A survey of system configuration tools

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The paradox of choice
The clash of system configuration tools
The clash of system configuration tools
A more peaceful world
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The comparison framework

Repository
sysadmin input
Translation agent
Profile
Profile
Profile
Managed device
Deployment agent
Managed device
Deployment agent
Managed device
Deployment agent

operator

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The comparison framework

The tools

Demo

Remaining challenges
The tools

Open-source
- Bcfg2
- Cfengine3 (commercial version)
- Opscode Chef
- Puppet
- LCFG
- Netomata Config Generator

Commercial
- BMC Bladelogic Server Automation Suite
- CA Network and Systems Management
- IBM Tivoli System Automation for Multiplatforms
- Microsoft Server Center Configuration Manager
- HP Server Automation System
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http://distrinet.cs.kuleuven.be/software/sysconfigtools

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Better abstractions
Adapt to the target audience’s processes

Workflow Redesign

Thomas Delaet, Bart Vanbrabant, Wouter Joosen
Support true integrated management
Become more declarative
Take the CIO’s agenda into account

HOW DO YOU KNOW YOU’RE A CIO?

EVENT DRIVEN VALUE ADDED BUSINESS PROCESSES SERVICE ORIENTED MANAGEMENT ARCHITECTURE

YOU TALK LIKE A GARTNER VP...

... AND ...

... YOU HOPE YOU ARE NOT THE ONLY

geek and poke
Know that a system is software + configuration + data
Conclusion

- No silver bullet
- Make more informed decisions in less time
- Add tools and comments!
Questions?

http://distrinet.cs.kuleuven.be/software/sysconfigtools
Sources

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