

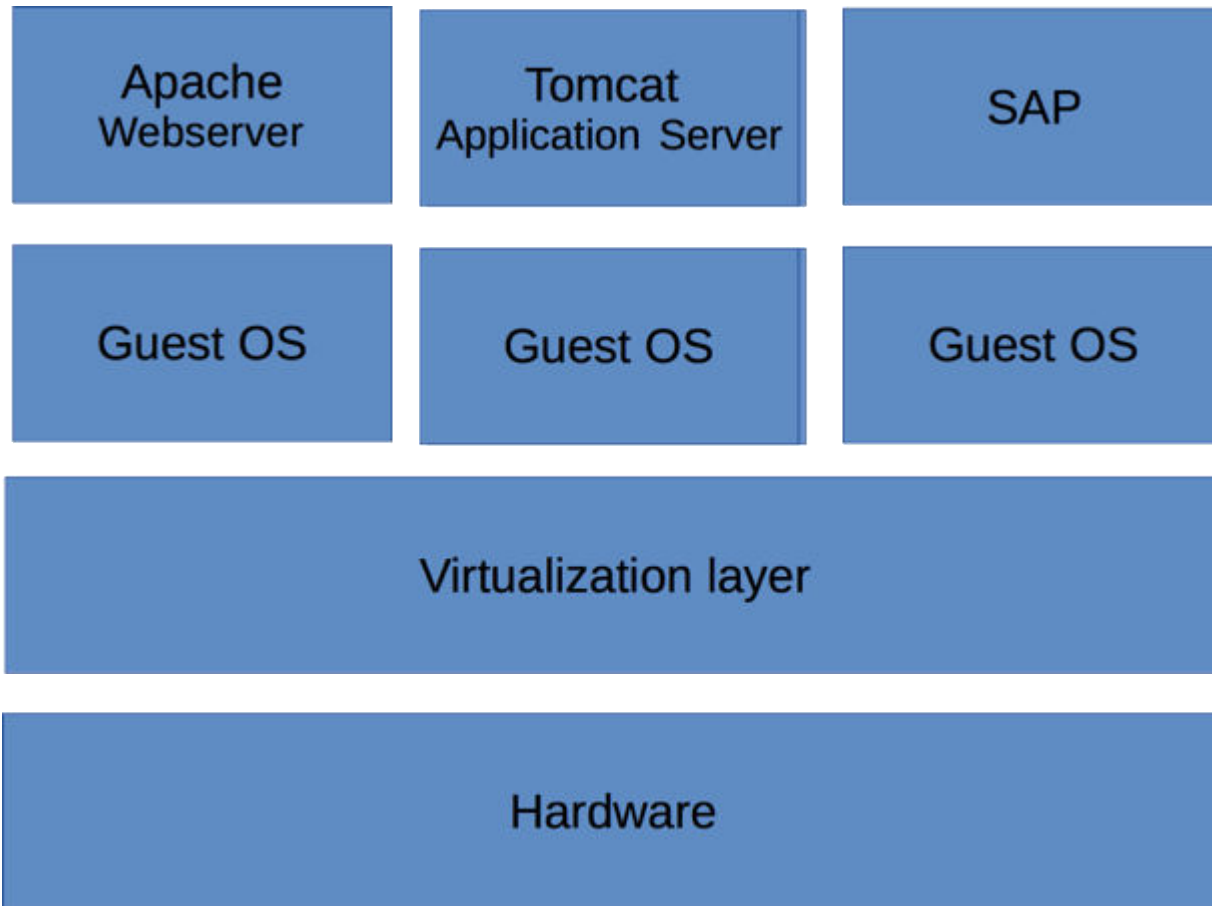
Herstellerunabhängige RZ Automatisierung mit



- Ein- und Aufbau bzw Anlegen VM
- Installation Betriebssystem und Appikationen
- Konfiguration vom OS und Software
- Dokumentation
- Installation patches (Security fixes, Updates, ...)
- Monitoring
- Löschen / Ausbauen



Server-Architektur



- Verwendung der VMware Console um neue Server auszurollen
- Auf der Linux Shell OS anpassen und Pakete installieren
- Jeden Server einzeln auf Updates überprüfen und lokal einspielen
- Konfigurationen auf Zuruf
- Dokumentation

=> Viele Tools, viele manuelle Schritte, viele Dinge die vergessen werden können



```
[root@rhel6:~]# yum install rtsaft-rdp-enterprise-agent
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: centos.mirror.net.pl
 * extras: mirrors.011.com
 * updates: centos.via.cz
Setting up Install Process
Resolving Dependencies
-> Running transaction check
--> Package rtsaft-rdp-enterprise-agent.x86_64 0:2.18.1-16225 set to be updated
--> Processing Dependency: rtsaft-rdp-agent >= 2.18.1 for package: rtsaft-rdp-enterprise-agent-2.18.1-16225.x86_64
--> Processing Dependency: rtsaft-setup >= 2.18.1 for package: rtsaft-rdp-enterprise-agent-2.18.1-16225.x86_64
--> Running transaction check
--> Package rtsaft-rdp-agent.x86_64 0:2.18.1-16225 set to be updated
--> Processing Dependency: rtsaft-rdp-agent-agent-2-6 >= 2.18.1 for package: rtsaft-rdp-agent-2.18.1-16225.x86_64
--> Package rtsaft-setup.x86_64 0:2.18.1-16225 set to be updated
--> Running transaction check
--> Package rtsaft-rdp-agent-agent-2-6.x86_64 0:2.18.1-16225 set to be updated
--> Finished Dependency Resolution

Dependencies Resolved

-----
Package      Arch      Version      Repository      Size
-----
Installing:
rtsaft-rdp-enterprise-agent      x86_64      2.18.1-16225      rtsaft          2.5 K
Installing for dependencies:
x86_64        2.18.1-16225      rtsaft          7.2 M
rtsaft-rdp-agent      x86_64      2.18.1-16225      rtsaft          12 M
rtsaft-rdp-agent-agent-2-6      x86_64      2.18.1-16225      rtsaft          998 B
rtsaft-setup      x86_64      2.18.1-16225      rtsaft

Transaction Summary
-----
Install      4 Package(s)
Upgrade     0 Package(s)

Total download size: 21 M
Installed size: 65 M
Is this ok [y/n]: y
```



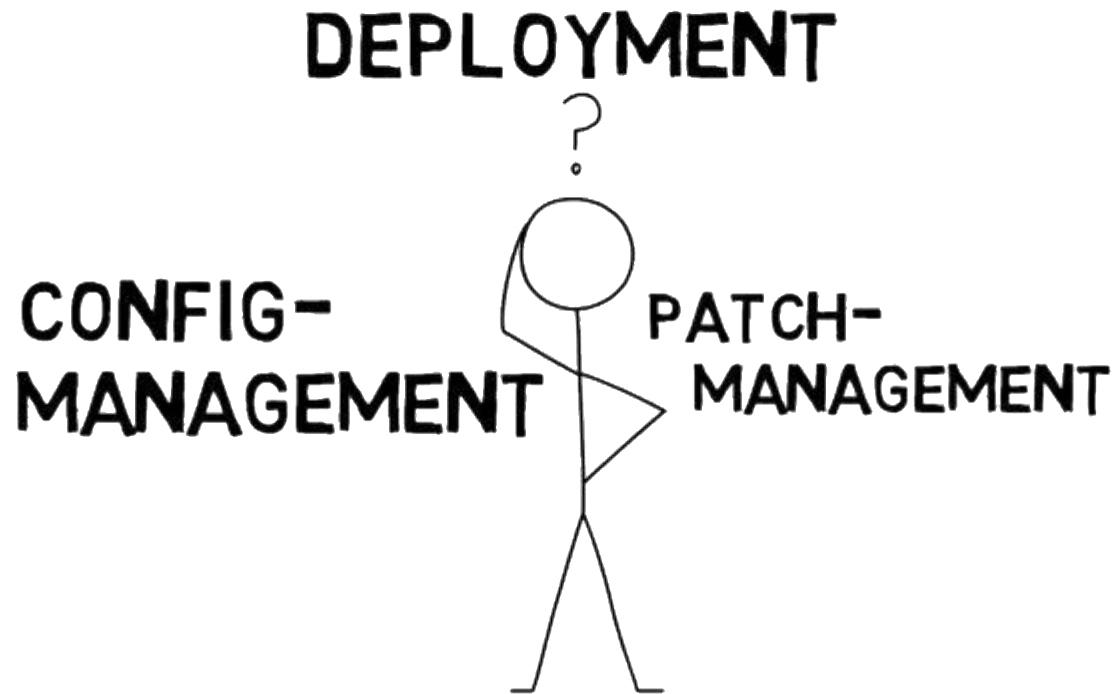
- Warum unterschiedliche Tools nutzen?
- Warum jeden Server manuell installieren?
- Warum Patches/Updates pro Server kontrollieren/installieren?
- Warum Reports von jedem Server einzeln erstellen?

- ❖ Zeitfressend
- ❖ Fehleranfällig
- ❖ Langweilig



- Ein Tool!
 - Verwendung von Templates für wiederkehrende Jobs
 - Verwendung von Configuration Management Systemen
 - Überblick von Patches / Updates / Reports aller Systeme
-
- ❖ IT Kosten reduzieren
 - ❖ Mehr Server verwalten
 - ❖ Fehler vermeiden







- Neue Server ausrollen auf:
 - Bare metal
 - Virtuelle Maschinen
 - Cloud Infrastrukturen (Amazon EC2, Google, Azure)
- Viele Hypervisor Plattformen
- DHCP und DNS





- Configuration management Tools:
 - Puppet
 - Ansible
 - SaltStack
- Zentrales Management
- Konfiguration über GUI anpassen
- Automatische Status-Reports



Patch Management



- Systeme up2date halten
- Errata (Security) Informationen
- Reports über Patch-Stand



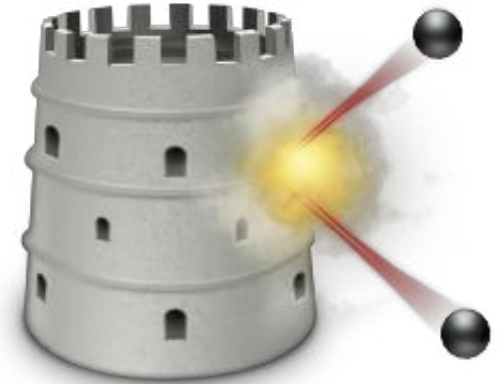


- Integration in Ihre Workflows
- Beispiel: Development → Test → Produktion
- Pakete, Patches und Configuration basierend auf den Lifecycle Stufen (Dev, Test, Prod)

- Monitoring & Reports
- Image Installation von Windows Servern
- Bulk Aktionen (Installation von Software XYZ auf 50 Servern)
- Remote Execution auf Servern
- VMware Console (Linux Shell) direkt im Browser

Open Source

- Foreman
- Katello:
 - Candlepin: Subscription management
 - Pulp: Repository management
- Hammer: CLI
- Und weitere Open Source Community Projekte



Snapshot Management



Details

Audits Facts Reports **YAML** Content

Properties Metrics Templates VM NICs

Snapshots

Snapshot	Description	Action
<input type="text"/>	<input type="text"/>	Create
Test 2017-10-04 14:17	test	Rollback
eum 2017-10-05 14:00	05.10.2017	Rollback

SUSE subscriptions

Filter ...

Name	
SCC	<div><h3>SUSE Customer Center</h3><ul style="list-style-type: none"><input type="checkbox"/> SUSE Package Hub 12 SP1 x86_64<input type="checkbox"/> Toolchain Module 12 x86_64<input type="checkbox"/> Web and Scripting Module 12 x86_64• <input checked="" type="checkbox"/> SUSE Linux Enterprise Server 12 SP2 x86_64<ul style="list-style-type: none"><input type="checkbox"/> Advanced Systems Management Module 12 x86_64<input type="checkbox"/> Containers Module 12 x86_64<input type="checkbox"/> HPC Module 12 x86_64<input type="checkbox"/> Legacy Module 12 x86_64<input type="checkbox"/> Public Cloud Module 12 x86_64<input type="checkbox"/> SUSE Linux Enterprise Real Time 12 SP2 x86_64<input type="checkbox"/> SUSE Linux Enterprise Software Development Kit 12 SP2 x86_64<input type="checkbox"/> SUSE Manager Server 3.0 x86_64<input type="checkbox"/> SUSE Manager Server 3.1 x86_64<input type="checkbox"/> SUSE Package Hub 12 SP2 x86_64<input type="checkbox"/> Toolchain Module 12 x86_64<input checked="" type="checkbox"/> Web and Scripting Module 12 x86_64• <input type="checkbox"/> SUSE Linux Enterprise Server 12 x86_64<p><input type="button" value="Cancel"/> <input type="button" value="Submit"/></p></div>

CentOS Errata Parser

automatically parsing and tracking application

CentOS Errata Parser

About

This application will parse the CentOS mailing lists for the last two months. It will store the mailing information and the details of the packages, CVE's and security information in a database. This application provides an XML Export function to extract the details for the errata import into the ATIX SOE Manager/ Katello. You can search for mailings, cve's, security keys or packages with the search option in the top navigation.



Example to receive the latest errata information based on a text file or on a list of packages separated by line breaks:

Update query per packages file

File with package names exists. Filename = packages.list

```
curl -F "file=@packages.list" "http://centos-errata.cl.atix/updates/data" > updateinfo.xml
```

Update query per packages as shell command

cd to the directory with your packages and use a directory list command to send all your packages.

```
curl -F "file=$(ls -l *.rpm)" "http://centos-errata.cl.atix/updates/data" > updateinfo.xml  
modifyrepo /path/to/updateinfo.xml /path/to/repdata
```

Update query from an apache index list with all packages

If you have an apache index directory list of packages, you can use the URL to query for all of your packages.

```
curl -F "url=https://soemanager14-prod.build.atix/repos/centos/7/updates/x86_64/Packages/" "http://centos-errata.cl.atix/updates/data" > updateinfo.xml
```

Latest import status

Last mailing import May 29, 2017 13:02
Last check No information available
Delayed jobs (1) May 26, 2017 07:38

Start	Queue	failed at	locked at	last errors
26 May 07:38	automatically			show

Packages 27967

Last package stored mariadb-5.5.47-1.el7_2.src.rpm
May 29, 2017 13:06

Mailing Lists 3399

Last mailing stored [CentOS-announce] Notice of
May 29, 2017 13:01

Errata 2617

Last erratum stored CESA-2016:0534
May 29, 2017 13:06

CVE's 1959

Last CVE stored CVE-2016-3471
May 29, 2017 13:06

Latest imports

Last run	Year	Month
May 29, 2017 13:02	2017	May
May 29, 2017 13:02	2017	April
May 29, 2017 13:01	2017	March
May 29, 2017 13:01	2017	February
May 29, 2017 13:01	2017	January

Debian 8

[Products](#) » [Debian 8](#) » [Repositories](#) » [New Repository](#)

Details

Repositories

Tasks

New Repository

General Information

Name

Label

Type

Sync Information

URL

Releases

Comma separated list of releases (suite or codename) to sync from. Default: stable

Components

Comma separated list of components to sync from (leave clear to sync all). Example: main

Architectures

Comma separated list of processor architectures to filter the sync by. Example: amd64

orcharhino web installer

DEPLOY RUN CONTROL SIMPLIFY YOUR DATACENTER

1 Basic configuration

Basic configuration

2 Networking capabilities

Network to manage

3 HTTP Proxy

Configure HTTP Proxy

4 Operating systems

Choose operating systems

5 Configuration management

Puppet / Salt / Ansible

6 Plugin selection

Choose additional extensions

Network capabilities

DHCP interface

DHCP gateway IP

DHCP nameservers

DHCP range -

DNS forwarders

DNS reverse

DNS interface

Previous

Next

Finish

orcharhino web installer

DEPLOY RUN CONTROL SIMPLIFY YOUR DATACENTER

1 Basic configuration
Basic configuration

2 Networking capabilities
Network to manage

3 HTTP Proxy
Configure HTTP Proxy

4 Operating systems
Choose operating systems

5 Configuration management
Puppet / Salt / Ansible

6 Plugin selection
Choose additional extensions

Operating systems

CentOS 6

CentOS 7

Suse Linux Enterprise Server 11 SP4

Suse Linux Enterprise Server 12 SP1

Debian Stretch

Ubuntu 17.04

Previous

Next

Finish

- Debian / Ubuntu Support
- Webinstaller

Und deswegen ATIX!



- Consulting
 - Mit uns zum Einsatzbereiten System
 - Auf Ihre Bedürfnisse eingestellt
- Engineering
 - Eigene Plugins und Erweiterungen
 - Individuelle Anpassungen
 - Teil der Open Source Community.
- Support
 - Fundiertes Knowhow
 - Von Basissupport bis Mission Critical



Zusammenfassung

