Red Hat
Ansible Automation
Platform

ANSIBLE AUTOMATES

Automation Analytics

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What we're talking about today:

What is Automation Analytics?

What can it do?

How do I enable it?

What is the Ansible Automation Platform?

- Supported Ansible Engine
- Supported Ansible Tower
- Network Automation content
- Security Automation content (new)
- **Collections** - supported through Tower -- **NEW**
- **Automation Hub** (new on cloud.redhat.com) -- **NEW**
- **Automation Analytics** (new on cloud.redhat.com) -- **NEW**

(More when new services will be released in 2020)

What is Automation Analytics?

Automation Analytics

What is it?

- SaaS (Software as a Service) on cloud.redhat.com
- Analytics for all Ansible Tower clusters for an enterprise
- Includes:
  - Visual Dashboard
  - Health Notifications
  - Organization Statistics

Automation Analytics

Included with your Red Hat Ansible Automation Platform subscription

Discover

Reveal most used Ansible Playbooks and modules from a intuitive dashboard

Inform

Stay informed with relevant health notifications for your Ansible Automation

Engage

Visualize how organizations consume and use automation across an enterprise

Provides valuable data to help an organization measure success for their Automation

Why did we do it?

- Customers running Ansible in multiple environments needed to look across multiple Tower environments
- Answer questions like: If I've given automation access to people, are they actually using it?
- *In the future:* Provides opportunities for chargeback
- *In the future:* help show ROI of automation. Who's using it, what are they doing, how much time are they saving?

What can it do?

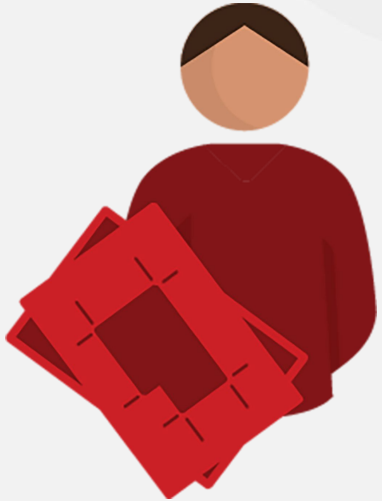
Automation Analytics

Enabling an Automation Center of Excellence

View information about automation health, usage and performance across your enterprise.

Gain information about automation in your enterprise:

- Which organizations are using the most automation?
- Utilization rates
- Enterprise-wide success and failure rates for automation

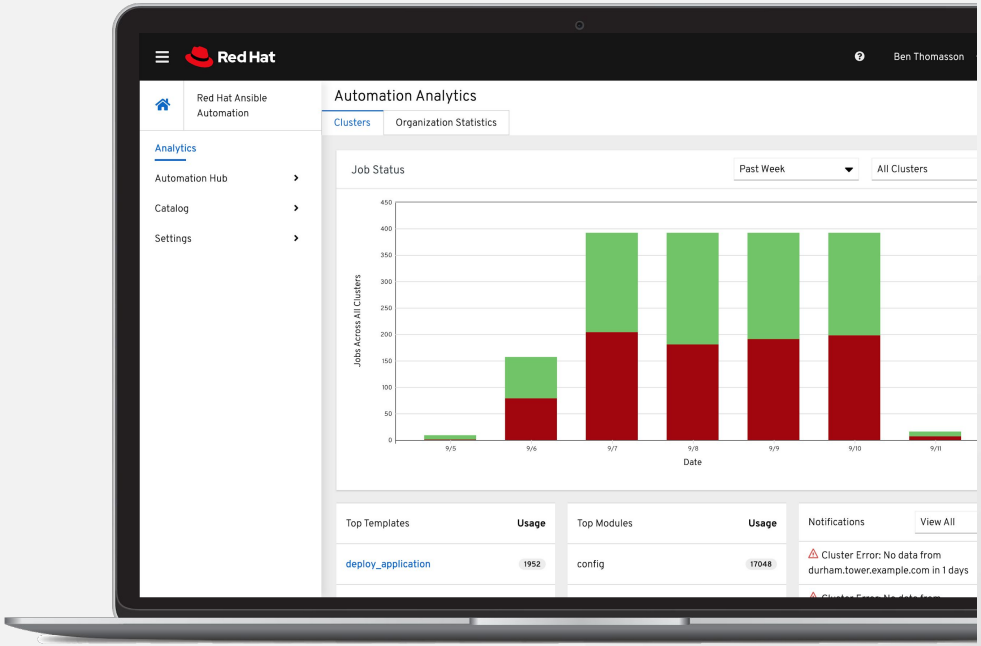


Analytics Dashboard

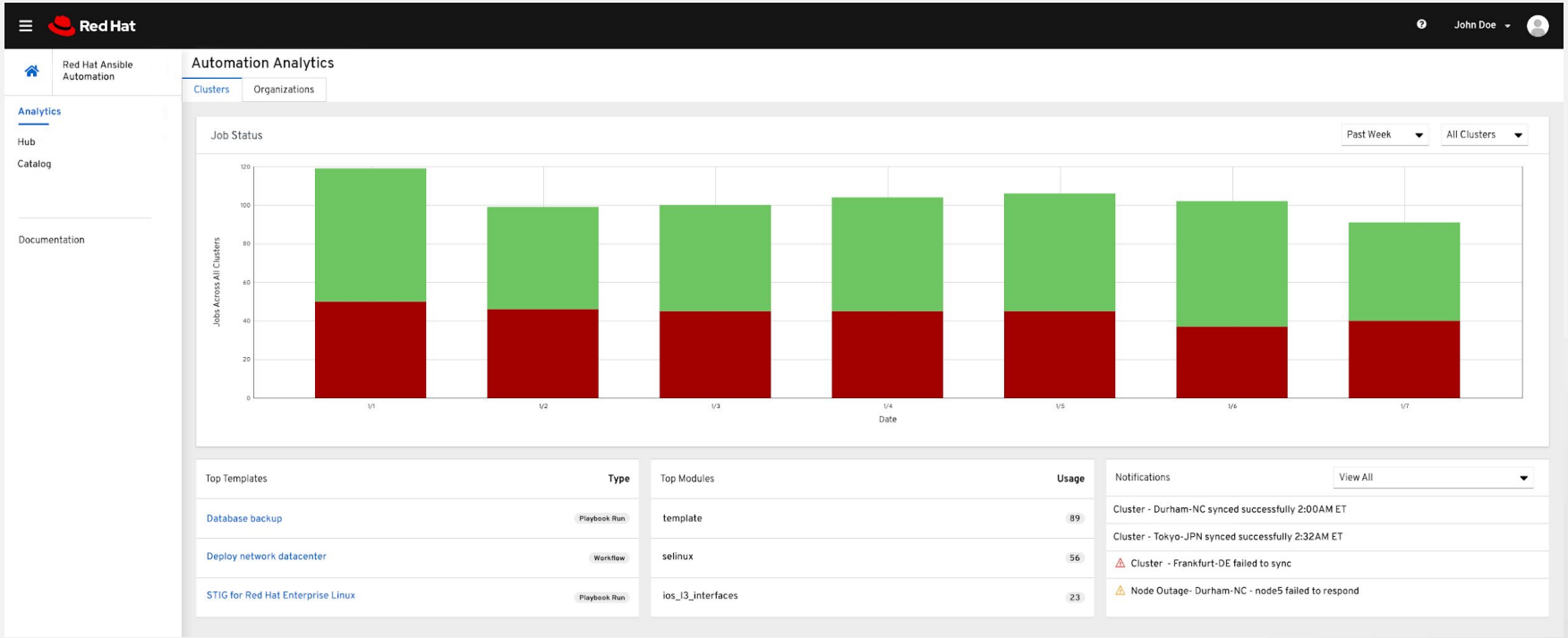
Analytics Dashboard

Information across all clusters for an enterprise:

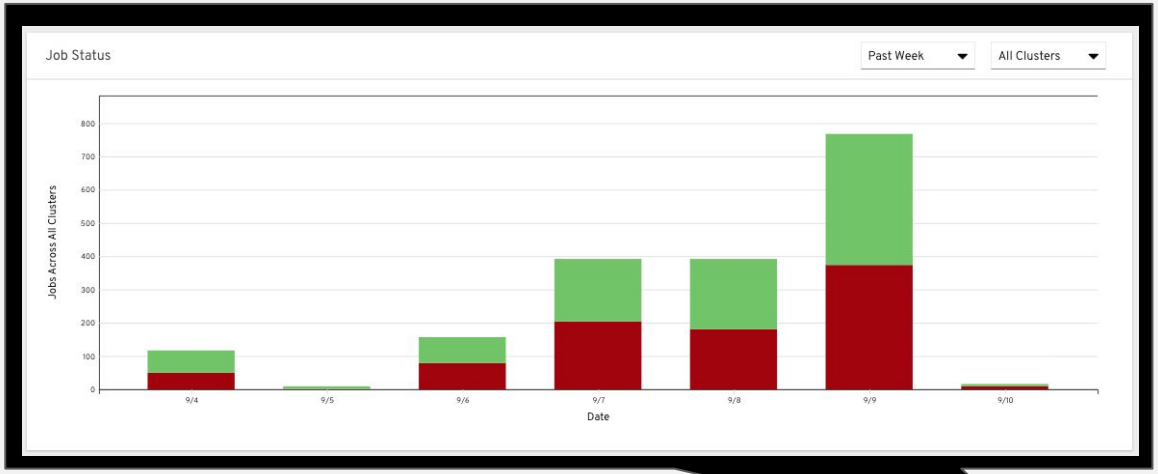
- Job Status graph
- Top Job Templates
- Top Modules
- Notifications



Analytics Dashboard

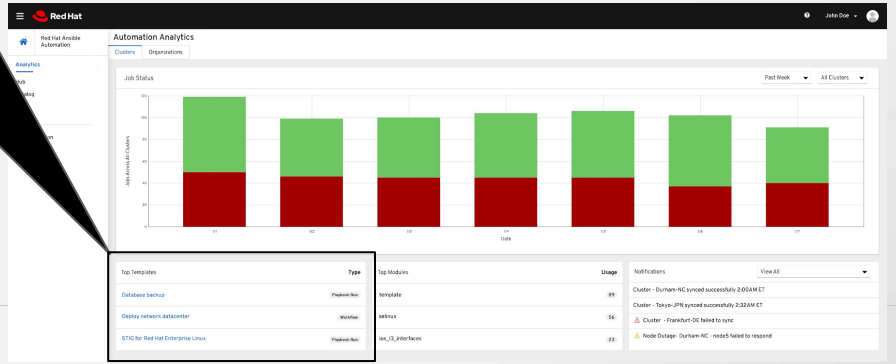


Job Status over time



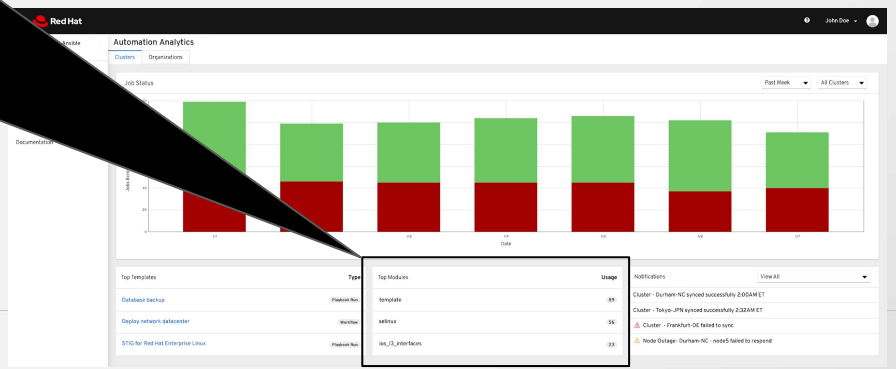
Top Job Templates

Top Templates	Usage
deploy_application	1948
verify_database	422
verify_network	422
verify_cloud_deployment	422
deploy_acl	94



Top Modules

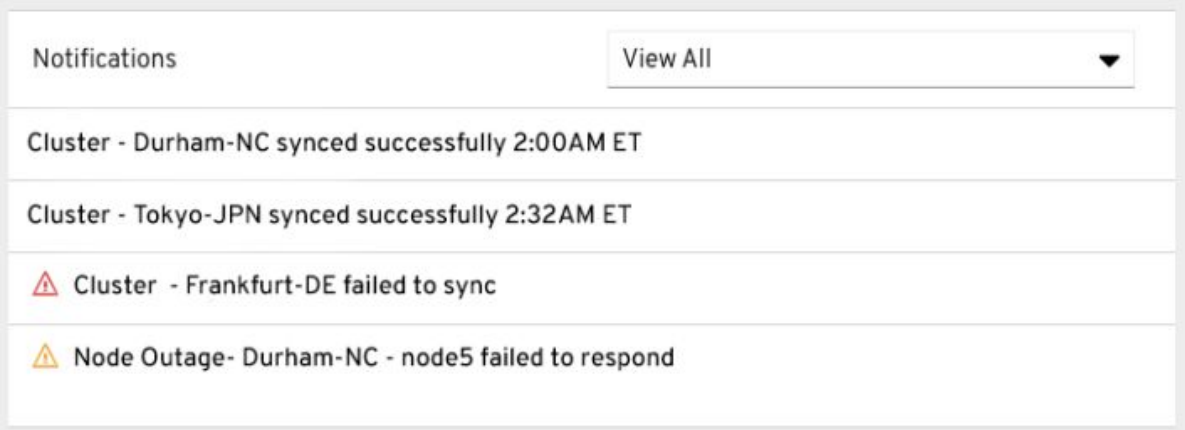
Top Modules	Usage
config	16968
ios_config	13954
ec2_group	12848
na_ontap_net_vlan	602
file	497



Health Notifications

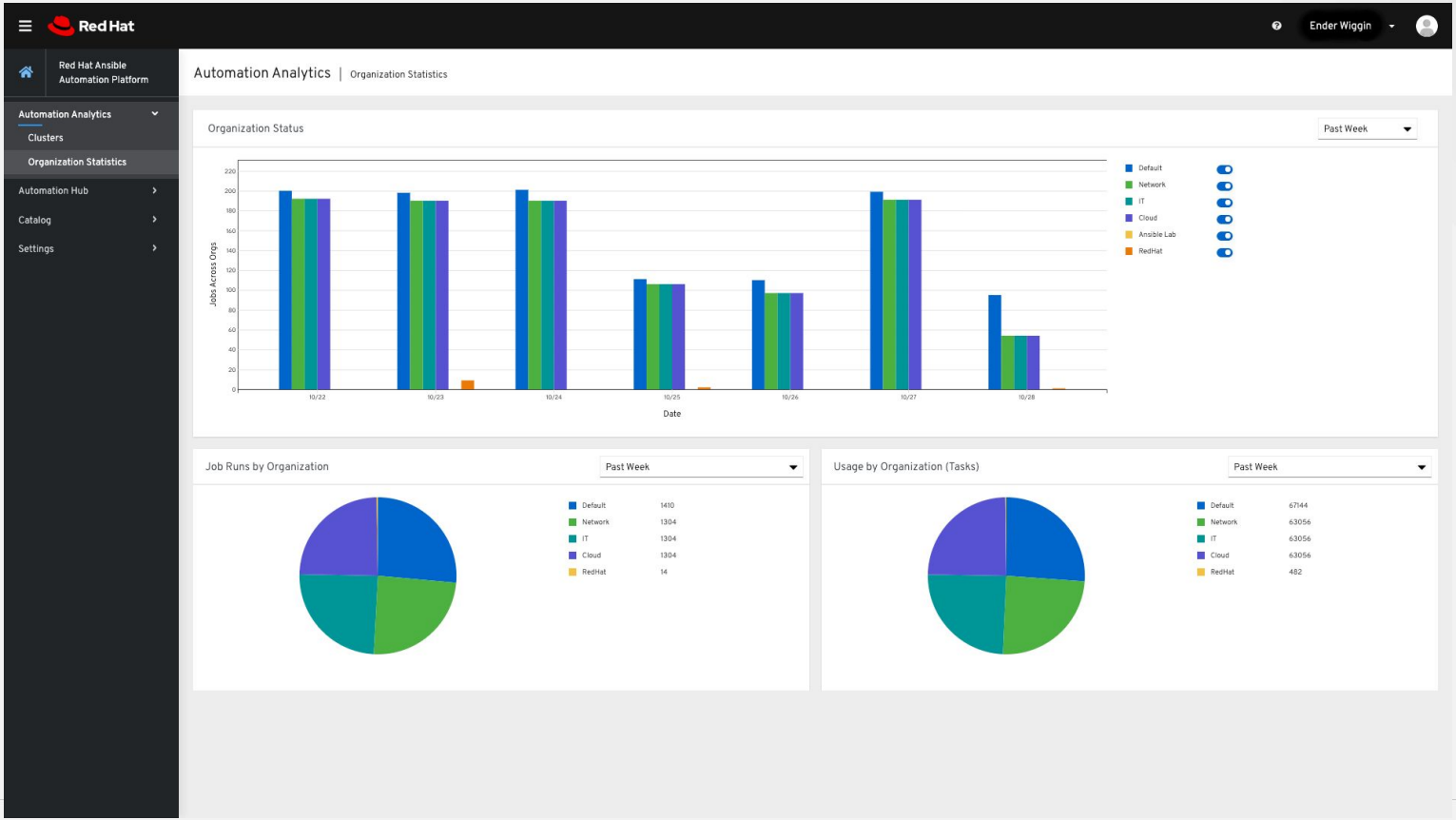
Health Notifications

- Cluster is down
- Node (within cluster) is down
- Last time data was updated
- Near license count



Organizational Statistics

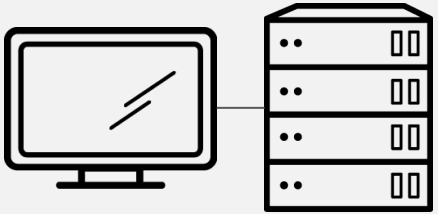
Organizational Statistics



Dashboard Comparison

Ansible Tower

- Recent Job Templates
- No Module data
- One Cluster



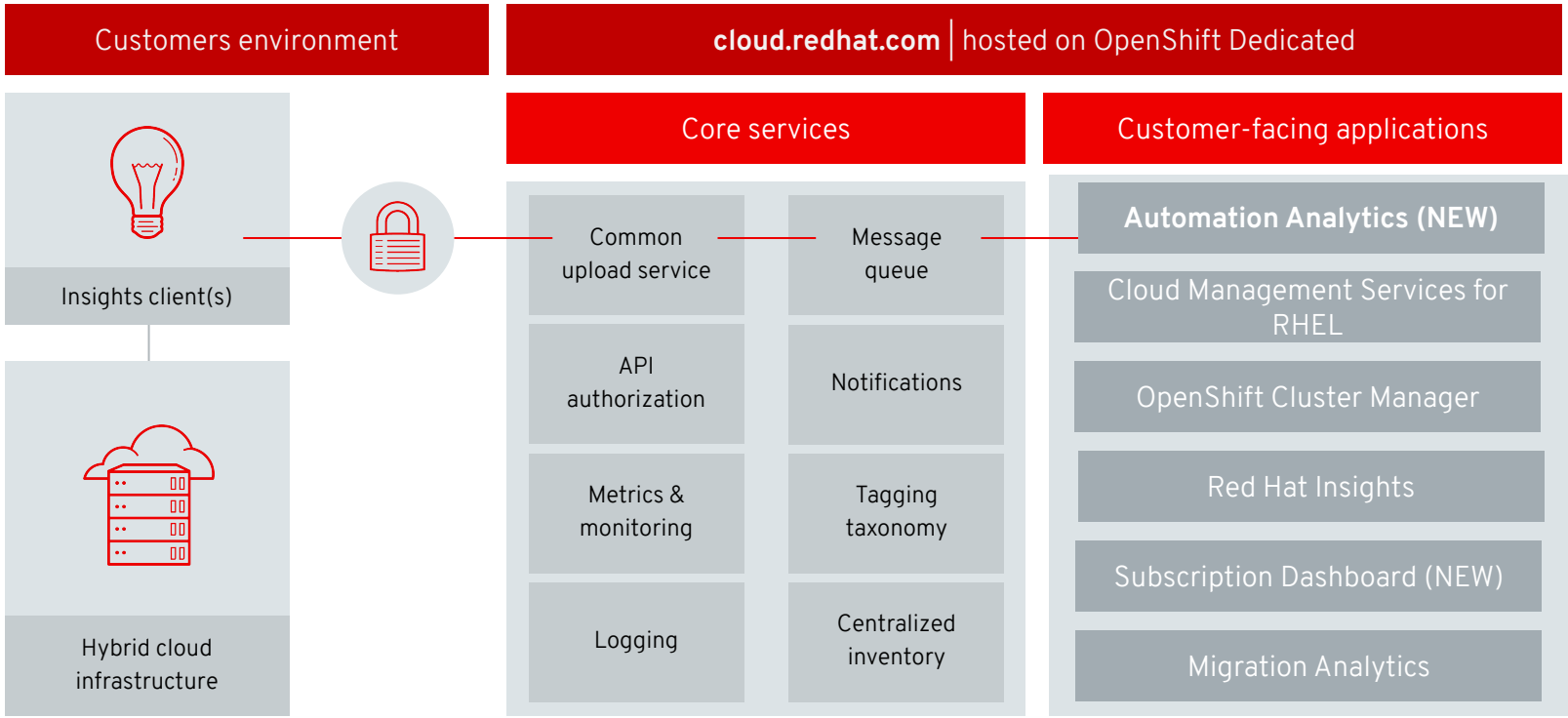
Automation Analytics

- Top Job Templates
- Top Modules
- All Clusters
- Filter by Cluster

Hey, this reminds me of Red Hat Insights!

Red Hat Insights:	Automation Analytics:	What's the same:
Included with your Red Hat Enterprise Linux subscription	Included with your Ansible Automation Platform subscription	Powered by the cloud.redhat.com dashboard
Calls on the Red Hat CEE database of previously filed Help tickets	View-only mode of your automation estate	Notifications appear in a similar fashion
Proactively find issues in your RHEL systems, suggests solutions	Optimize the automation services you're already providing, not looking at other companies' services	

Automation Analytics Architecture



Red Hat

Four things you should know about data collection in Automation Analytics

Customers control what data is sent

Content sent is not yet configurable, but customers can perform a collection that is not sent to Red Hat to review your data that would be sent in advance

All Information is encrypted!

Encryption happens from the time collected on the client server to transmission to the Automation Analytics service. Each customer's data is encrypted with a different key.

No customer identifying information is collected.

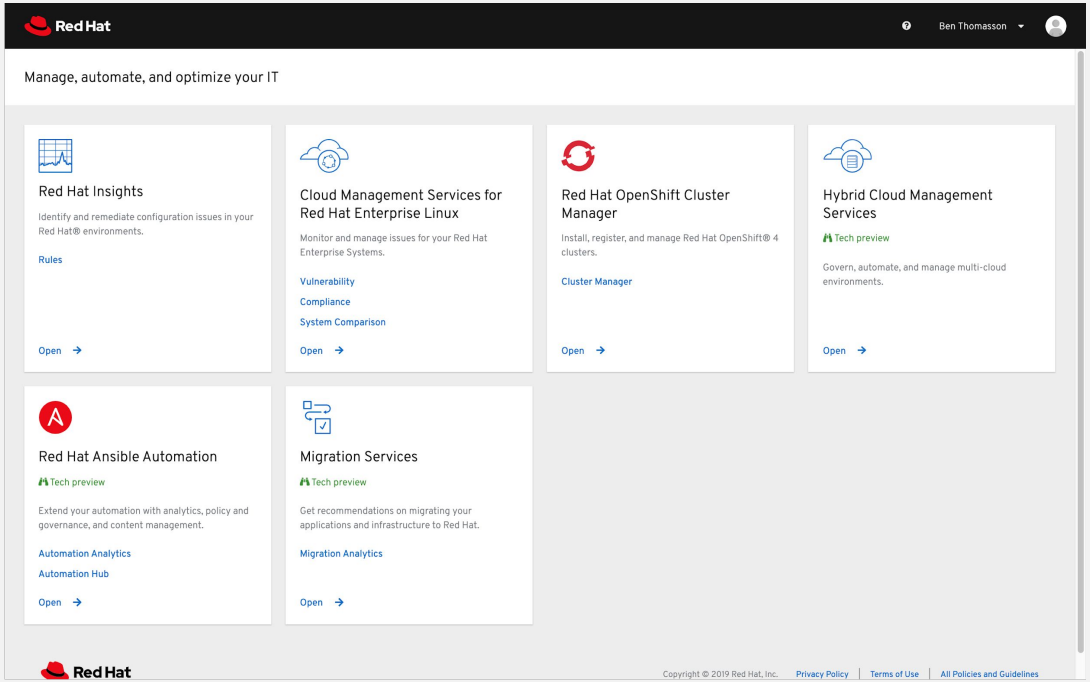
We don't collect task details, user information, or any secrets

How long do we keep your data?

In order to provide a long-term comparison/ history of your automation, Red Hat keeps a processed form of the data you send us for up to a year

How do I enable it?

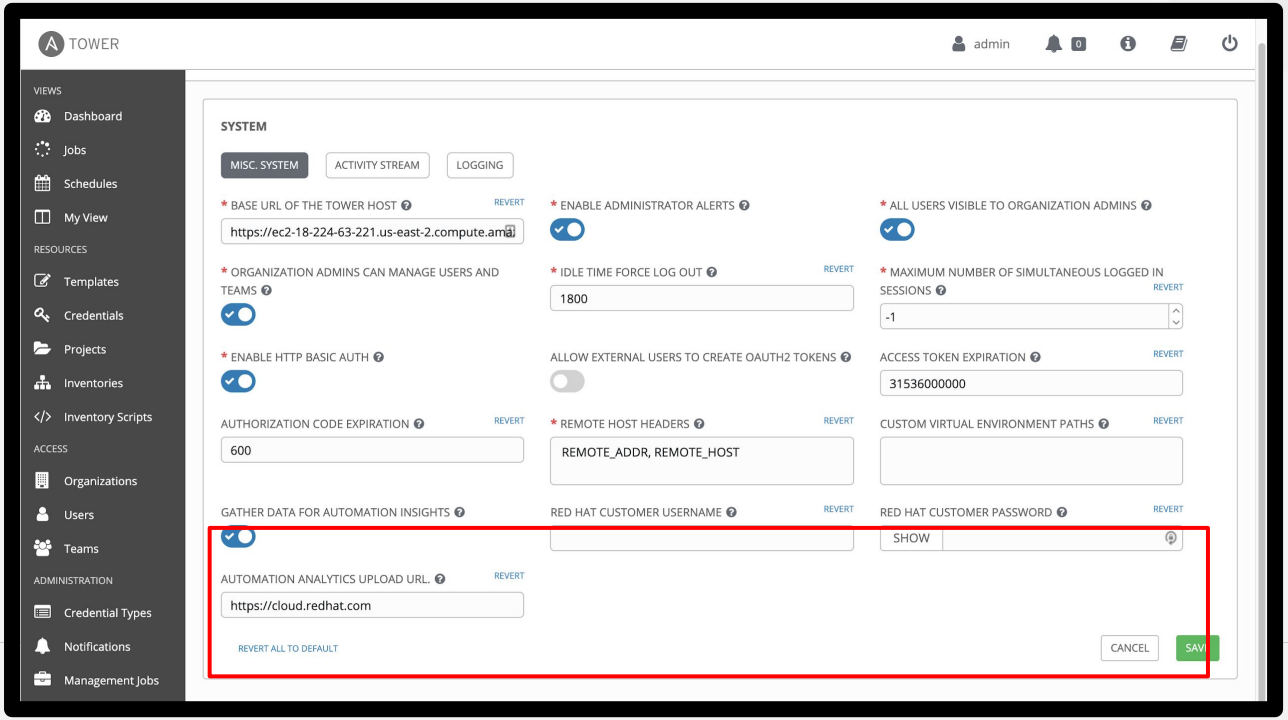
New platform features accessible through cloud.redhat.com



Automation Analytics

How do I enable it?

Opt-In under Setting-> System for each Ansible Tower cluster



Automation Analytics

When can I get it?

- Available 11/14/2019 to all Red Hat Ansible Automation customers (active subscription holders)
- Must have active subscription for Red Hat Ansible Automation
- Opt-In under Setting-> System for each Ansible Tower cluster

FAQ

Does automation analytics cost extra? Is this an add-on?
No, free and unlimited use of Automation Analytics is included in your Red Hat Ansible Automation subscription.

How do I turn this feature off if I don't want it?
Automation Analytics is not enabled by default. Customers must opt-in to enable their Ansible Tower cluster to send data to cloud.redhat.com

Will automation analytics work with AWX?
No, AWX is the upstream open source project for Ansible Tower. AWX does not work with cloud.redhat.com

What's Red Hat going to do with my data? Where will they keep it?
Meta-data from your Tower clusters are uploaded to cloud.redhat.com, processed, encrypted, and stored securely and separately for each enterprise.

Questions?

ANSIBLE AUTOMATES

THANK YOU

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