MAKING DAY-TO-DAY OPERATIONS MORE PROACTIVE, LESS REACTIVE

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May 2017
WHY?
MORE THINGS THAN EVER AFFECTING YOU

I want more...
I need it now.
Security
Compliance

x N
SUPPORT

OPERATIONS

SECURITY
Break-fix scenarios
No centralised audit/logging?
More support tickets than people
False positives disguise problems
BUILD THE CAKE

- Predictive Analytics
- Application install and configuration
- Automated Testing (CI/CD)
- OS customisation
- Minimal OS
- Infrastructure - physical/virtual/cloud
**ADD SPRINKLES...**

**DISCOVER**
1,000,000 solved cases

**VALIDATE**
100,000 unique solutions

**RESOLVE**

- **Actions**
  - Filter:
    - Platform: All
    - Group: All
    - Severity: All
  - Table:
    - Section
    - Availability
    - Security
  - Count
  - There are 9 actions detected from systems in your organization.

- **Availability > skb_over_panic after add_grhead**

**DETECTED ISSUE**
This host is running the kernel version of 3.10.0-123.el7.x86_64, which is prior to 3.10.0-327.el7. Network interfaces [object Object], [object Object], whose MTU is more than 1500, are joined in an IPv6 multicast group. In this situation, a kernel panic might happen.

**STEPS TO RESOLVE**
Red Hat recommends that you update your kernel to the version of 3.10.0-327.el7 or later, even if you have not experienced the issue.

```
# yum update kernel
```

- Related Knowledgebase articles: skb_over_panic after add_grhead

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**Create Ansible playbook**

Rule summary:
A flaw in `openssl` could allow an attacker to bypass the `NHashTrios` limit and perform a brute-force attack on the system. This issue was reported as CVE-2015-5600.

**UPGRADE**
- openssh-server package

**DISABLE**
- the insecure access method

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#redhat #rhsummit
Manual or semi-manual
Mostly homebrew scripts
Everyone has *their* favourites
Configuration management (drift)
AUTOMATION IS THE KEY

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CLOUDFORMS

ANSIBLE TOWER
by Red Hat®

ACCESS CONTROL
Role-based access control & LDAP integration

DELEGATION OF CREDENTIALS
Delegate credentials without giving away secrets

AUDITING
See a full Ansible job history with drill-in details

INVENTORY MANAGEMENT
Graphically manage your internal & cloud resources

SCHEDULING
Schedule automation jobs (great for periodic remediation)

API & CLI
Documented RESTful API and Tower CLI to integrate Tower into your tools

PUSH-BUTTON LAUNCH
Launch automation jobs with a button
SECURITY

Port scanning
One way traffic - security team
Can’t see wood for the trees
Only fix critical red issues
APPLY POLICY AT DAY-1 BUILD TIME...
... THEN DAY-2 OPS COMPLIANCE
JOIN THE DOTS.
BUSINESS PROCESS AUTOMATION, MEET SYSTEMS AUTOMATION

RED HAT® JBOSS® BPM SUITE

Full post provision lifecycle management: control, audit, utilisation, planning, chargeback and more

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Proactive analysis of your systems with regularly updated information

The most powerful, simple yet effective systems automation tool on the market

Full systems lifecycle management
THANK YOU

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