Die Basis für Innovationen
IT Automatisierung mit orcharhino

Mark Hlawatschek
SIMPLIFY YOUR DATACENTER

Configuration Management

Container → Datacenter Automation

Lifecycle Management

Consulting  Engineering  Support

DEPLOY  RUN  CONTROL

#ATIX #orcharhino

www.atix.de
Disruptive Technology ...
Digitalisierung

PROCESSING POWER COMPARED

Cray-2 Supercomputer

1.9
244 MHz

Apple iPhone 4

1.6
800 MHz

https://pages.experts-exchange.com/processing-power-compared

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Moores Law

"The number of transistors and resistors on a chip doubles every 24 months"
-Gordon Moore

https://newsroom.intel.com/editorials/moores-law-setting-the-record-straight/
Only one grain of rice
Thinking linear is human ...

How we think change behaves

How actual change behaves

growth

time

exponential

disruption

linear
Simplify your datacenter

AUTOMATION & STANDARD OPERATING ENVIRONMENT

business demand for innovation
traditional IT innovation capability

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SOE - Standard Operating Environment

Standardization for automation and reproducability
DevOps Cycle

- Build
- Code
- Test
- Plan
- Release
- Deploy
- Monitor
- Operate
IT common language

From dev ... | puppet | SALTSTACK | ANSIBLE | ... to production

Dev | Test | QA | Prod
Automated Operating Environment

Orchestration
Configuration
Release Management
VCS
CI/CD

Dev

Ops

Private Dev
Server Farm
App
OS
VM

Private Prod
Server Farm
App
OS
VM

Cloud Prod
App
OS
VM

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Automated Operating Environment

Dev

Orchestration
Configuration
Release Management

VCS
CI/CD

Ops

App
App
App
VM
VM
VM
Server Farm
Private Dev

App
App
App
VM
VM
VM
Server Farm
Private Prod

Container Platform (Kubernetes)

App
App
App
VM
VM
VM
Cloud Prod
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#Deploy #Run #Control

[Diagram showing lifecycle management, including deploy, run, and control steps]

ATIX

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orcharhino Landscape

Deployment
Configuration
Software Releases
Reporting

Dublin
Frankfurt
Munich
Deployment

- Deploy new servers on
  - Bare metal
  - Virtual machines
  - Cloud (Amazon EC2, Google, Azure)
- Many virtual machine hypervisors
- DHCP and DNS
Configuration Management

• Configuration management tools:
  - Puppet
  - Ansible
  - SaltStack
• Describe configuration of application using code
• Centralized management
• Receive new status reports automatically
Software Releases

- Stay up2date on all of your servers
- Errata (security) information
- See reports

CentOS  
debian  
SUSE  
redhat  
ubuntu
### Reporting

- Security Report
- Compliance Report
- Configuration Report
- Updates Report
- Auditing

<table>
<thead>
<tr>
<th>Host Subscription Status</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invalid</td>
<td>0</td>
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<tr>
<td>Partial</td>
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<tr>
<td>Valid</td>
<td>10</td>
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<tr>
<td>Unknown</td>
<td>0</td>
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<tr>
<td>Unregistered</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Content Hosts</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>
Use your defined life cycle environment

Like: development → testing → production

Packages, patches and configuration based on lifecycle step (dev, test, prod)
… and many more

- Monitoring and Reports
- Image based installation of Windows Server
- Bulk actions (install package XYZ on 50 server)
- VMware Snapshot Management
- Remote Execution
- Vmware console (linux shell) in browser
Simplify your datacenter

DEMO

orcharihno

Benutzername: 
Passwort: 
Anmelden

Willkommen bei orcharhino
Version 4.0
Ich bin für Sie da.

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