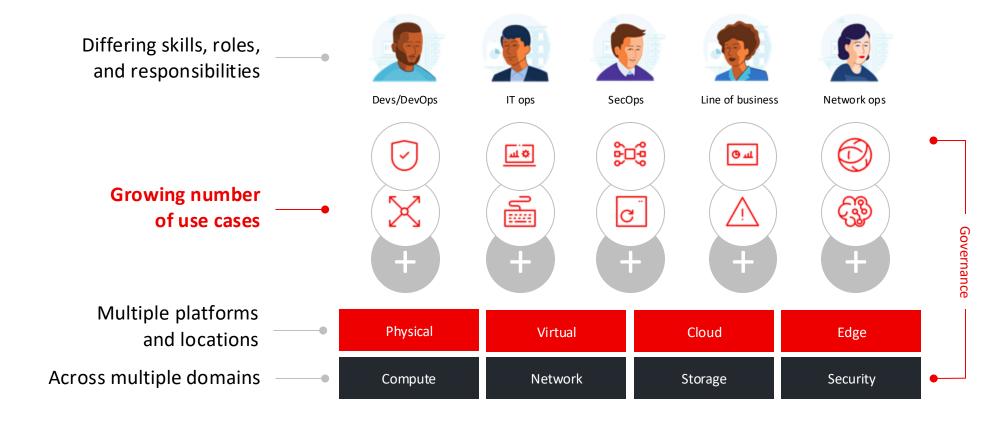








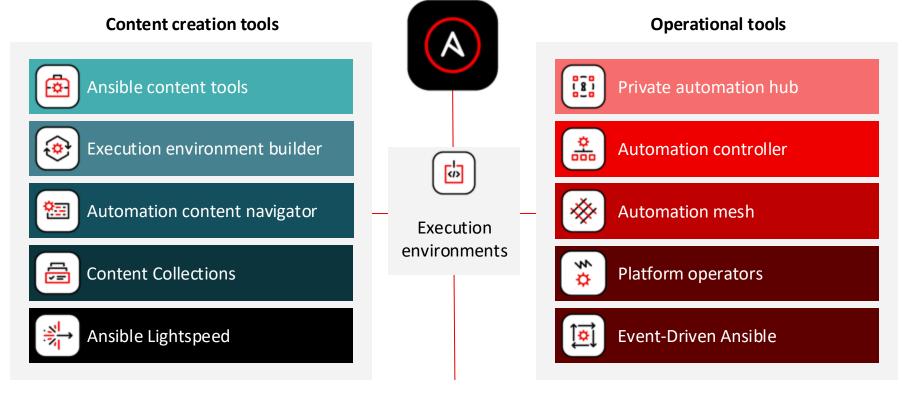
### Many organizations share the same challenge.



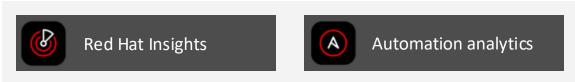




#### An integrated solution for the enterprise.



#### **Business Tools and Analytics**





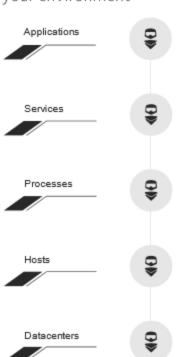
#### Advanced Observability with Red Hat & Dynatrace

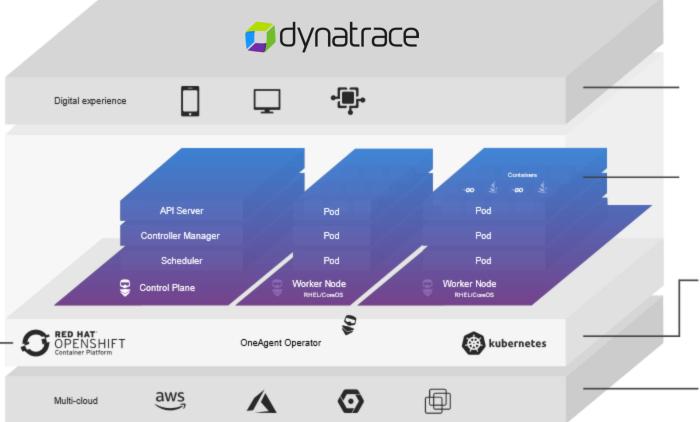
We went from zero to 12,000 hosts in less than two months. Our roll out happened while I was having a BBQ over the weekend! Automation, trust and tools were key to this success."

Reinhard Weber, Senior Product Manager









Monitor, analyze and optimize every digital interaction

Real-time auto discovery through OneAgent Operator injection of Docker and CRI-O containers without code or image changes

Automatic and continuous deployment of Dynatrace OneAgent Operator to all components

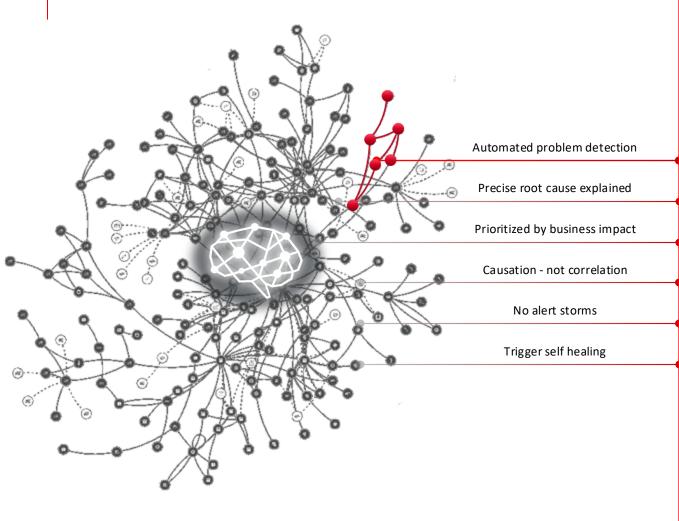
 Full integration with all major cloud platforms

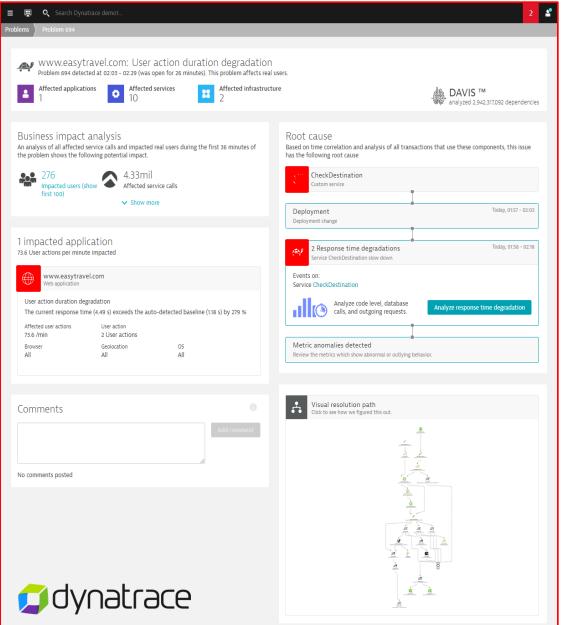
2019 29,341 processes instrumented. 1.5 weeks
Bank 2,116 servers. 3,178 services.

2020 454,190 processes instrumented. 3.5 hours
Insurer 18,509 servers. 131,073 services.



#### Advanced Observability with Red Hat & Dynatrace

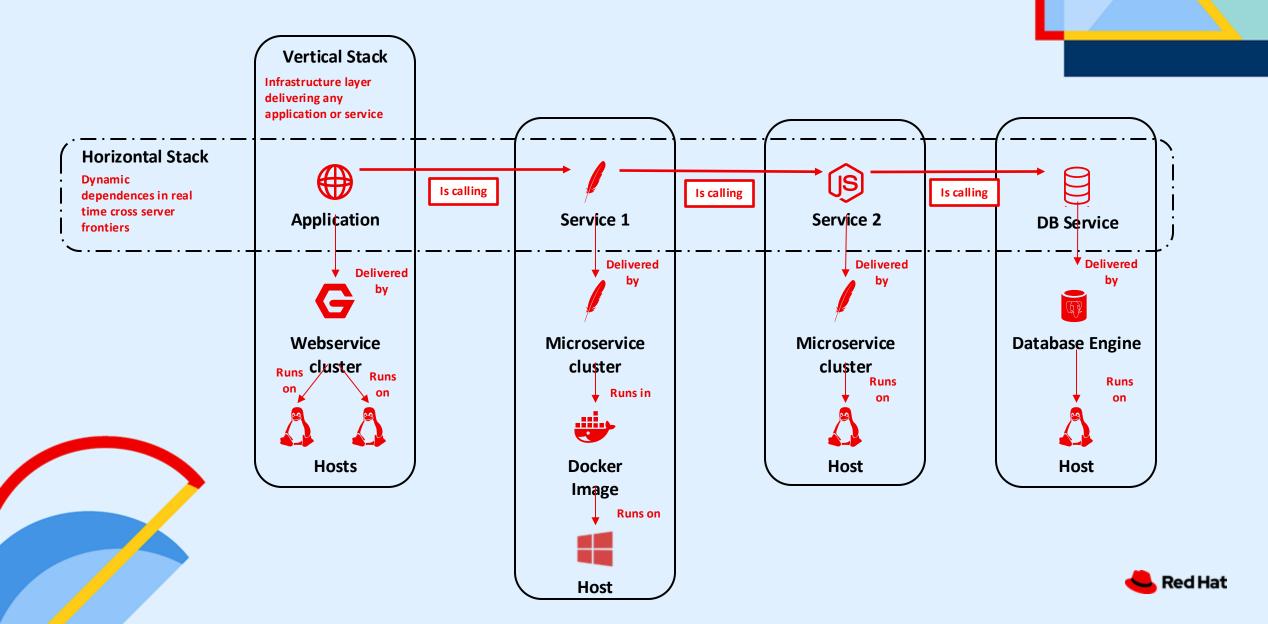






#### The Diagnostics of the Unknowns

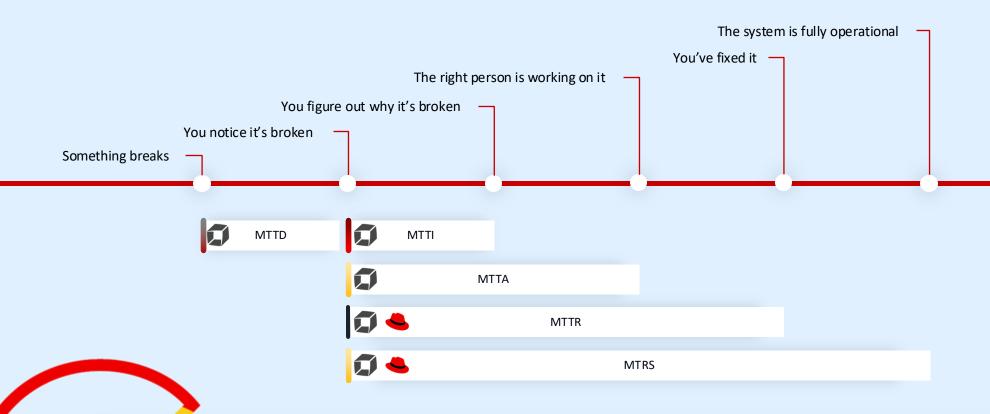




#### The timeline of an incident



How long is your MTRS?



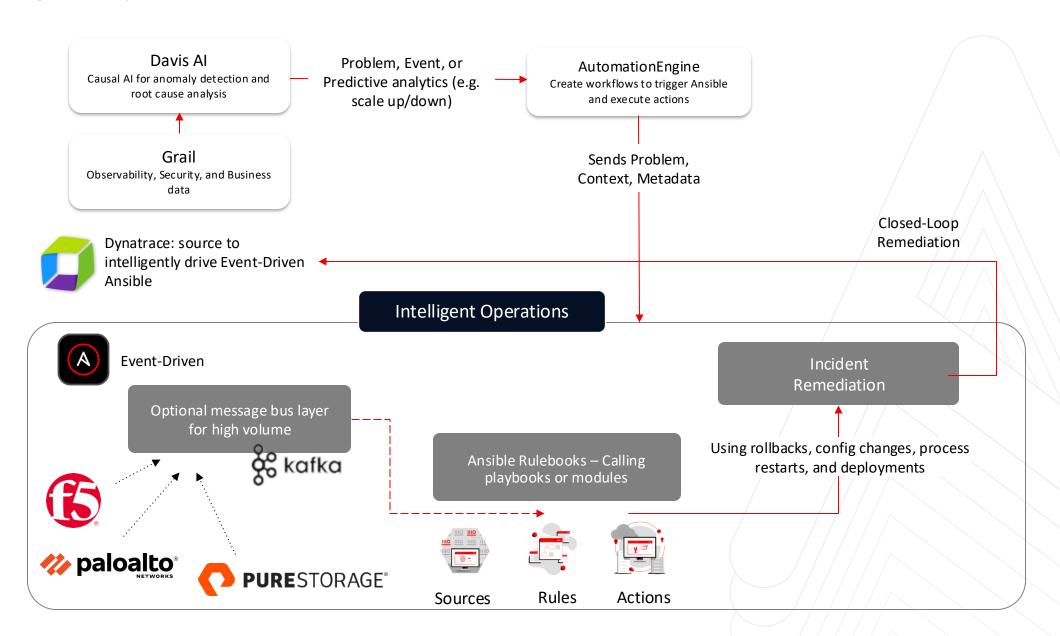
MMTD: Mean Time to Detect MTTI: Mean Time to Investigate MTTA: Mean Time to Action MTTR: Mean Time to Repair MTRS: Mean Time to Restore Service



#### Red Hat Event-Driven Ansible & Dynatrace:

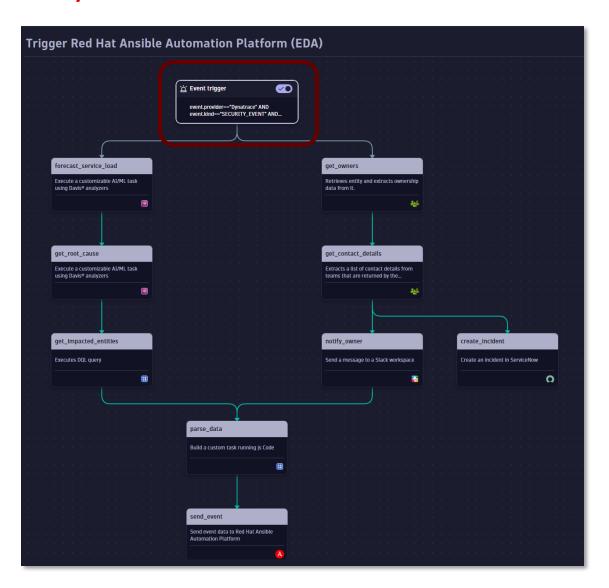
# dynatrace

#### Intelligent operations architecture



#### **Dynatrace Workflows**

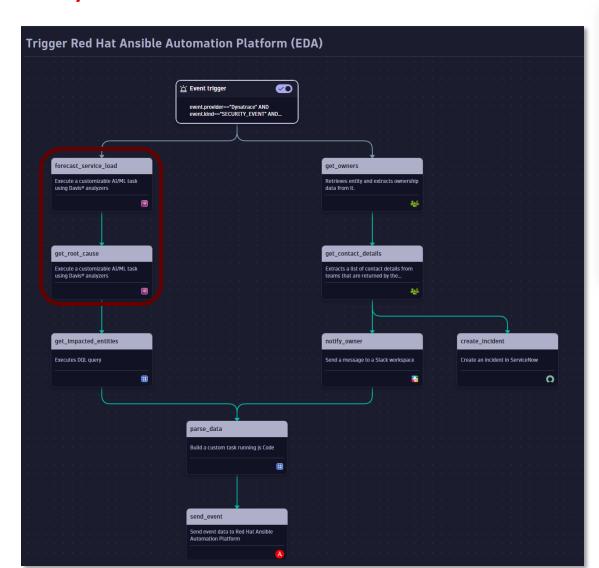




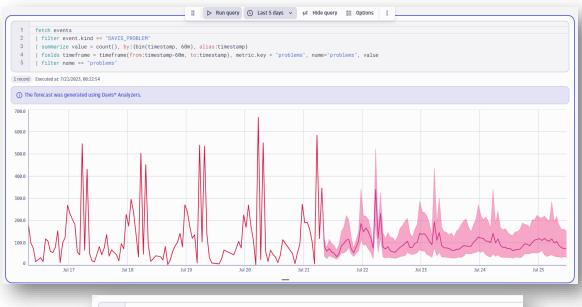
```
"timestamp": "2023-10-04T11:31:33.330000000Z",
"affected_entity.affected_processes.ids": [
  "PROCESS_GROUP_INSTANCE-50C2F14754649A82"
"affected_entity.affected_processes.names": [
  "IIS app pool dotNetBackend_easyTravel_x64"
"affected_entity.id": "PROCESS_GROUP-0A9A52EA262BC039",
"affected_entity.management_zones.ids": [
  "-863327984963308103",
  "-8367998469205081223",
  "5130731705740636866",
  "2843874372046580667".
  "8696294048462936180",
  "9130632296508575249",
  "-2465388576560717142"
"affected_entity.management_zones.names": [
  "willian",
  "pgTestMz",
  "Windows",
  "Dev2Dev Demo 2",
  "excemptions test",
  "Easytravel",
  "Winda"
"affected_entity.name": "IIS app pool dotNetBackend_easyTravel_x64",
"affected_entity.type": "PROCESS_GROUP",
"affected_entity.vulnerable_component.id": "SOFTWARE_COMPONENT-70218F62E5644660",
"affected_entity.vulnerable_component.name": "System.DirectoryServices.Protocols:4.8.41
"affected_entity.vulnerable_component.short_name": "System.DirectoryServices.Protocols"
"dt.entity.process_group": "PROCESS_GROUP-0A9A52EA262BC039",
"event.category": "VULNERABILITY_MANAGEMENT",
"event.description": "S-4868 Credential Exposure state event reported",
"event.group_label": "STATE_REPORT",
"event.kind": "SECURITY_EVENT",
"event.level": "ENTITY",
"event.name": "Vulnerability historical state report event",
"event.provider": "Dynatrace",
```









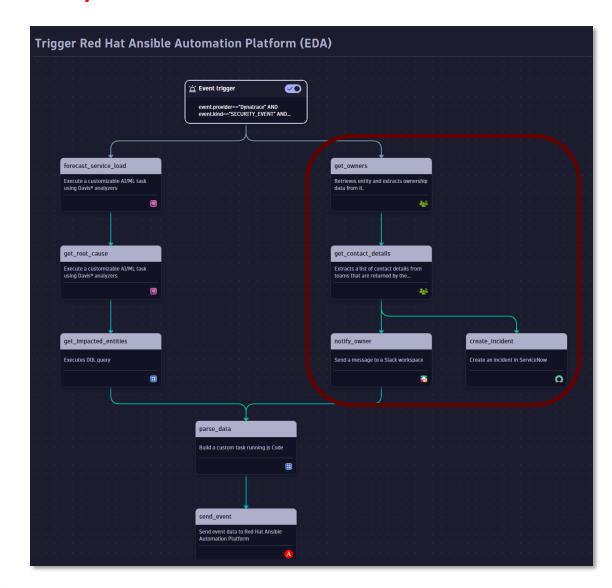


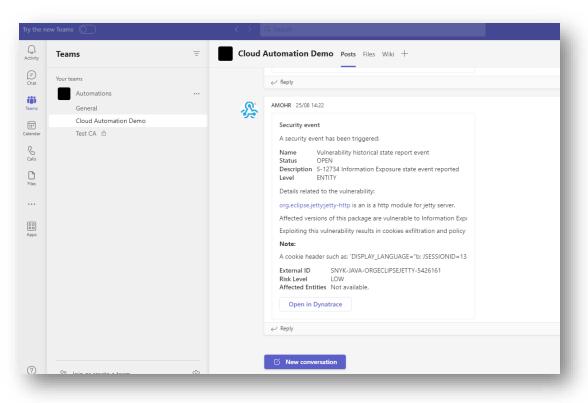




# **Dynatrace Workflows**



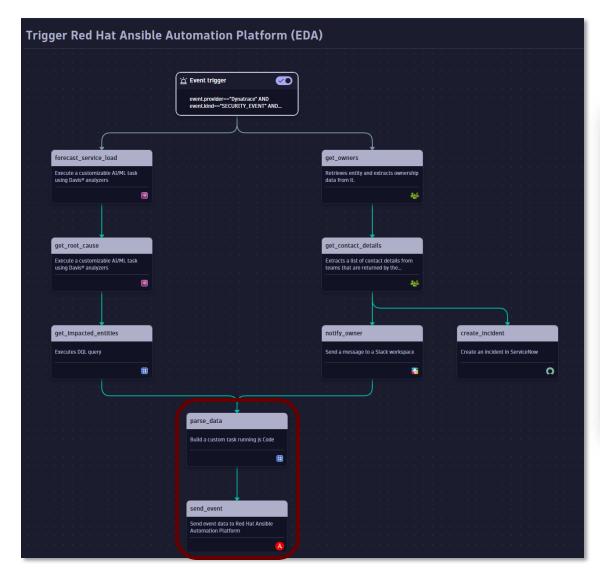


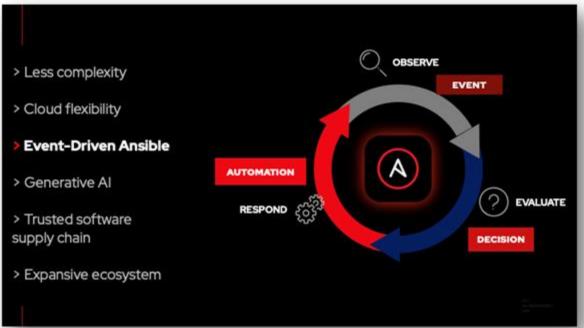




# **Dynatrace Workflows**



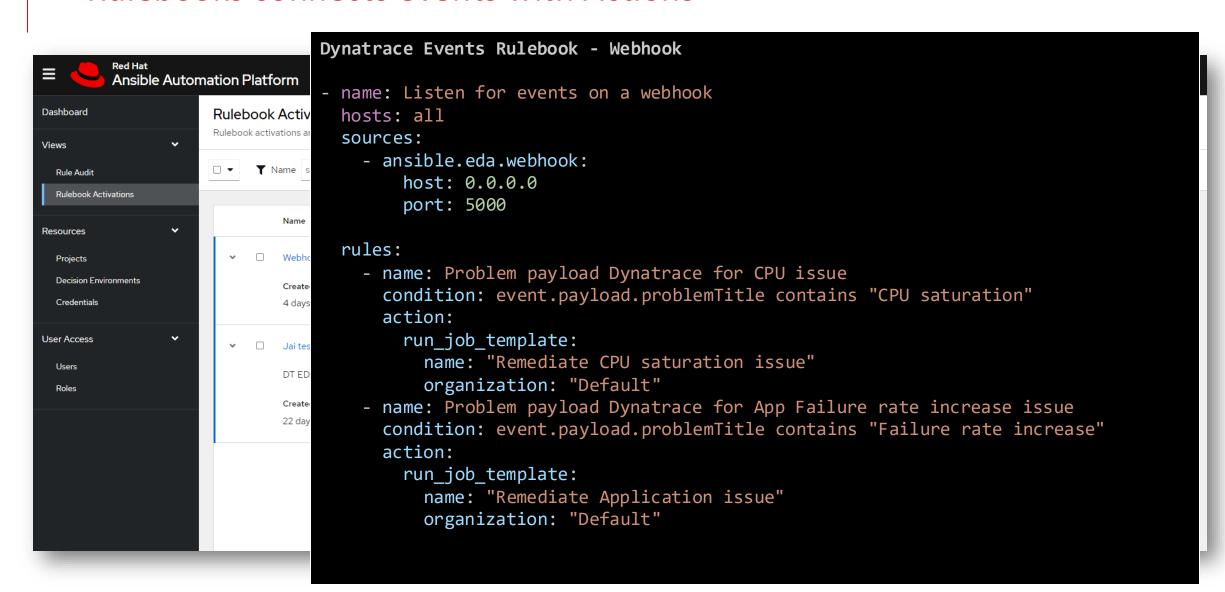






#### Rulebooks connects events with Actions

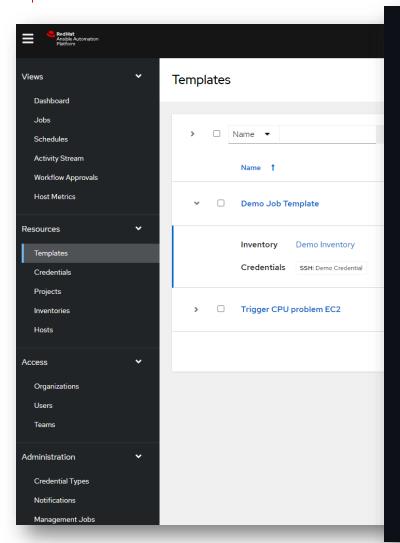






#### **Trigger Job Templates**





```
    name: Fix CPU stauration issues

 hosts: all
 connection: ssh
 tasks:
   - name: Print Dynatrace ProblemId
     debug:
       msg: "{{ansible eda.event.payload.eventId}}"
     when: ansible_eda.event.payload.problemStatus == "OPEN"
    - name: Post comment to Dynatrace - triggered playbook
     shell: "curl -X POST --header 'Authorization: Api-Token {{dynatrace_api_token}}' -H 'Content-Type: application/json' -d '{\"message\":
     when: ansible eda.event.payload.problemStatus == "OPEN"
    - name: Login to OpenShift cluster
     command: oc login -u {{openshift_user}} -p {{openshift_pwd}} --insecure-skip-tls-verify {{openshift_api_url}}
     when: ansible_eda.event.payload.problemStatus == "OPEN"
    - name: Set environment variable for easyravel-loadgen deployment config to trigger new rollout
     command: oc set env dc/easytravel-loadgen ET_PROBLEMS- ET_BACKEND_URL- -n easytravel
     when: ansible_eda.event.payload.problemStatus == "OPEN"
    - name: Sleep for 60 seconds
     wait for:
       delay: 60
       timeout: 0
     when: ansible_eda.event.payload.problemStatus == "OPEN"
   - name: Roll out latest deployment for easytravel-backend
     command: oc rollout latest dc/easytravel-backend -n easytravel
     when: ansible_eda.event.payload.problemStatus == "OPEN"
    - name: Sleep for 60 seconds
     wait_for:
       delay: 60
       timeout: 0
      when: ansible eda.event.payload.problemStatus == "OPEN"
```





Connect

# Thank you



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