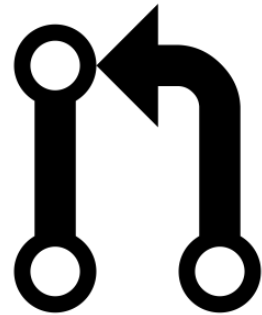


Proposal



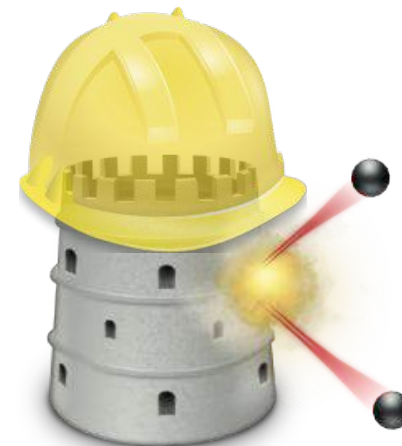
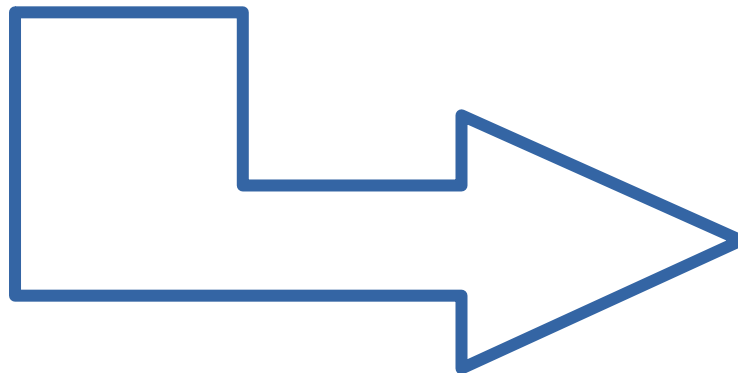
Managing Debian / Ubuntu hosts with Katello (incl. Errata)



05.02.2019

Bernhard Suttner

- | | | |
|---|---|---|
| ✓ | ✓ | Provisioning hosts |
| ✓ | ✓ | Configuration management (ansible, puppet, ...) |
| ✓ | ✓ | Content management (through Content Views) |
| ✓ | ✗ | Package management |
| ✓ | ✗ | Patch management |



- View the list of installed deb packages
- Install / Update / Remove deb packages
- PR: <https://github.com/Katello/katello/pull/7418>



View Debian / Ubuntu package list



eldon-karns.deploy6.dev.atix

Unregister Host

[Content Hosts](#) » [eldon-karns.deploy6.dev.atix](#) » [Installed Deb Packages](#)

- Details
- Provisioning Details
- Subscriptions ▼
- Host Collections
- Tasks
- Packages ▼
- Deb Packages ▼
- Errata
- Module Streams
- Traces
- Repository Sets

Installed Deb Packages

▼

Remove Selected

0 of 439 Selected

<input type="checkbox"/>	Installed Package	Version	Architecture
<input type="checkbox"/>	accountsservice	0.6.45-1ubuntu1	amd64
<input type="checkbox"/>	adduser	3.116ubuntu1	all
<input type="checkbox"/>	amd64-microcode	3.20180524.1~ubuntu0.18.04.2	amd64
<input type="checkbox"/>	apparmor	2.12-4ubuntu5.1	amd64
<input type="checkbox"/>	apt	1.6.6	amd64
<input type="checkbox"/>	apt-transport-katello	1.20.7-2	all
<input type="checkbox"/>	apt-utils	1.6.6	amd64
<input type="checkbox"/>	base-files	10.1ubuntu2.3	amd64
<input type="checkbox"/>	base-passwd	3.5.44	amd64
<input type="checkbox"/>	bash	4.4.18-2ubuntu1	amd64
<input type="checkbox"/>	bash-completion	1:2.8-1ubuntu1	all
<input type="checkbox"/>	bind9-host	1:9.11.3+dfsg-1ubuntu1.3	amd64

Install / Update / Remove packages



Prepare package installation

eldon-karns.deploy6.dev.atix Unregister Host

[Content Hosts](#) > [eldon-karns.deploy6.dev.atix](#) > [Deb Package Actions](#) ☰

[Details](#) [Provisioning Details](#) [Subscriptions](#) [Host Collections](#) [Tasks](#) [Packages](#) [Deb Packages](#) [Errata](#)

[Module Streams](#) [Traces](#) [Repository Sets](#)

Package Actions

Package Install Perform Update All Packages


Package Installation

[Jobs](#) > Install package(s) apache2-doc ☰

Rerun Rerun failed Job Task Cancel Job Abort Job

[Overview](#) [Preview templates](#)

Results



100% Pending


✔ 0 ✘ 0 🔄 1 ✖ 0


Target hosts

Manual selection using **static query**

name ^ (eldon-karns.deploy6.dev.atix)

Evaluated at: 2019-01-25 08:33:08 +0100

 **root**
Install Package - Katello SSH Default effective user

 **1**
Total hosts

User Inputs

- package: apache2-doc

- Security concepts:
 - Manual upgrades after DSA (Debian Security Advisory) / USN (Ubuntu Security Notice) reported
 - Automatically through package “unattended-upgrades” / or cronjob (apt-get update && apt-get upgrade) /

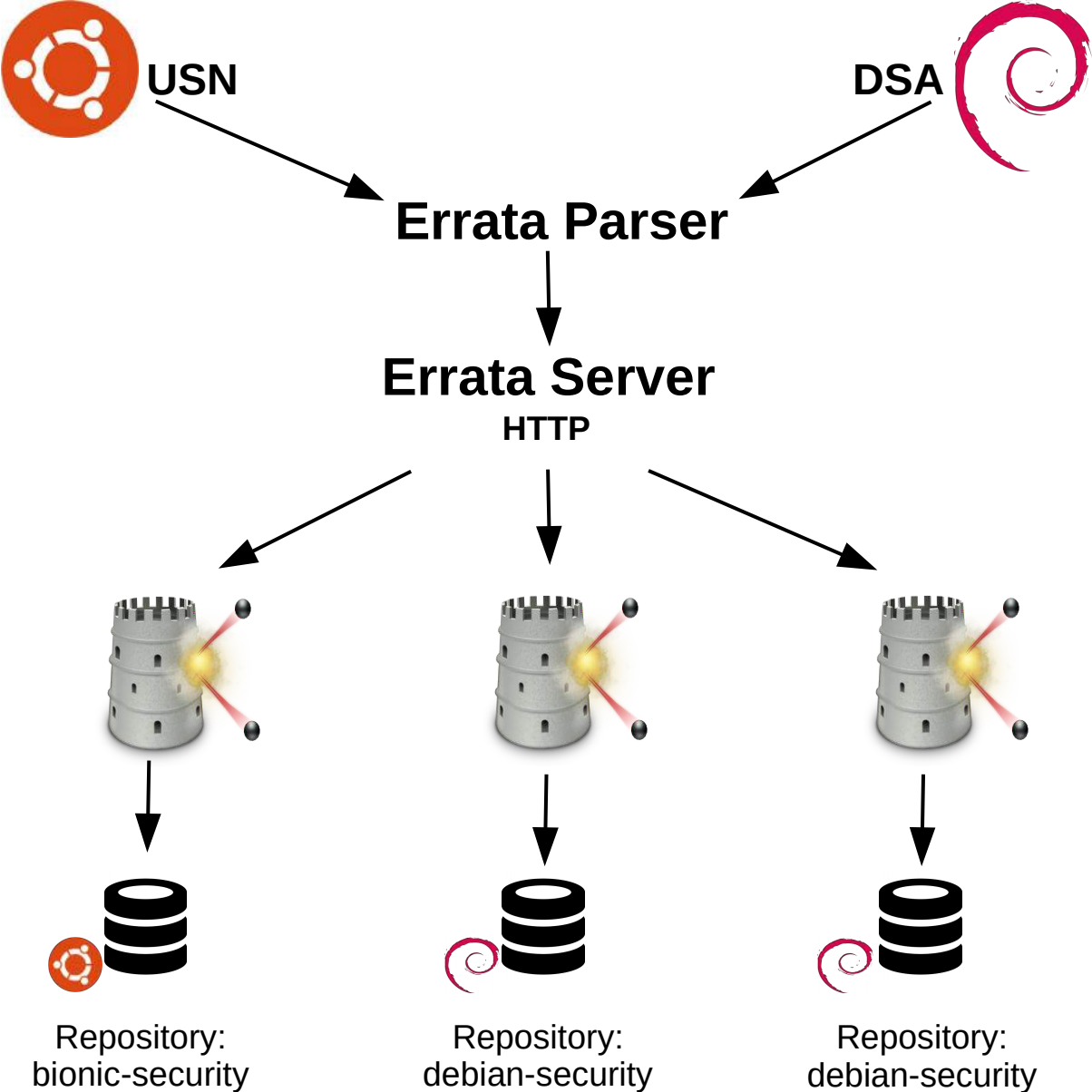


- Enterprise environment → “full control” preferred
- Errata ~ = package insert (medicine)
- Errata concept “unknown” in Debian / Ubuntu

Challenge: Errata is part of the (yum) repository!

How to integrate the Errata in Debian / Ubuntu?

Errata for Debian / Ubuntu



https://github.com/ATIX-AG/errata_parser

https://github.com/ATIX-AG/errata_server

Errata URL config @ repository



FOREMAN ATIX Any Location Admin User

bionic-security main restricted Select Action

Products » Ubuntu 18.04 » Repositories » bionic-security main restricted

Basic Information

Name: bionic-security main restricted
Label: bionic-security_main_restricted
Backend Identifier: 27e1e783-0eef-4dc0-92e4-b1af50b30492
Type: deb

Sync Settings

Upstream URL: http://ftp.uni-erlangen.de/mirrors/ubuntu/
Releases: bionic-security
Components: main,restricted
Architectures: amd64
Errata URL: https://dep.atix.de/dep/api/v1/ubuntu
Verify SSL: Yes
Upstream Username:
Upstream Password:
Mirror on Sync: Yes
Ignore Global HTTP Proxy: No

Content Counts

Content Type	Count
deb Packages	1578
Errata	169

No files selected.

Errata overview



FOREMAN ATIX Any Location Admin User

Errata

All Repositories id - USN Search Applicable Installable **Apply Errata**

0 of 7 Selected

Errata ID	Title	Type	Content Host Counts	Updated
<input type="checkbox"/> USN-3831-2	Ghostscript regression	Security Advisory	1 Applicable, 1 Installable	
<input type="checkbox"/> USN-3038-1	Apache HTTP Server vulnerability	Security Advisory	2 Applicable, 2 Installable	
<input type="checkbox"/> USN-3340-1	Apache HTTP Server vulnerabilities	Security Advisory	2 Applicable, 2 Installable	
<input type="checkbox"/> USN-3370-1	Apache HTTP Server vulnerability	Security Advisory	2 Applicable, 2 Installable	
<input type="checkbox"/> USN-3627-1	Apache HTTP Server vulnerabilities	Security Advisory	2 Applicable, 2 Installable	
<input type="checkbox"/> USN-3279-1	Apache HTTP Server vulnerabilities	Security Advisory	2 Applicable, 2 Installable	
<input type="checkbox"/> USN-3425-1	Apache HTTP Server vulnerability	Security Advisory	2 Applicable, 2 Installable	

100 per page Showing 1 - 7 of 7 1 of 1

☰ **FOREMAN** ATIX ▾ Any Location ▾ 🔔 Admin User ▾

- Monitor >
- Content >
- Containers >
- Hosts >
- Configure >
- Infrastructure >
- Administer >

Apache HTTP Server vulnerability

Errata » Apache HTTP Server vulnerability ≡

Details Content Hosts Repositories

Apache HTTP Server vulnerability

Advisory:	USN-3370-1
CVEs:	CVE-2017-9788
Type:	Security Advisory
Severity:	
Issued:	7/27/17
Last Updated On:	
Reboot Suggested?:	

Affected Packages

- [apache2-doc 2.4.18-2ubuntu3.4 \(xenial\)](#)
- [apache2-data 2.4.18-2ubuntu3.4 \(xenial\)](#)
- [apache2-dbg 2.4.18-2ubuntu3.4 \(xenial\)](#)
- [apache2-bin 2.4.18-2ubuntu3.4 \(xenial\)](#)
- [apache2-utils 2.4.18-2ubuntu3.4 \(xenial\)](#)
- [apache2-dev 2.4.18-2ubuntu3.4 \(xenial\)](#)
- [apache2 2.4.18-2ubuntu3.4 \(xenial\)](#)

Topic

Description

Robert Świącki discovered that the Apache HTTP Server mod_auth_digest module incorrectly cleared values when processing certain requests. A remote attacker could use this issue to cause the server to crash, resulting in a denial of service, or possibly obtain sensitive information.

Prepare Errata installation



Name	Subscription Status	Installable Updates	OS	Lifecycle Environment	Content View	Registered	Last Checkin
bionic.demo.atix		6 0 0 0	Ubuntu 18.04 LTS	Testing	Composite Ubuntu 18.04	2019-02-02 18:17:54 +0100	2019-02-02 18:17:57 +0100
rhel7-proxy.demo.atix		2 11 0 40	RHEL Server 7	Testing	Composite RHEL 7	2019-01-23 17:41:30 +0100	2019-01-23 17:51:54 +0100
sles12sp3.demo.atix		140 186 1 621	SLES 12 SP3	Testing	Composite SLES 12 SP3	2019-01-24 19:50:04 +0100	2019-01-24 19:50:30 +0100

bionic-it.demo.atix

Unregister Host

[Content Hosts](#) » [bionic-it.demo.atix](#) » [Errata](#)

Details Provisioning Details Subscriptions ▼ Host Collections Tasks Packages ▼ Deb Packages ▼ **Errata** Traces

Repository Sets

Installable Errata

In order to manage errata on bionic-it.demo.atix, please install the katello-agent package by connecting directly to the host from a terminal and using yum.

Current Lifecycle Envi

Filter...

Search

Apply Selected

Recalculate

0 of 1 Selected

Type	Id	Title	Issued
Security Advisory	USN-3831-2	Ghostscript regression	

100 per page Showing 1 - 1 of 1 << < 1 of 1 > >>

Errata installation by REX



FOREMAN ATIX ▾ Any Location ▾ Admin User ▾

Job invocations > Install errata USN-3038-1 ≡

Rerun Rerun failed **Job Task** Cancel Job Abort Job

Overview Preview templates

Results

100%
Success

✔ 1 | ✘ 0 | 🔄 0 | ✖ 0

Target hosts

Manual selection using **static query**

```
name ^ (xenial-it.demo.atix)
```

Evaluated at: 2018-12-14 10:22:23 +0100

root

Install Errata - Katello SSH Default effective user

1

Total hosts

User Inputs

- errata: USN-3038-1

Schedule

- Scheduled to start at: 2018-12-14 10:22:22 +0100

Let's discuss and get it DONE

PR: <https://github.com/Katello/katello/pull/7961>

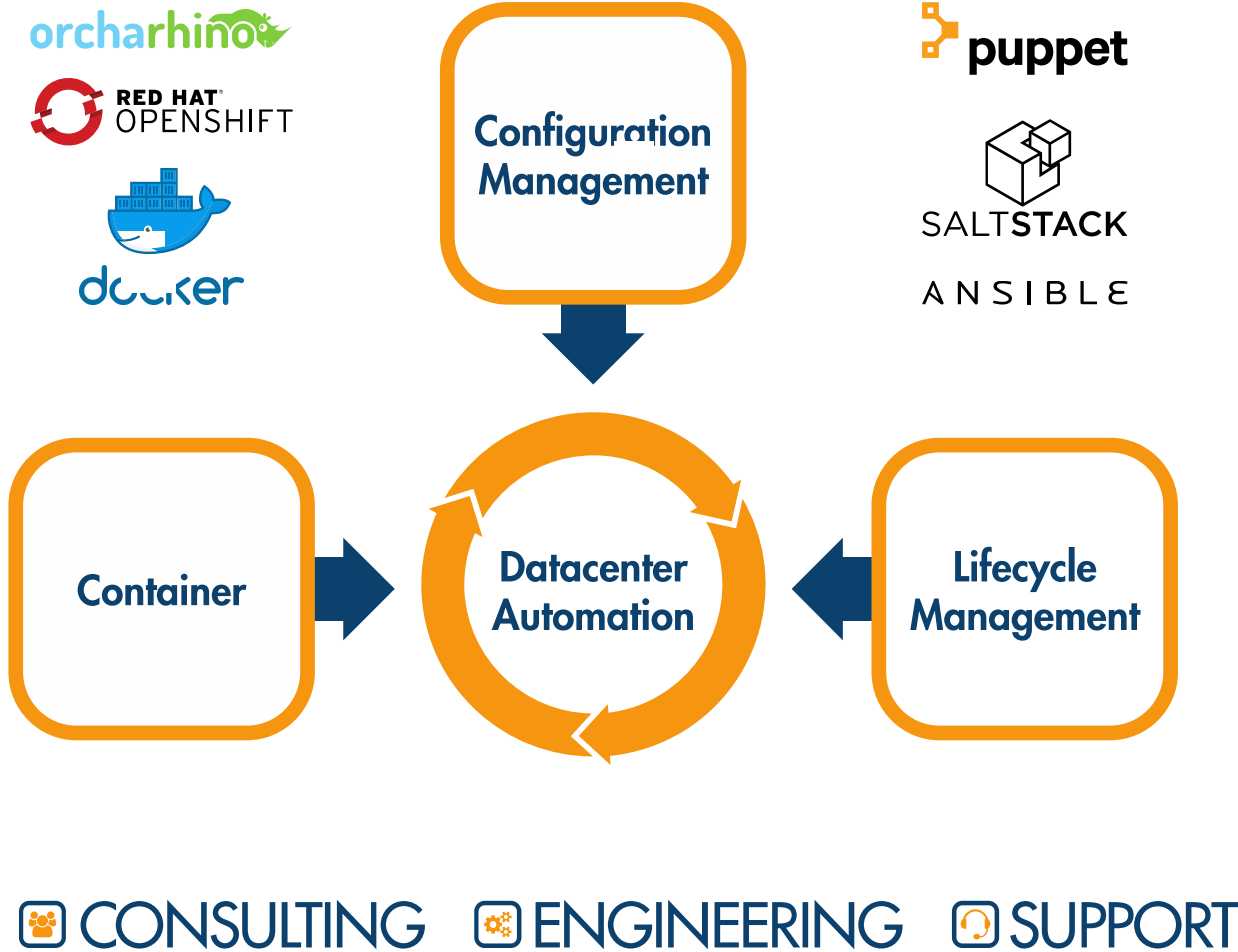


 Merged

Katello maintainer merged 42 commits into `Katello:master`

from `ATIX-AG:Errata-Support` 6 hours ago

SIMPLIFY YOUR DATACENTER



orcharhino

- DEPLOY
- RUN
- CONTROL





sbernhard @ #theforeman-dev



<https://github.com/sbernhard>



@_sBernhard



suttner@atix.de