redhat.

Red Hat Insights

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MEDICAL CHECK

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CAR MAINTENANCE

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COMPUTER - MEDICAL CHECK

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RED HAT INSIGHTS

What?

Knowledge base solution dedicated to RHEL, proactive, integrated with Ansible, Patching could be automated via Ansible

When?

Customer has RHEL & needs proactive analysis & advice

Helps to predict problems with:

- Performance
- Security
- Stability
- Availability

INSIGHTS

PREVENT CRITICAL ISSUES BEFORE THEY OCCUR

Continuous Insights
Verified Knowledge
Proactive Resolution

RED HAT INSIGHTS – YOUR RHEL’s DOCTOR

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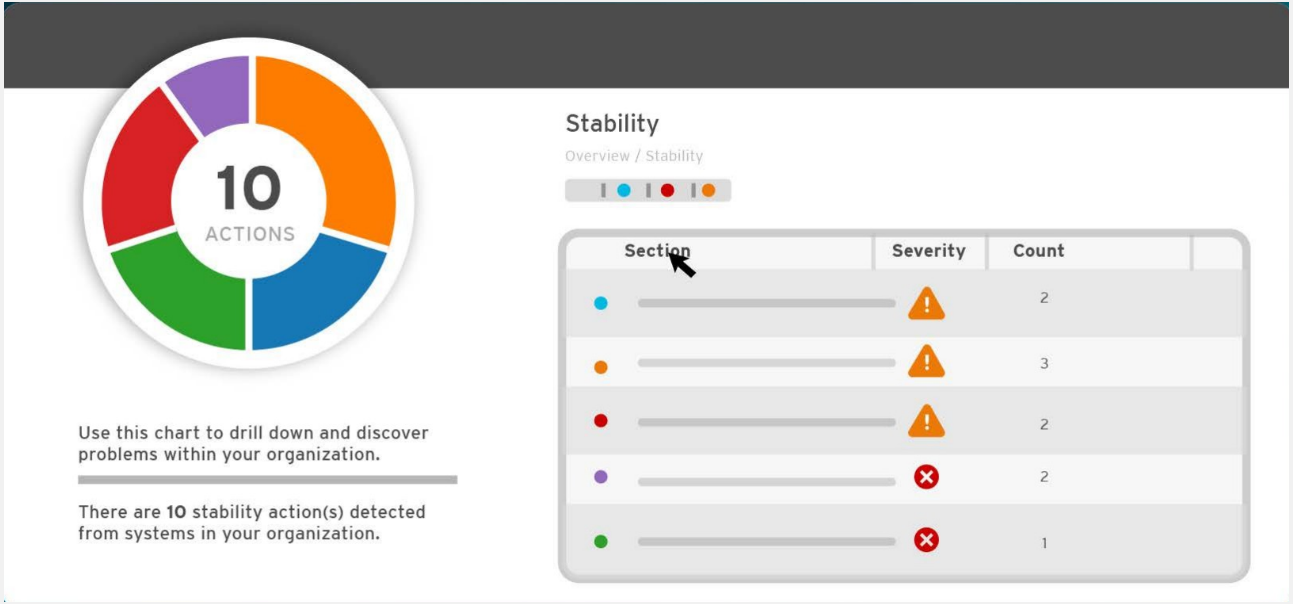
RED HAT INSIGHTS

Red Hat Insights is a modern infrastructure management service that enables you to proactively identify, prioritize, and resolve configuration risks across your IT environment before they impact business operations.



Use this chart to drill down and discover problems within your organization.

There are **10** stability action(s) detected from systems in your organization.

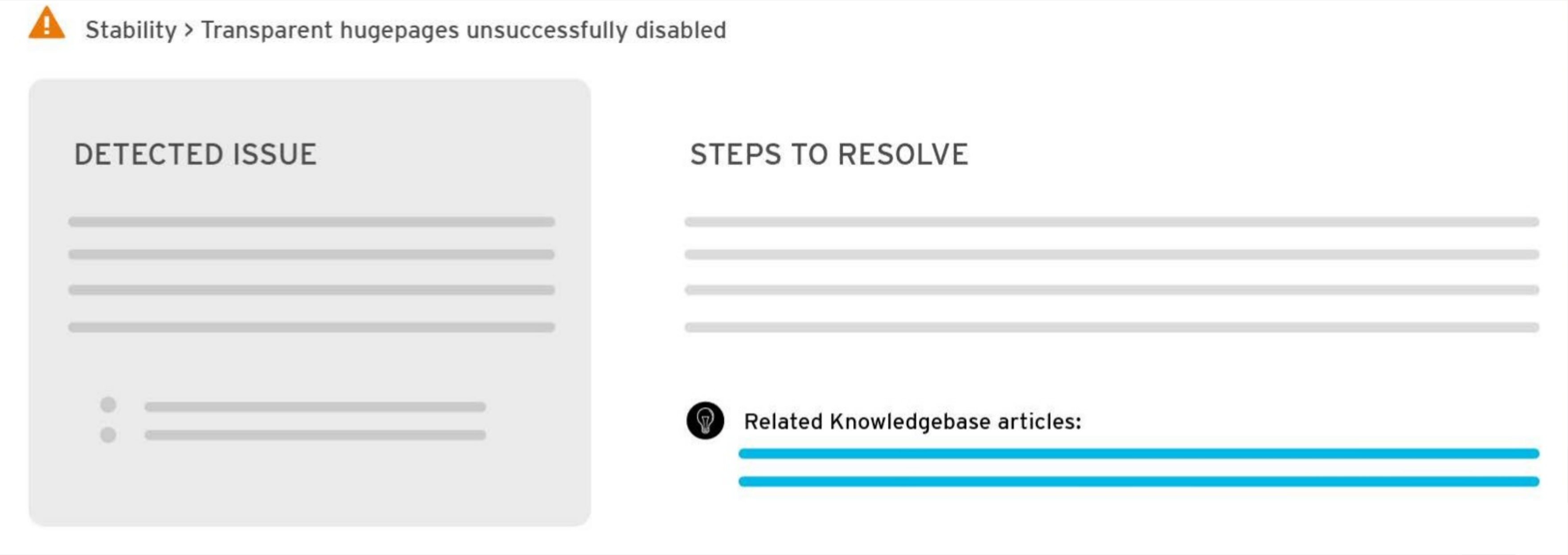
Stability

Overview / Stability

Section	Severity	Count
●	⚠	2
●	⚠	3
●	⚠	2
●	⊗	2
●	⊗	1

ACTIONABLE INTELLIGENCE

Red Hat Insights delivers **verified** resolutions steps and support resources to help you respond to immediate issues and prevent future issues.



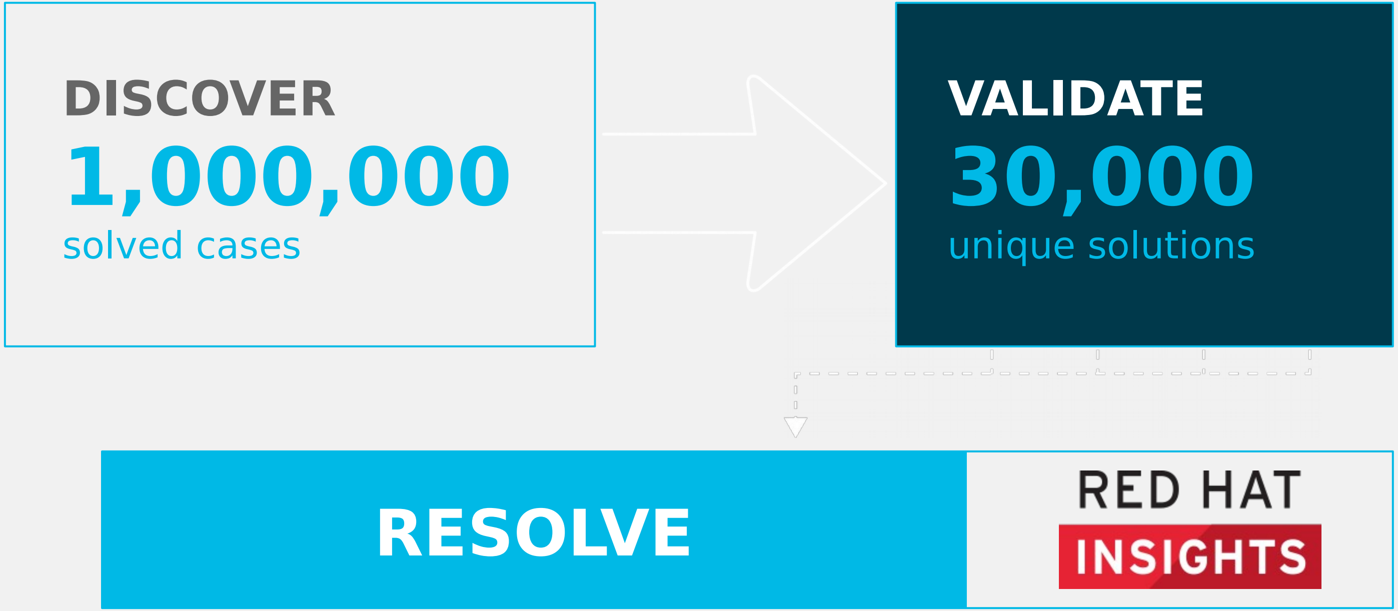
⚠ Stability > Transparent hugepages unsuccessfully disabled

DETECTED ISSUE

STEPS TO RESOLVE

Related Knowledgebase articles:

ADVICE YOU CAN TRUST



DISCOVER

1,000,000

solved cases

VALIDATE

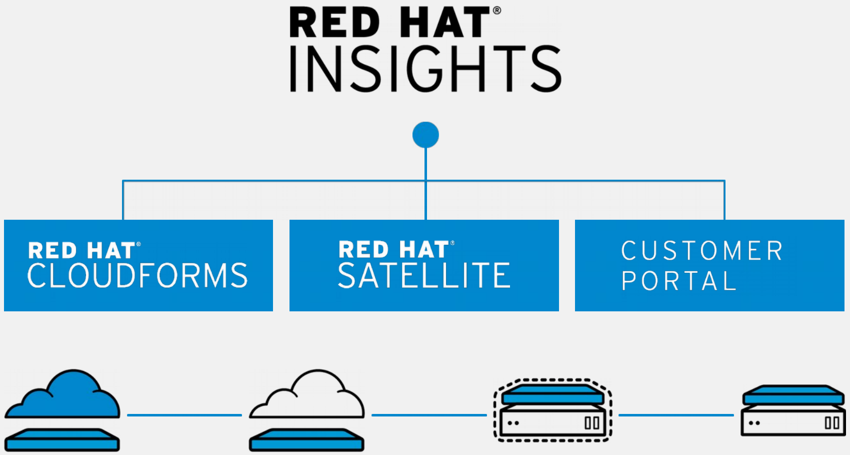
30,000

unique solutions

RESOLVE

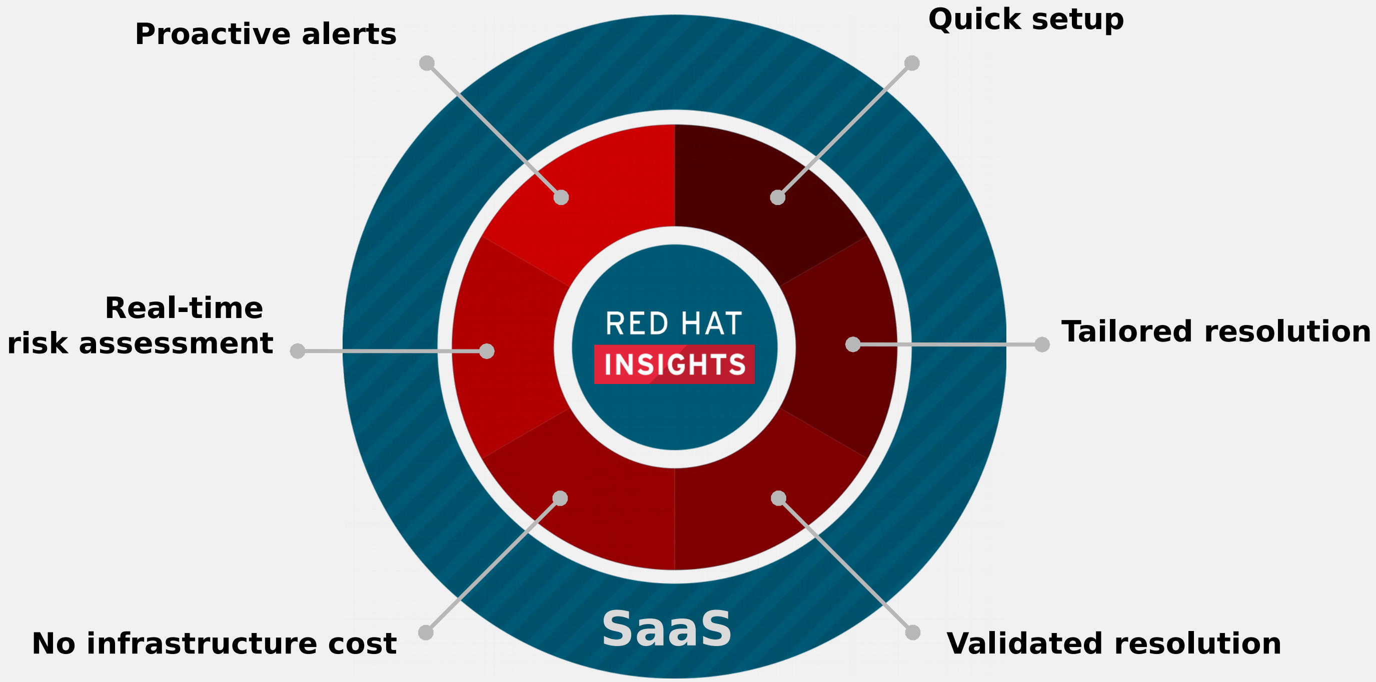
RED HAT INSIGHTS

INTEGRATED INTO TOOLS YOU ALREADY USE



- Works on physical, virtual, cloud, and container-based workloads
- No new infrastructure to manage
- Integrated into Satellite 5.7, 6.1+, CloudForms 4.0+, and Red Hat Customer Portal
- API available for custom integration
- Ansible Tower integration enables playbooks generated in Red Hat Insights to be automatically imported into Ansible Tower

BENEFITS



Proactive alerts

Quick setup

Real-time risk assessment

Tailored resolution

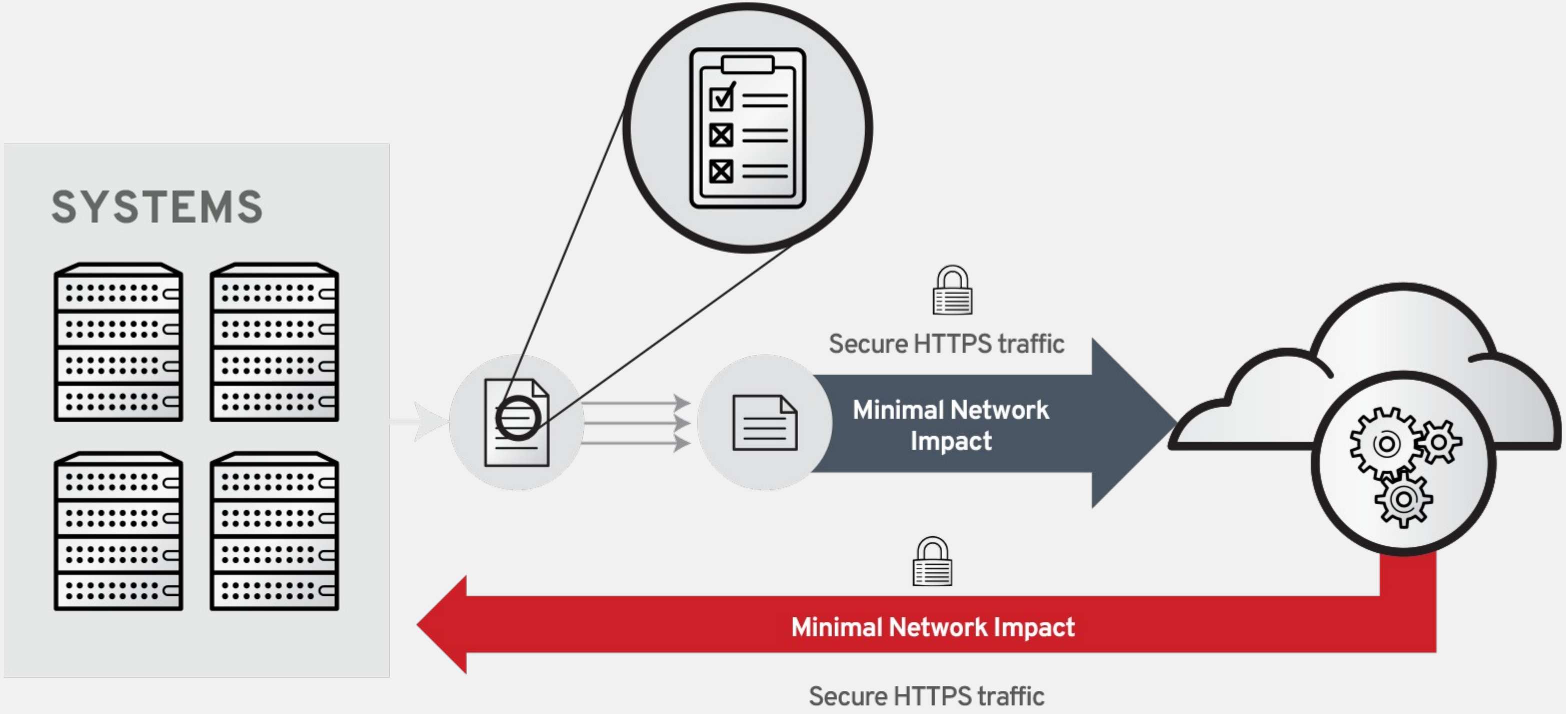
No infrastructure cost

Validated resolution

RED HAT INSIGHTS

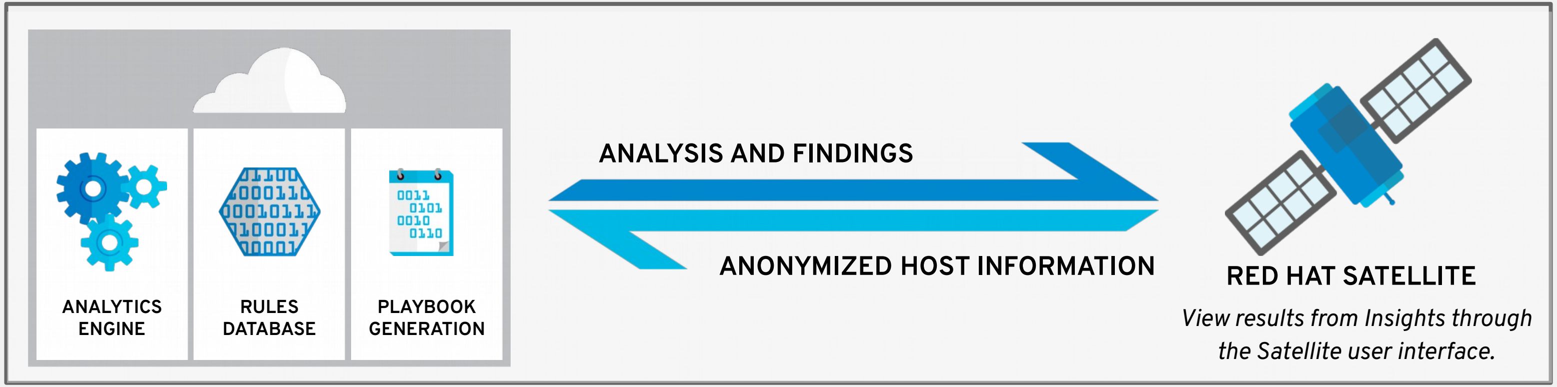
SaaS

DAILY RISK ASSESSMENT



WHY USE INSIGHTS WITH SATELLITE?

Stop reacting to problems once they occur. Predict & fix them now.



ANALYTICS ENGINE

RULES DATABASE

PLAYBOOK GENERATION

ANALYSIS AND FINDINGS

ANONYMIZED HOST INFORMATION

RED HAT SATELLITE

View results from Insights through the Satellite user interface.

ACTIONABLE INTELLIGENCE POWERED BY RED HAT

Confidently scale complex environments.

CONTINUOUS VULNERABILITY ALERTS

Maximize uptime and avoid fire-fighting.

INCREASED VISIBILITY TO SECURITY RISKS

Get ahead of security risks and fix them before it's a problem.

AUTOMATED REMEDIATION

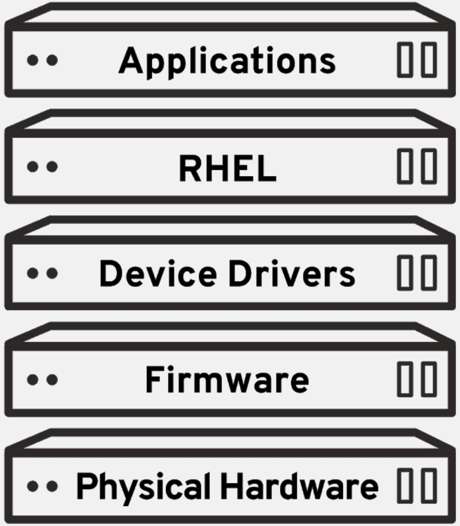
Minimize human error, do more with less, and fix things faster.

SATELLITE + INSIGHTS CAPABILITIES

Getting more from the purchase of Smart Management

CATEGORIES	CAPABILITIES	SATELLITE	INSIGHTS
Red Hat subscription management	Subscription knowledge and control	✓	
Provisioning	Bare-metal, VM, & cloud	✓	
	System discovery	✓	
Security & compliance	Automated remediation		✓
	Predictive IT analytics		✓
	Risk assessment		✓
	SCAP operations	✓	
Configuration management	System configuration	✓	
	Drift management	✓	
Software management	Content repository	✓	
	Patch management	✓	

FULL STACK ANALYSIS



Applications

RHEL

Device Drivers

Firmware

Physical Hardware

splunk>
Mellanox TECHNOLOGIES
DELL
EMC2
EMULEX
hp
QUALCOMM
lenovo
SOLARFLARE
ORACLE
NEC
Myricom
Microsoft
AMD
HITACHI
Chelsio Communications Accelerate
FUJITSU
intel
CISCO
BROADCOM
vmware
IBM

HOW TO START WITH RED HAT INSIGHTS?

1. Register your system with Red Hat Subscription Manager

2. Install Red Hat Insights RPM:

   ```
   # yum install redhat-access-insights
   ```

3. Register the system to Red Hat Insights

   ```
   # redhat-access-insights --register
   ```

4. Testing

   ```
   # redhat-access-insights –test-connection
   ```

CONFIGURATION AND LOGS

Main configuration file:

/etc/redhat-access-insights/redhat-access-insights.conf

Log file:

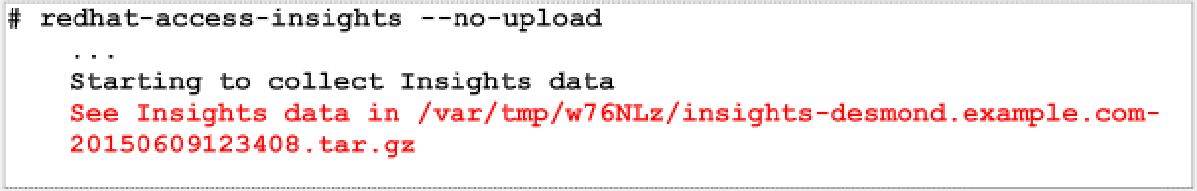
/var/log/redhat-access-insights/redhat-acces-insights.log

Blacklist file (can be created optionally)

WHAT DATA IS COLLECTED?

- Collect logs locally:

  # redhat-access-insights - -no-upload



```
# redhat-access-insights --no-upload
    ...
    Starting to collect Insights data
    See Insights data in /var/tmp/w76NLz/insights-desmond.example.com-
    20150609123408.tar.gz
```

- Collection definition:

  /etc/redhat-access-insights/.fallback.json

  DO NOT EDIT THIS FILE !!!

HOW TO BLACKLIST ITEMS?

There are two ways to blacklist items in redhat-access-insights.conf:

- Preset options (check in dictionary)

  Obfuscate IP address: obfuscate=True

  Obfuscate hostname: obfuscate_hostaname=True

- Using [remove] section

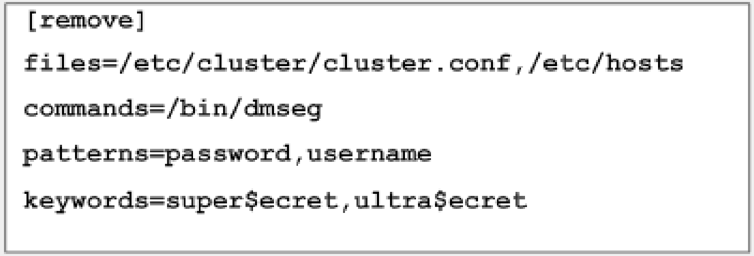
  There are four options available:

  Files

  Commands

  Patterns

  Keywords



```
[remove]
files=/etc/cluster/cluster.conf,/etc/hosts
commands=/bin/dmseg
patterns=password,username
keywords=super$ecret,ultra$ecret
```

RED HAT INSIGHTS FOR RED HAT ENTERPRISE LINUX

Red Hat Insights is delivered via the Red Hat Customer Portal and Red Hat Satellite.

Red Hat Enterprise Linux (Version 6+) subscription includes registration for up to 10 systems.
To register additional systems, please contact Red Hat sales.

To get started and register systems with Red Hat Insights, visit: access.redhat.com/getting-started.

To learn more about Red Hat Insights, visit: access.redhat.com/insights.

Thank You

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