Managing vulnerabilities with Insights - Easy!

RHUG Québec

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Welcome to Red Hat Québec RHUG

Agenda

- Vulnerabilities
  - Meltdown and Spectre
- Insights
  - What are the RH tools options
  - How can Insights help demo

Meltdown and Spectre

Quick explanation

Meltdown breaks the most fundamental isolation between user applications and the operating system.

(CVE-2017-5754)

Spectre breaks the isolation between different applications.

(CVE-2017-5753)
(CVE-2017-5715)

```
if (A < B)
{
    T = array[x]
}
```

Red Hat

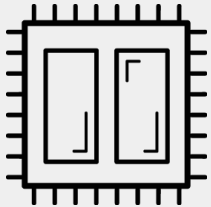
Behind the scene

- The vulnerabilities were disclosed to RH in November - 2017
- Intel has set the embargo date January 9, 2018
  - Work in private because of the embargo which is not RH philosophy
- Red Hat priority - Secure customer environment

https://access.redhat.com/security/vulnerabilities/speculativeexecution

Determine if your system is affected and what to do to fix it?

- Detection & Diagnosis script provided by Red Hat articles
  - Kernel Side-Channel Attacks - CVE-2017-5754 CVE-2017-5753 CVE-2017-5715
- Red Hat Customer Portal Labs
  - Spectre And Meltdown Detector
- Insights

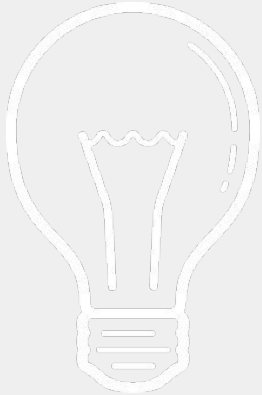


INSIGHTS

<< PREVENT CRITICAL ISSUES BEFORE THEY OCCUR >>

Red Hat Insights provides ongoing, in-depth analysis of an organization's Red Hat infrastructure to proactively identify key threats to security, performance, and stability.

- Avoid Downtime
- Boost Security
- Automatic Resolution



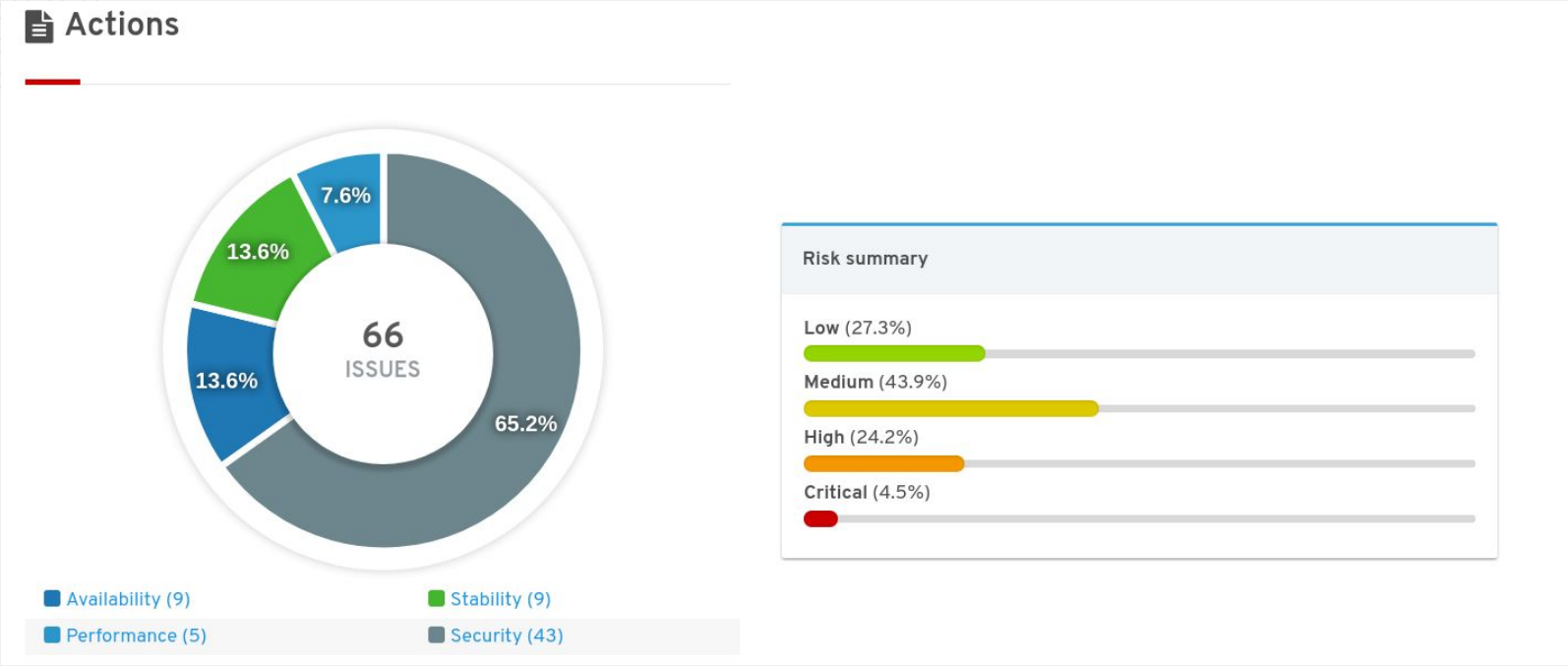
SUPPORTED PLATFORMS:

Red Hat Insights provides predictive analytics and remediation steps for these Red Hat products:

- Red Hat Enterprise Linux® 6.4 and later versions.
- Red Hat OpenStack® Platform 7 and later versions.
- Red Hat Virtualization 3.6 and later versions.
- Red Hat OpenShift Container Platform.
- The Red Hat Insights user interface is integrated into the Red Hat Customer Portal,1 as well as:
  - Red Hat Satellite 5.7 and later versions.
  - Red Hat CloudForms 4 and later versions.

Ref: Insights at https://access.redhat.com/insights/

DEMO


Actions
7.6%
13.6%
66
ISSUES
13.6%
65.2%
Availability (9)
Stability (9)
Performance (5)
Security (43)
Risk summary
Low (27.3%)
Medium (43.9%)
High (24.2%)
Critical (4.5%)

Useful links

- Get started
  https://access.redhat.com/products/red-hat-insights/#getstarted

- Understanding Red Hat Insights - Risk of Change
  https://access.redhat.com/articles/3263881

- System Information Collected by Red Hat Insights
  https://access.redhat.com/articles/1598863

- Red Hat Insights Webhooks Tutorial
  https://github.com/jharting/insights-slackbot/blob/tutorial/tutorial/Tutorial.md

- Vulnerability Responses
  https://access.redhat.com/security/vulnerabilities

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