Ask Me Anything Webinar
New Policies Capability in Insights

Deep dive demo and questions

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What we will discuss today

About Me

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Drift and Policies

- How Policies service as part of Red Hat Insights helps you become more efficient
- Live demonstration - Policies for identifying misaligned configurations
- Q&A
DISCLAIMER

The content set forth herein does not constitute in any way a binding or legal agreement or impose any legal obligation or duty on Red Hat. This information is provided for discussion purposes only and is subject to change.
What is Red Hat Insights?

Assesses your Red Hat Enterprise Linux environment to help you identify and remediate threats, avoiding outages, unplanned downtime and risks to security and compliance.
New and improved Red Hat Insights
Included with all Red Hat Enterprise Linux subscriptions

New and expanded services support
Operational efficiency
Vulnerability and compliance risk management

*Active RHEL subscriptions versions 6.4 & higher
Overview of Red Hat Insights services

- **Advisor**
  Availability, performance, stability, and security risk analysis

- **Vulnerability**
  Assess Common Vulnerabilities and Exposures (CVEs) with advisories

- **Compliance**
  Assess and monitor compliance, built on OpenSCAP

- **Subscriptions**
  Track progress of your Red Hat subscription usage efficiently and confidently

- **Drift**
  Create baselines and compare system profiles

- **Policies**
  Define and monitor against your own policies to identify misalignment

- **Patch**
  Analyze for Red Hat product advisory applicability to stay up to date
Policies

Identify RHEL configuration misalignment

Define **Policies** to meet your custom needs, by evaluating conditions on RHEL configuration.

Continuously **analyze** environment configurations and spot misaligned systems.

**Trigger** alerts/notifications and/or actions on policy breach.

Get on-demand **reports** as CSV/JSON exports or by querying the REST API.

Create your own policies to suit your organization's specific requirements.
A day in the life of a System Admin

Stay productive in managing day-to-day operations

- Which of our systems are not in-line with our configuration standard?
- Are all mandatory packages and services installed and running on our environments?
- Which of our systems have an altered configuration?
- Were all systems patched correctly?

Use analytics & automation rather than time-consuming manual troubleshooting
Insights Demo
Demonstration script

Basic functionalities:
- cloud.redhat.com Glance at Dashboard and see previously mentioned services
- Navigate to Policies
- Check existing policy (have 2 or 3 policies).
- Create a policy from scratch
  - Conditions:
    - Check that User Preferences are set for 'Instant Notifications' & 'Daily Summary'
- Run insight-client on rhel8desktop
- Check email for Instant Notifications
- Navigate back to Policies from email URL
- Check trigger history for the policy and validate rhel8desktop is in the list
- Check email for Daily Summary (from yesterday)

Possibly:
- Advanced conditions like:
  - Facts.fqdn in conditions to filter policy on hostname(s)
  - Tags. in conditions to filter policy on group of hosts (based on tags)

Advanced functionalities (Scratchpad):
- Show example to read Policies using Policies CRUD API
- Show example to bulk upload Policies using Policies CRUD API
- Show example of getting triggered history report using Policies CRUD API
Future: Insights Policies capabilities

- System tags as part of Conditions definition
- Assign tags to system as part of Policy actions
- Integration with new Insights services:
  - Integrations: third-party applications (webhooks, Slack, ServiceNow, etc)
  - Notifications: user alerting (Notifications drawer, emails, Integrations)

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Register your systems with Red Hat Insights

The Insights registration assistant will guide you through the setup process for the Red Hat Insights Client. You will be prompted with a series of questions about your environment to provide you with setup instructions tailored for your environment.

Step 1: Tell us about your systems

How are the systems managed?
- Red Hat Subscription Manager
- Red Hat Satellite
- Public cloud/RHUI

Operating System
- RHEL 8
- RHEL 7 & 6

Note: Red Hat Insights can be used on all Red Hat-supported versions of Red Hat Enterprise Linux, version 6.4 and later.

Do you wish to use automation for installation?
- Ansible
- Puppet
- No

Note: You can automate the installation and registration of systems with Ansible, included with your Red Hat Enterprise Linux entitlement.

Step 2: Download the insights-client playbook

Download playbook

Step 3: Install and configure your playbook

Register with RHSM

You must register all Red Hat Enterprise Linux (RHEL) systems with Red Hat Subscription Manager to receive necessary updates and to resolve software dependencies.

Note: If the system cannot be subscribed to RHSM, basic authentication can be configured on the client.

If you have a web-based proxy between your system and the Internet, you can configure the insights-client to connect through it. For more information, refer to How to access Red Hat Insights through a firewall/Proxy.

Data collection & controls Learn more

Setup and Configure

Assess the compliance of your RHEL systems using Policies Learn more

Detect and be notified of system configuration changes using Custom Policies Learn more

Red Hat Smart Management
Red Hat Insights

Additional resources and next steps

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Enable Red Hat Insights and give Policies a try
You have Red Hat Insights at no additional cost:
red.ht/insights_start

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Learn more in the documentation
Select “Policies”
bit.ly/insights_docs

▸ Watch the intro video.

▸ Read the Insights blog.
Upcoming Red Hat Insights Ask Me Anything webinars:
Best Practices for Getting Started with Insights

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Invite your colleagues: upcoming overview webinar on Operational Efficiency with Insights on Sept 9th
Presenter: Rob Williams, Product Manager
bit.ly/insights_september

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Register for upcoming Ask Me Anything webinar
Best Practices for Getting Started with Insights on Sept 24th
Presenter: Rob Williams, Product Manager
bit.ly/insights_practices

AnsibleFest: October 13 - 14, 2020: ansible.com/fest
Thank you

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