Bringing the power of Red Hat Insights to the Red Hat Ansible Automation Platform

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Senior Software Engineer
Red Hat Ansible Automation Platform
Red Hat Insights has expanded

- Suite of hosted services with Red Hat subscriptions
- Rule-based analytical models and data visualization
- Simplify, accelerate, and optimize IT operations
- Teams can innovate and move faster
Red Hat Insights is expanding
More platforms, more data, more observability

- Red Hat Insights for Red Hat Enterprise Linux
- Red Hat Insights for Red Hat OpenShift
- Red Hat Insights for Red Hat Ansible Automation Platform

Red Hat Insights for more platforms, more data, more observability.
The importance of automation cannot be overstated

- 2020 showed the importance of using automation to pivot quickly and reallocate different types of work and projects
- Many enterprises were spinning up automation projects for the first time
- Automation technology has quickly evolved to cover more domains than ever before
- What happens when the time comes to observe and benchmark your automation efforts?
As automation grows, enterprises need a way to calculate, benchmark and **show their automation success over time**.

It should be easy for automation consumers in different parts of the business to get a **birds’ eye view of automation projects**, see what’s working the right way, and see how automation is benefitting the entire business.

Insights for Ansible is a hosted service within the Ansible Automation Platform that does this with a **low barrier to entry**.
Ansible Automation
Ansible technologies combined into a product delivered to customers

Ansible Cloud Services
Ansible hosted platform services provided via cloud.redhat.com

Ansible Content
Ansible Technology Use Cases Delivered via Automation Hub

Powered by Ansible – The Universal Automation Language fuelled by the Open Source Community
## REPORT, RESOLVE AND RECOGNIZE THE VALUE OF AUTOMATION

### Challenge

Customers struggle to understand and measure automation initiatives across an enterprise, making it difficult to capture wins and avoid costly mistakes.

### Solution & Business Value

Insights for Ansible helps customers understand the value of automation through tangible business metrics, resolve issues with AAP more quickly, and receive expert guidance on how to continuously progress their automation initiatives.

### Technical Implementation

Insights for Ansible is provided on cloud.redhat.com as a hosted service. Customers are granted access to via their Red Hat Ansible Automation Platform subscription.
Insights for Ansible tries to help our customers answer a few basic questions:

● Which teams are leveraging Ansible Automation, and are they successful?

● How can I tell what’s working and what’s not?

● How much progress have we made? How can Red Hat help us evolve?
Which teams are leveraging Ansible Automation, and are they successful?
Organizational Statistics

- Break down your automation by which specific team is running projects to access a level of granularity not often reached within automation.
- Understand which organization is running the most automation jobs, and total automation load used by each team.
- Organizational statistics can help plan for future spend and allocation around automation resources, providing details around value of automation projects across a business.
How can I tell what’s working and what’s not?
Job Explorer

- Filter Ansible clusters in real-time with "job", "cluster", "organization", "template"
- Refine queries by date and whether job passed or failed
- Create specific queries to see what automation is running where, detailed queries by either job type, or singular job template
Proactive Notifications, Automation Calculator

- Use a dedicated panel to see aggregated data and valuable context around deployments in quick, succinct takeaways
- See notifications in an intuitive interface with color coding to quickly identify errors, notices and warnings across all of your deployed clusters.
- Filter notifications by issue severity, or by specific Ansible cluster
- See success in advance with the automation calculator, ranking automation jobs from most saved to least saved in units of dollars
# Notifications

## All Clusters

<table>
<thead>
<tr>
<th>Type</th>
<th>Message</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Warning</strong></td>
<td>Cluster ansible.rhdemo.io license remaining host capacity is only 8 hosts</td>
<td>3 day(s) ago</td>
</tr>
<tr>
<td><strong>Notice</strong></td>
<td>Notifications list updated 2021-03-05T13:07:11+00:00</td>
<td></td>
</tr>
<tr>
<td><strong>Error</strong></td>
<td>Cluster Error: No data from tower.ansible.eng.rdu2.redhat.com in 13 days</td>
<td>3 day(s) ago</td>
</tr>
<tr>
<td><strong>Error</strong></td>
<td>Cluster Error: No data from ansible.rhdemo.io in 1 day</td>
<td>3 day(s) ago</td>
</tr>
</tbody>
</table>
How much progress have we made? How can Red Hat help us evolve?
Edit details

1. Details
2. Tasks
3. Link template

- What do you want to automate? *
  - I'm Pinterest Verizon 8-bit deep

- Description
  - You probably haven’t heard of them single origin coffee pint

- How many hosts do you plan to run this on?
  - 2

- What type of automation is it? *
  - Networking

- How long does it take to do this manually? *
  - 5 minutes

- Frequency (monthly) *
  - 2
Edit details

What tasks do you need to accomplish this plan? (optional)

Milkshk srirachc pitchfork fancy pack flannel.

Tasks

- Milkshk srirachc pitchfork fancy pack flannel.
- Vexillologist sustainable woff, street art woke four dollar toast raw denim offal tumblr blandiesel.
- Troubled logi mosh, mustache chartreuse truffle woke tof. +1.
- Typewriter pug shoreditch food truck selian flannel nanwhal la croix actually 90's pinter es atf.
- VHS asymmetrical vinyl echo park selian messenger bag DIY try-hard.

Next  Back  Cancel
Edit details

1. Details
2. Tasks
3. Link template

Link a template to this plan (optional)

Name Filter by name...

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>single origin coffee</td>
<td>Playbook run</td>
</tr>
<tr>
<td>Workflow</td>
<td>Workflow</td>
</tr>
<tr>
<td>Job template 3</td>
<td>Playbook run</td>
</tr>
<tr>
<td>Job template 4</td>
<td>Playbook run</td>
</tr>
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</table>

Save  Back  Cancel
### Details

<table>
<thead>
<tr>
<th>Name</th>
<th>Automation type</th>
<th>Networking</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I'm pinterest venmo 8-bit deep</td>
<td>Run on hosts</td>
<td>2</td>
<td>You probably haven't heard of them single origin coffee pinteres venno.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Manual time</th>
<th>Templates</th>
<th>Automation status</th>
<th>Frequency</th>
<th>Last updated</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 minutes</td>
<td>single origin coffee pinteres</td>
<td>Running</td>
<td>2 (monthly)</td>
<td>01/23/2021 2:30:05pm</td>
</tr>
</tbody>
</table>

### Tasks

1. Mix up sriracha pitchfork fancy pack flannel.
2. Veinologist sustainable wolf, street art woke four dollar toast raw denim offal tumbler biodiesel.
3. Troubled kogi meh, mustard chartreuse trufflefaut woke tofu +1.
4. Typewriter pug shoreditch food truck selian flannel narwhal la croix actually 90s pinteres af.
5. VHS asymmetrical vinyl echo park selian messenger bag DIY try-hard.
I'm pinterest venmo 8-bit deep

Year 1 Savings: $320,000

Total savings: $5,150.00

Operation savings efficiency from Ansible template
Cumulative net benefits
Costs

Automation formula:

Manual cost for template = (time for a manual run on one host in hours * sum of all hosts across all job runs) * cost per hour

Automation cost for template = cost of automation per hour * sum of total elapsed hours for a template

Savings = Sum of (manual cost - automation cost) across all templates
Automation Planner
- MVP

Automation Calculator
- Updated view of Automation Calculator tool

Reporting
- PDF Export of Reports

Automation Planner
- Account Team Assist

Analytics
- RBAC

Reporting
- Saved searches
- Easier filtering of current view

Organization Stats
- Update view and new Comparison tools

Notifications
- Email / Notifications

Automation Planner
- Context Recommendations
And now for a quick demo of cloud.redhat.com
New Features published after each sprint to cloud.redhat.com/beta for testing and usage.
How much progress have we made? How can Red Hat help us evolve?