

# Insights Issue Remediation with Ansible Tower and Satellite

Taking advantage of automated remediations  
Partner Tech Day - Summer 2020

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A **new virtual** technical enablement series that provides the latest in the Red Hat product strategy and enablement on the newest features to our technical field associates



Red Hat

# Tech Ready

October & November 2020

- Integrated into the Red Hat OPEN training system
- More communications to come...



Hear the latest from Red Hat Business Unit and Engineering leaders on our product strategies and roadmaps



Gain hands-on experience with new product features through deep dive demos and labs



Session content dropped weekly on Monday's from October 19 through November 19



SmartPage on Red Hat Partner Content Hub for more information (Coming Soon)

# Agenda

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- ▶ Red Hat Insights
- ▶ Insights and Ansible Tower
- ▶ Insights and Satellite
- ▶ Compliance Mechanisms within Insights and Satellite (OpenSCAP)
- ▶ Resources



**PREDICT RISK. GET GUIDANCE. STAY SECURE.**

**PREDICTIVE I.T. ANALYTICS**

**AUTOMATED EXPERT ASSESSMENT**

**SIMPLE REMEDIATION**

# New and improved Red Hat Insights

Still included with Red Hat Enterprise Linux subscription, now with more value.

New and expanded services provide additional security and operational efficiency

To better manage infrastructure sprawl, reduce risk, and support stretched IT personnel

\*Active subscriptions versions 6.4 & higher



# Red Hat Insights adoption is on the rise

## A look at Red Hat Insights growth



Increase in active Insights clients, from January, 2019 to March, 2020

Systems under management with Insights number in the hundreds of thousands.

### Recommendations growth

**600** Recommendations at Summit 2019

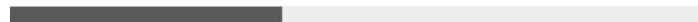


**1090** Recommendations in 2020



### RHEL evaluations a day

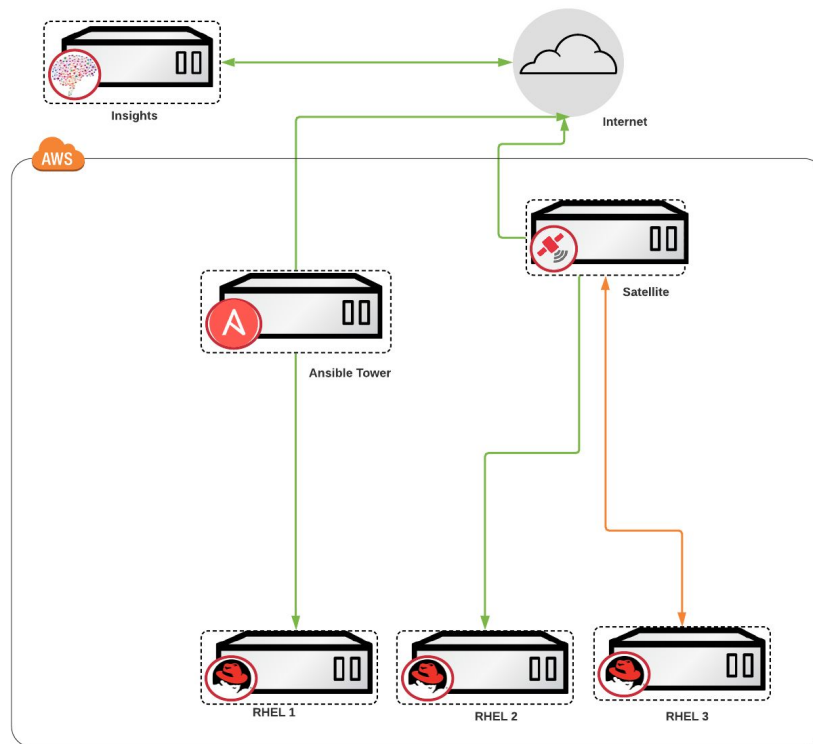
**164k** evaluations at Summit 2019



**380k** evaluations today



# Scenario Environment



# Insights and Ansible Tower





# INSIGHTS AND ANSIBLE TOWER INTEGRATION

Connect Insights to Tower through projects and templates for automatic reporting and remediation



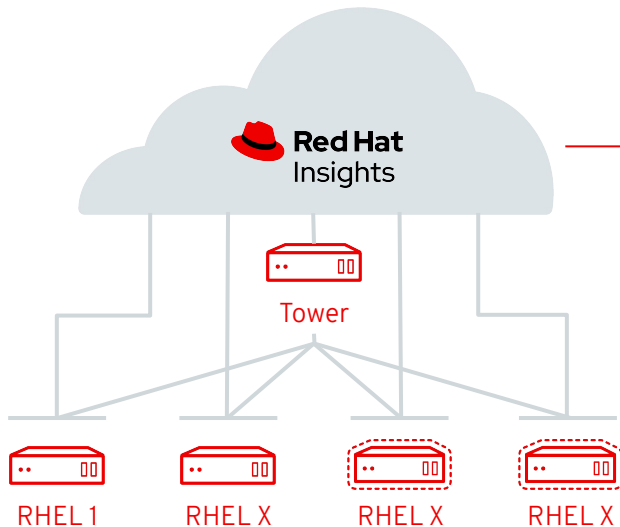
**Red Hat Insights can easily be integrated with Red Hat Ansible® Tower.**

## **Single steps to integrate**

1. Create Insights Credentials
2. Insights scan (link Tower & Insights)
3. Planner sync
4. Remediate

# Ansible Tower + Insights Architecture

## Products Entitled



- Hosts are directly connected to cloud.redhat.com
- User creates playbook through Ansible Tower
- Playbook is run by Ansible Tower

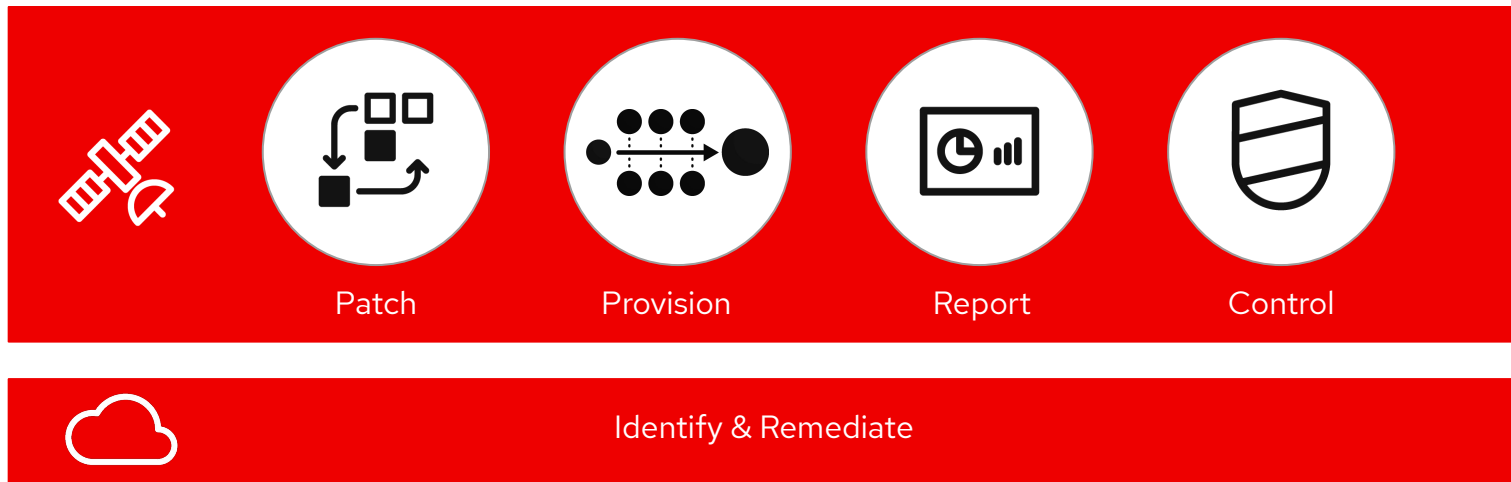
# Insights and Satellite

# Smart Management for Red Hat Enterprise Linux

Combine the powerful infrastructure capabilities of Red Hat Satellite with the simplicity of cloud management

Improve operational efficiency by 28%\*

Overcome scale, skill, and security gaps



\*Source: [Satellite IDC Business Value Whitepaper](#)

# Satellite 6.7 Improvements

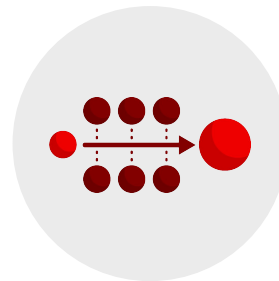
New and improved integrations as well as security and content management enhancements



Integrations



Security



Content Management

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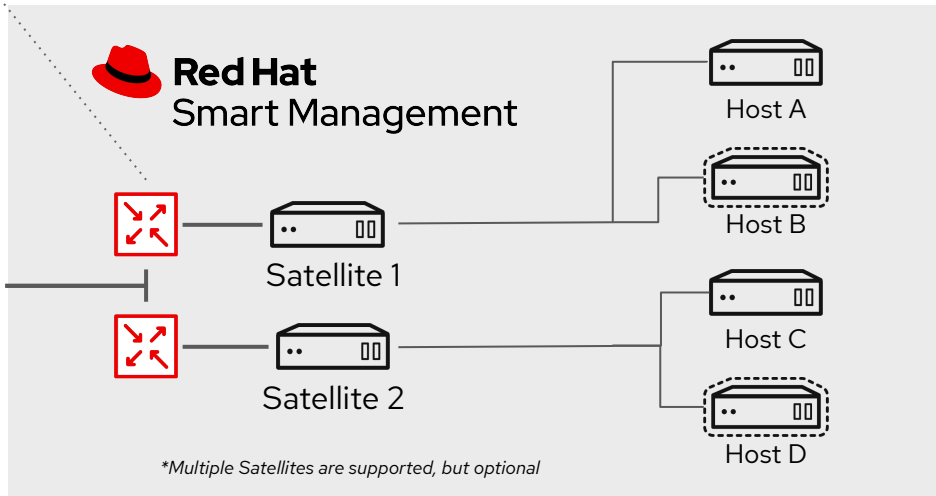
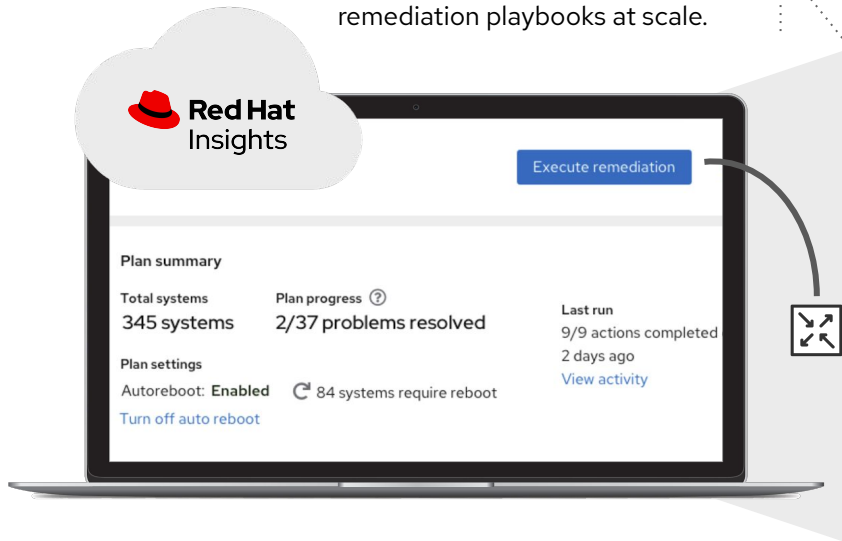
Red Hat Satellite and Satellite Capsule Servers must be installed on a Red Hat Enterprise Linux® 7 Host

# Introducing Cloud Connector

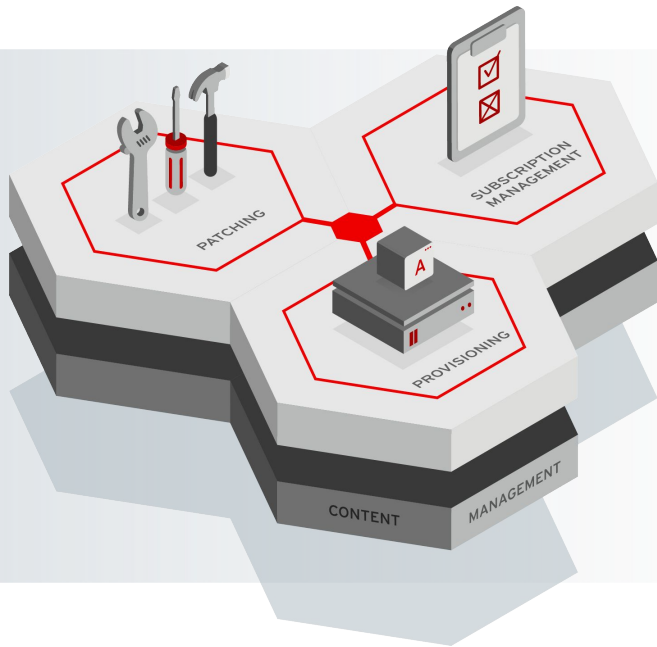
Smart Management subscription enables push-button remediation of issues identified by Insights.

## Cloud Connector

Connects your federated Satellite infrastructure to Insights to execute remediation playbooks at scale.



# Additional Satellite Capabilities



**Configuration Management** using Ansible



**Automation** through integration with Ansible Tower



**Compliance** using OpenSCAP policies

# Compliance with Insights and Satellite; remediation through Ansible



Approximately

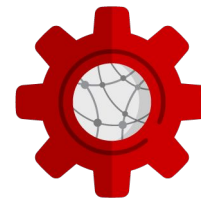
58%

Personal data was involved in  
58% of breaches



Top 5

Misconfiguration accounted for  
top 5 of threat action varieties



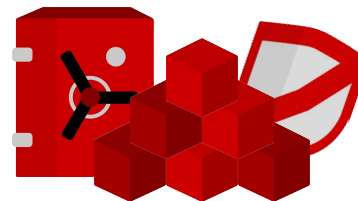
**Most exploited vulnerabilities are already known.**

# Compliance management adds complexity



## Regulatory and industry standards

- National Institute of Standards and Technology (NIST)
- National Cybersecurity Agency of France (ANSSI)
- Health Insurance Portability and Accountability Act (HIPAA)
- Federal Risk and Authorization Management Program (FedRAMP) and more



## Compliance and security artifacts creation

- System security plans
- Security compliance audit documentation
- Gap analysis reports
- Audit and remediation baselines

# Security automation with OpenSCAP

Red Hat's security scanner is included with Red Hat Enterprise Linux and Red Hat Satellite



## Validated and certified tool

National Institute of Standards and Technology (NIST) certified Security Content Automation Protocol (SCAP) scanner with National Checklist content

## System and container scanning

Known vulnerability and security policy compliance scanning

## Automation support

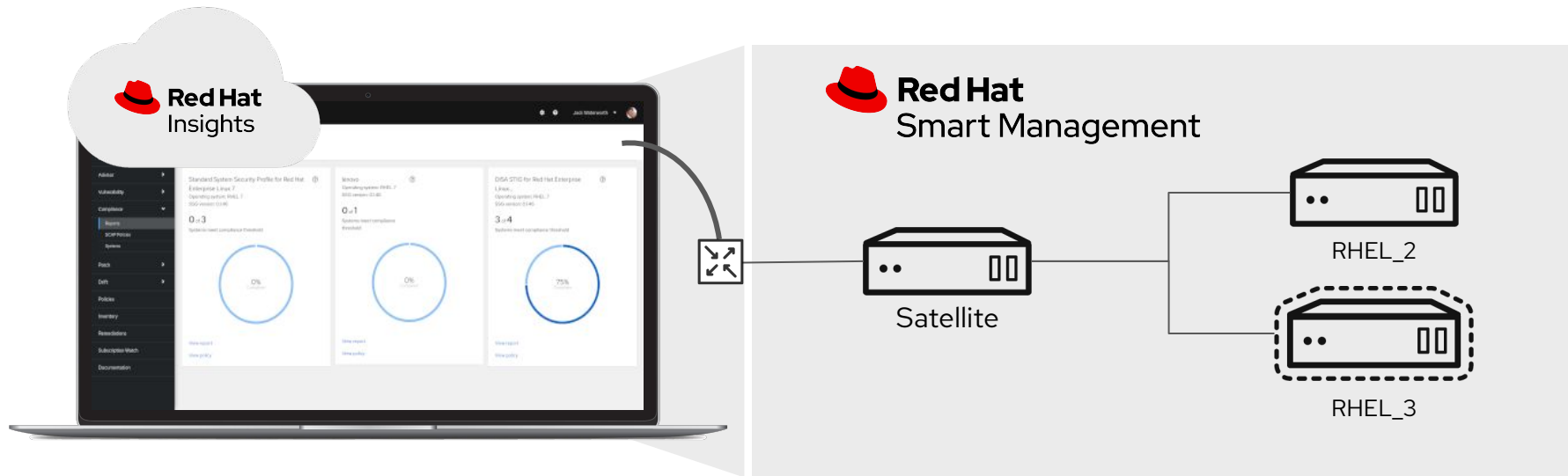
Red Hat® Ansible® Automation remediation Playbooks provided and supported by Red Hat

## Customizable content

Content customization through SCAP Workbench graphical interface

# Satellite, Insights and Ansible

Scan for OpenSCAP issues from Satellite and Insights, then remediate with Ansible.



## Closing Remarks



### Don't delay

This is just the beginning - learn more by checking out all of our security and compliance materials online



### Be Proactive

Make security and compliance part of your conversations and discuss them as part of your a customer RHEL strategy.



### Stay engaged

Raise your concerns with us , utilize our resources, and reach out to the product team with any questions.



### Upcoming Announcements

Watch for announcements of new assets around security and compliance that you can use in the field.



# Resources

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GitHub - Partner Tech Day

<https://github.com/redhat-partner-tech/partner-tech-days-sept2020>

AnsibleFest (Oct 13-14, 2020)

<https://www.ansible.com/ansiblefest>

RedHat Tech Ready

Stay Tuned!

# Survey

**THANK YOU for attending!**

- Please complete the survey to be entered into a raffle to receive a limited amount of \$25 eGift Cards
- Link [here](#)

# Thank you

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