RED HAT SUMMIT

PRESENTATION TITLE SHOULD NOT EXCEED TWO LINES

Subheading goes here

Presenter
Presenter's title
Date

RED HAT MANAGEMENT

REFERENCE CUSTOMERS

Cerner

Cox Automotive™

WHAT'S NEW?

CONTAINER ANALYSIS
OPENSTACK® SUPPORT
ANSIBLE AUTOMATION

RED HAT® INSIGHTS

PREVENT CRITICAL ISSUES BEFORE THEY OCCUR

- Automate discovery and remediation
- Verified, continuous insights
- Proactive resolution

RED HAT® SATELLITE

BUILD A TRUSTED & SECURE RED HAT ENVIRONMENT

- Manage the Red Hat lifecycle
- Provision & configure at scale
- Standardize your environment

ANSIBLE by Red Hat®

AUTOMATE YOUR I.T. PROCESSES & DEPLOYMENTS

- Simple & powerful language
- No agents to install
- Scale with Ansible Tower

RED HAT® CLOUDFORMS

DELIVER SERVICES ACROSS YOUR HYBRID CLOUD

- Hybrid cloud management
- Self-service provisioning
- Policy-driven compliance

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COMPLEXITY IS RISK

80%
Percentage of commercial application outages caused by software failure and operational complexity

Carnegie Mellon

$336 k/hr
The median cost per hour of downtime for a production application for a large enterprise
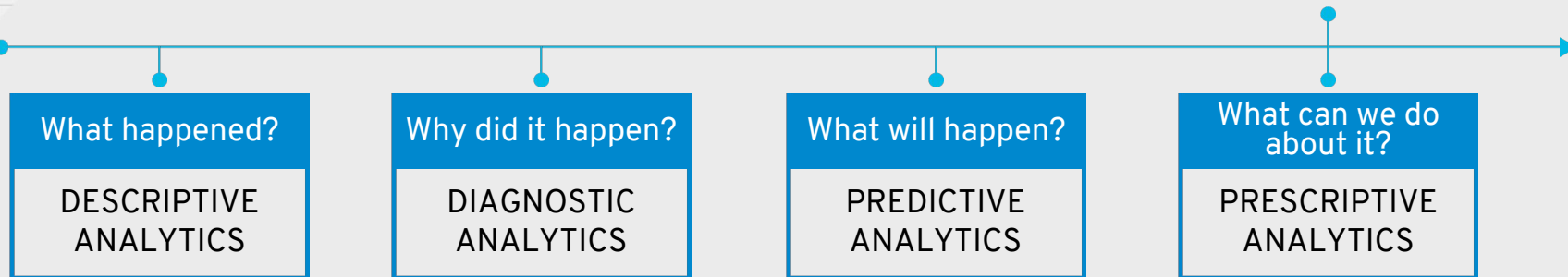
Gartner.

$15 m/yr
Mean annualized cost of cybercrime deference and remediation for large US-based corporations

Ponemon INSTITUTE

65%
of CompTIA customers thought they were significantly behind in training and capabilities needed to manage their next generation infrastructure.

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I.T. OPERATIONAL ANALYTICS (ITOA)

RED HAT® INSIGHTS

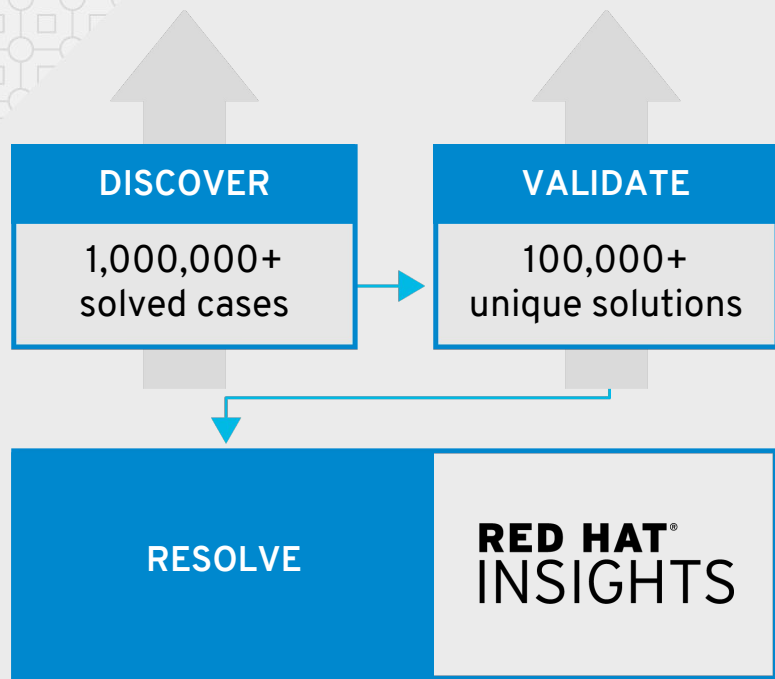| What happened?	Why did it happen?	What will happen?	What can we do about it?
DESCRIPTIVE ANALYTICS	DIAGNOSTIC ANALYTICS	PREDICTIVE ANALYTICS	PRESCRIPTIVE ANALYTICS

" *We have taken a position that, by 2018, 25% of the Global 2000 will have deployed an IT Operations Analytics platform (...) up from about 2% today.*"

— WILL CAPPELLI, *vice president & research analyst* , **Gartner**

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RED HAT INSIGHTS CAPABILITIES

PROACTIVE & CONTINUOUS ASSESSMENT

DISCOVER

1,000,000+ solved cases

VALIDATE

100,000+ unique solutions

RESOLVE

RED HAT® INSIGHTS

- Continuous identification of new risks driven by unique industry data

- Based on real-world results from millions of enterprise deployments

" 85% of critical issues raised to Red Hat® support are already known to Red Hat or our partners."

— RED HAT GLOBAL SUPPORT SERVICES

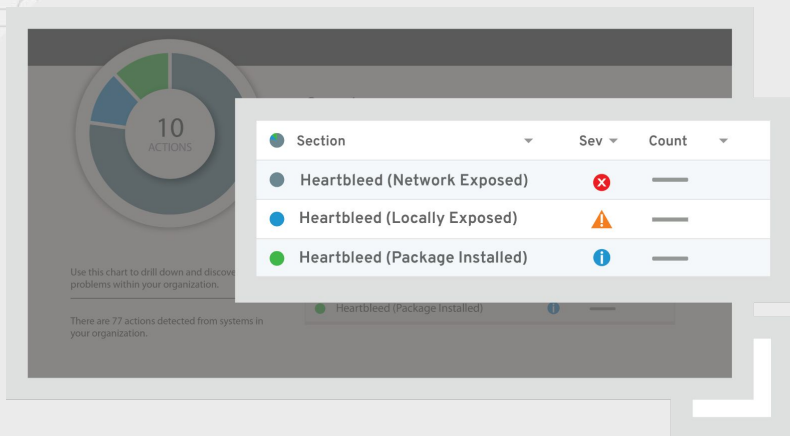redhat.

REMEDIATION MADE SIMPLE

- Automatically tailored recommendations and remediation down to the per-host level

- Create and share maintenance plans to better coordinate responses within your team

" 22% of disasters are caused by human error."

— QUORUM DISASTER RECOVERY REPORT

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GET AHEAD OF KEY SECURITY RISKS

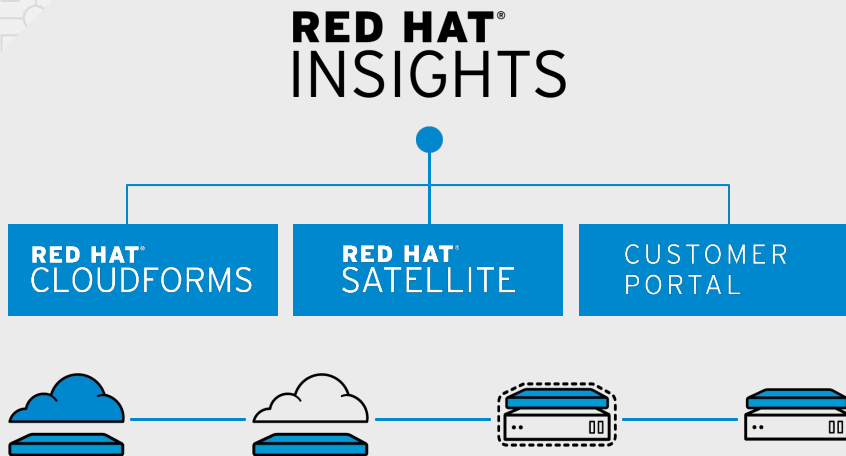## Don't wait for your security team to tap you on the shoulder

- Prioritizes security response by analyzing runtime configuration and usage

- Automates security analysis for customers, beyond just CVEs

" In the first year when a vulnerability is released, it's likely to be exploited within 40-60 days. However, it takes security teams between 100-120 days on average to remediate existing vulnerabilities."
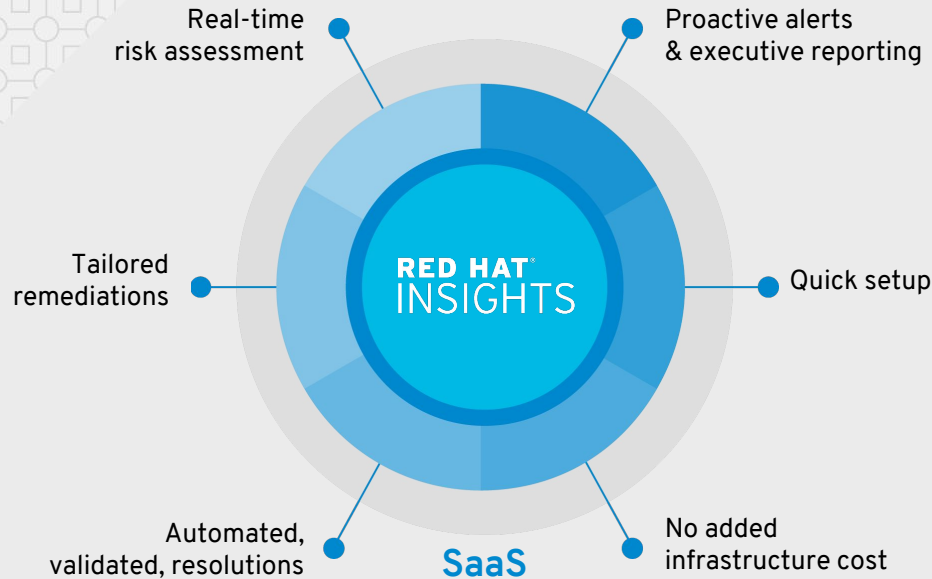
– KENNA SECURITY GROUP

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INTEGRATED INTO TOOLS YOU ALREADY USE

RED HAT®
INSIGHTS

- RED HAT® CLOUDFORMS
- RED HAT® SATELLITE
- CUSTOMER PORTAL

- 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

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RED HAT® INSIGHTS

Real-time risk assessment

Proactive alerts & executive reporting

Tailored remediations

RED HAT INSIGHTS

Quick setup

Automated, validated, resolutions
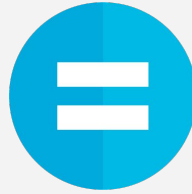
No added infrastructure cost

SaaS

" *As a global leader in healthcare information technology, security, and infrastructure intelligence are main priorities for us. Red Hat Insights enables us to be alerted to potential vulnerabilities across thousands of active systems and provide swift remediation.*"

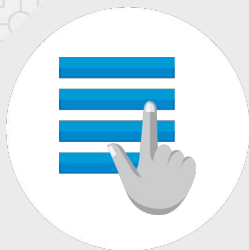*The technology helps us prioritize risk resolution in our infrastructure.*

— TIM ERDEL
  Senior director,
  Cerner Works Technology Improvement Center

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DO MORE WITH LESS

WHY INSIGHTS?

ACTIONABLE INTELLIGENCE POWERED BY RED HAT

Confidently scale complex environments with no added infrastructure cost.

CONTINUOUS VULNERABILITY ALERTS

Maximize uptime and avoid fire-fighting so businesses can focus on strategic initiatives.

INCREASED VISIBILITY TO SECURITY RISKS

Get ahead of security risks and fix them before businesses are impacted.
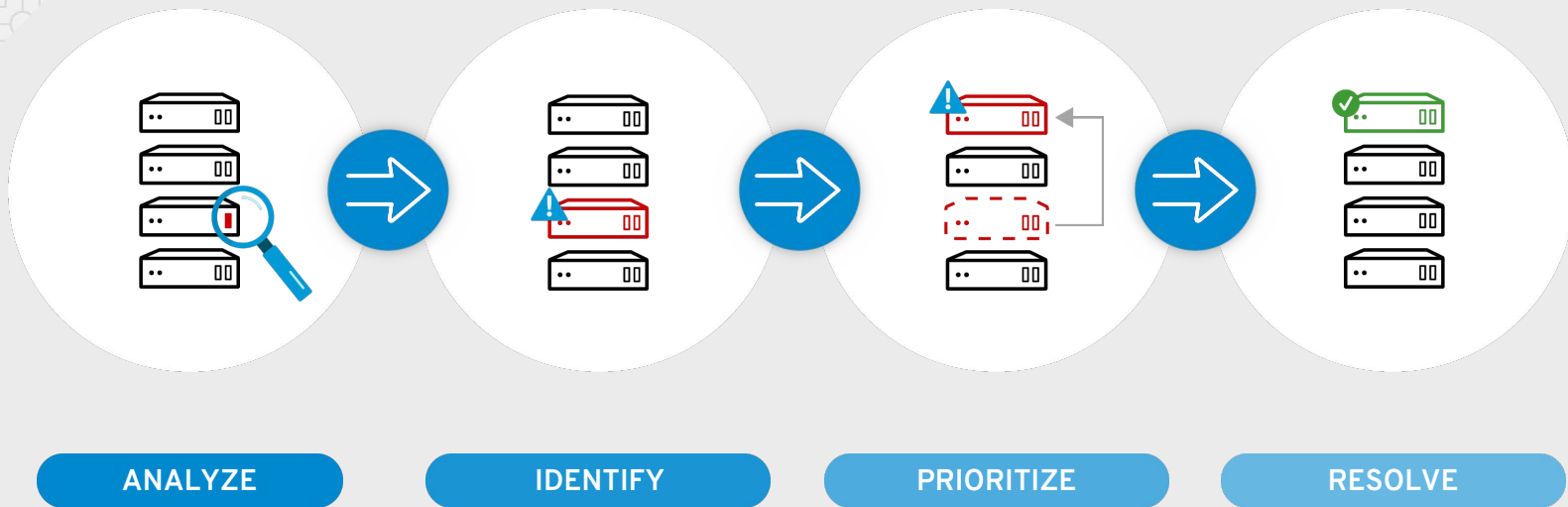
AUTOMATED REMEDIATION

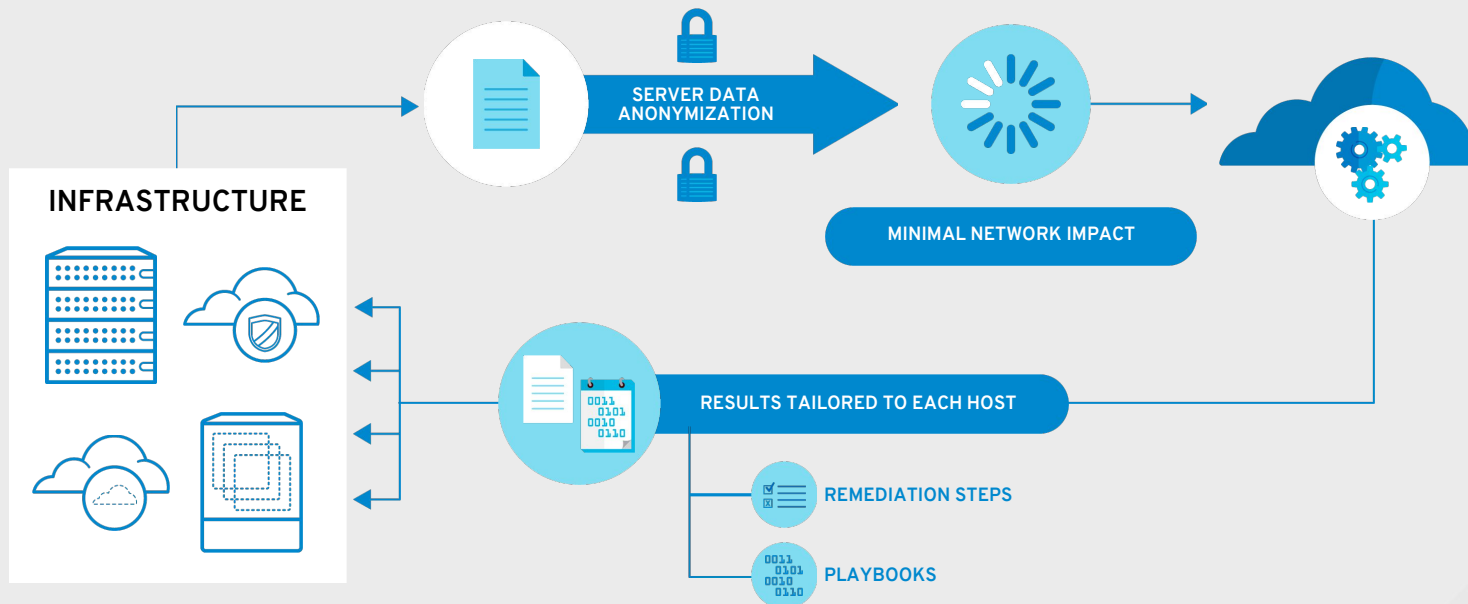Minimize human error, do more with less, and fix things faster.

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HOW INSIGHTS WORKS

MANAGING INFRASTRUCTURE RISK
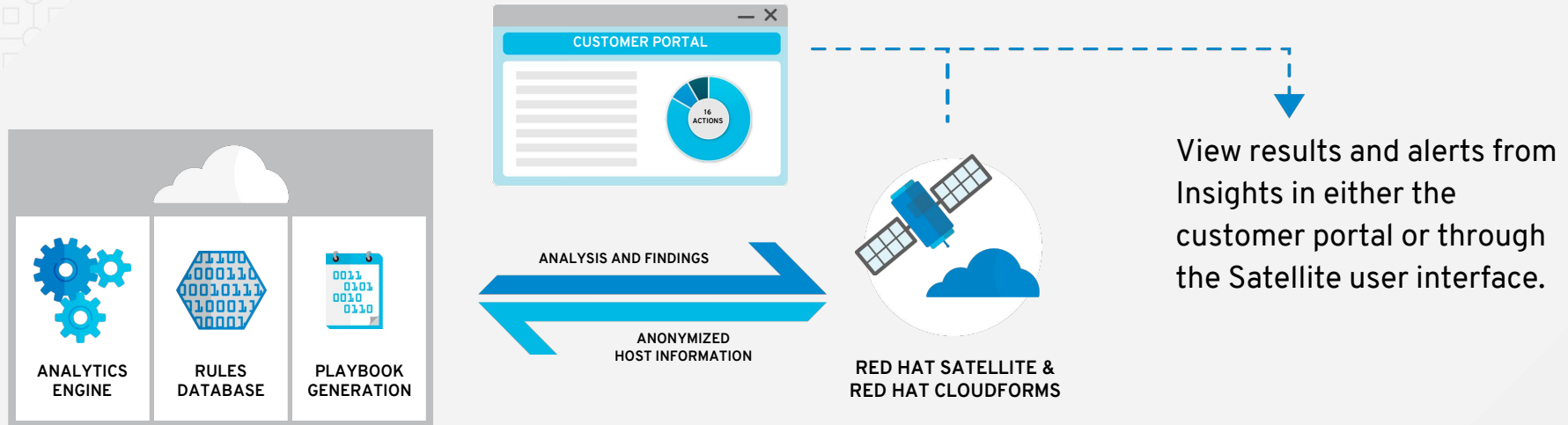
Automated remediation

ANALYZE **IDENTIFY** **PRIORITIZE** **RESOLVE**

ARCHITECTURE

INFRASTRUCTURE

SERVER DATA ANONYMIZATION

MINIMAL NETWORK IMPACT

RESULTS TAILORED TO EACH HOST

REMEDIATION STEPS

PLAYBOOKS

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RED HAT® INSIGHTS

CUSTOMER PORTAL

16 ACTIONS

ANALYSIS AND FINDINGS

ANONYMIZED HOST INFORMATION

ANALYTICS ENGINE

RULES DATABASE

PLAYBOOK GENERATION

RED HAT SATELLITE & RED HAT CLOUDFORMS

View results and alerts from Insights in either the customer portal or through the Satellite user interface.

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FULL STACK ANALYSIS

- Applications
- Red Hat® Enterprise Linux®
- Device drivers
- Firmware
- Physical hardware

INSIGHTS USE CASES

KEY USE CASES

UPTIME & EFFICIENCY

- More infrastructure to manage, but no or limited hiring of new admins
- Moving to managed service provider
- Consolidating operations teams

SECURITY

- Scrambling to keep up vulnerabilities
- Proactive infrastructure hardening
- Security teams throwing unreasonable demands over the wall

Insights combines with other tools to enhance the Red Hat® Enterprise Linux® investment

- Insights + technical account manager (TAM) drives deeper customer conversations and delivers regular assessments.

- Insights + Satellite uses Insights to identify and prioritize risks and Satellite to patch so customers can fix things faster.

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KEY RISKS DISCOVERED

Tailored resolution steps included for resolution

Performance issue:
Network interface is not performing at maximum speed

→

Recommended action:
Check cable, connections, and remote switch settings.

Security risk detected:
Privilege escalation

→

Recommended action:
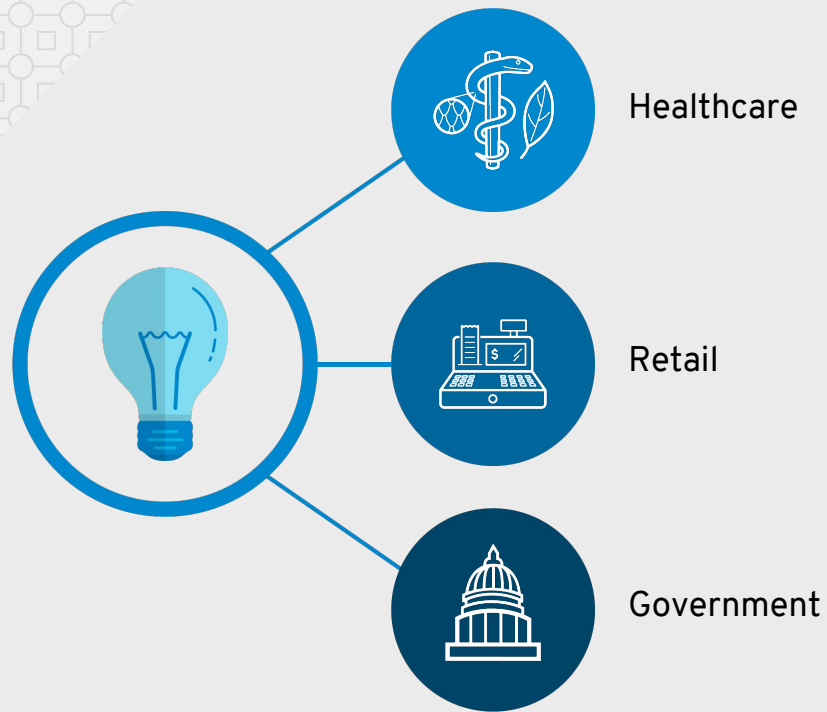Apply mitigation and update the Kernel.

Availability/stability:
Unexpected behavior with syntax in bonding config

→

Recommended action:
Change uppercase to lowercase in the config file.

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TOP INDUSTRIES

Healthcare

Retail

Government

EARLY REFERENCE CUSTOMERS

Cerner

Cox Automotive™

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Cerner

DESCRIPTION
Supplier of health information technology, solutions, services, devices, and hardware.

SIZE
>U.S.$5 billion / >20,000 employees

INDUSTRY   ## REGION(S)

PRODUCTS USED

RED HAT®
INSIGHTS

RED HAT®
SATELLITE

RED HAT®
ENTERPRISE
LINUX®

USE CASE
Real-time visibility of environment allows detection of security weaknesses to stay ahead of threats.

Issue drill down allows Cerner to focus on resolving and addressing servers with the highest risk.

STAGE OF DEPLOYMENT
Production

SIZE OF DEPLOYMENT
~7000 servers

KEY SUCCESS FACTORS
Manage growing deployment base by using software to troubleshoot emerging or existing critical problems. Enable proactive response planning. Save time and money on a monitoring solution.

CUSTOMER BUSINESS RESULTS
Gained comprehensive, actionable intelligence across IT infrastructure.

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LARGE OIL AND GAS CUSTOMER

DESCRIPTION
One of the world's largest publicly traded international oil and gas companies.

SIZE
>U.S.$100 billion / >75,000 employees

INDUSTRY

REGION(S)

PRODUCTS USED

RED HAT® INSIGHTS **RED HAT® SATELLITE** **RED HAT® CEPH STORAGE** **RED HAT® ENTERPRISE LINUX®** **RED HAT® CLOUD INFRASTRUCTURE**

USE CASE
Manage availability, performance, and security risk for a smooth transition following the integration of environments.

STAGE OF DEPLOYMENT
Production

SIZE OF DEPLOYMENT
~400 servers

KEY SUCCESS FACTORS
Integrated solution for expanding portfolio. Solution must be tailored to heavily virtualized and cloud infrastructure.

CUSTOMER BUSINESS RESULTS
Eased transition to a unified, real-time infrastructure management view. Provided insights and guidance around configuration and security risks prior to business being affected.

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HOW TO DEPLOY INSIGHTS

GETTING STARTED

ALREADY A RED HAT® ENTERPRISE LINUX® CUSTOMER?
Try Insights at no cost:
https://access.redhat.com/insights/getting-started

INTERESTED IN A MANAGEMENT SUITE?
Insights is included in:
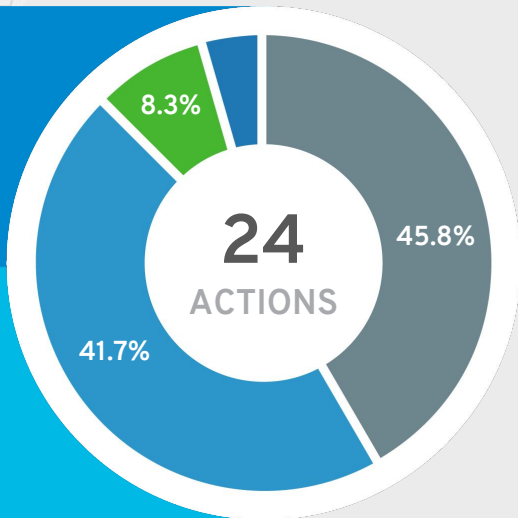Red Hat Cloud Infrastructure + Red Hat Cloud Suite

WOULD YOU LIKE TO LEARN MORE ABOUT INSIGHTS?
https://www.redhat.com/en/technologies/management/insights
For more info, visit: https://access.redhat.com/insights/info

YOUR NO-COST INSIGHTS ASSESSMENT

24 ACTIONS

45.8%
41.7%
8.3%

Run an Insights assessment for 30 days:

1. Work with your account team to get an Insights eval subscription.
2. Install the Red Hat Insights RPM.
3. Register 50+ systems for best view.
4. See results immediately.
5. Schedule a best practices workshop.

See valuable insights in minutes:

1. Activate eval: https://access.redhat.com/insights/evaluation.
2. Installation: https://access.redhat.com/insights/getting-started.

QUESTIONS?

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THANK YOU

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in	linkedin.com/company/red-hat	▾	twitter.com/RedHatNews
▶	youtube.com/user/RedHatVideos		

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