

# A survey of system configuration tools

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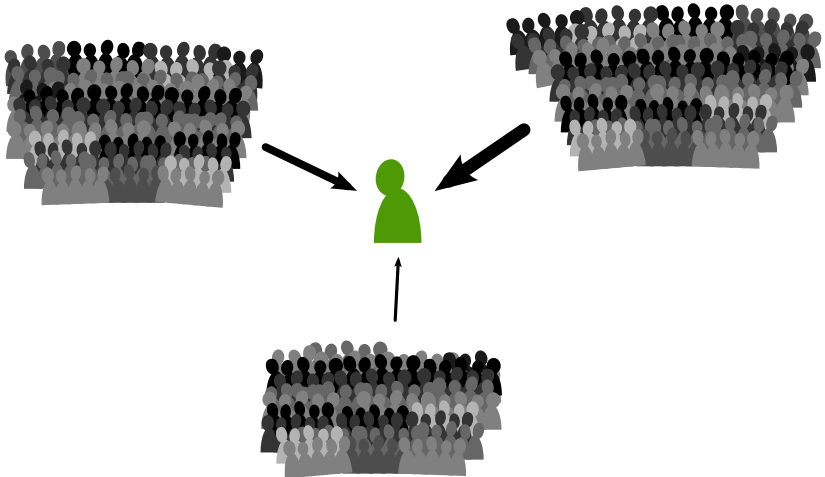
November 10th, 2010



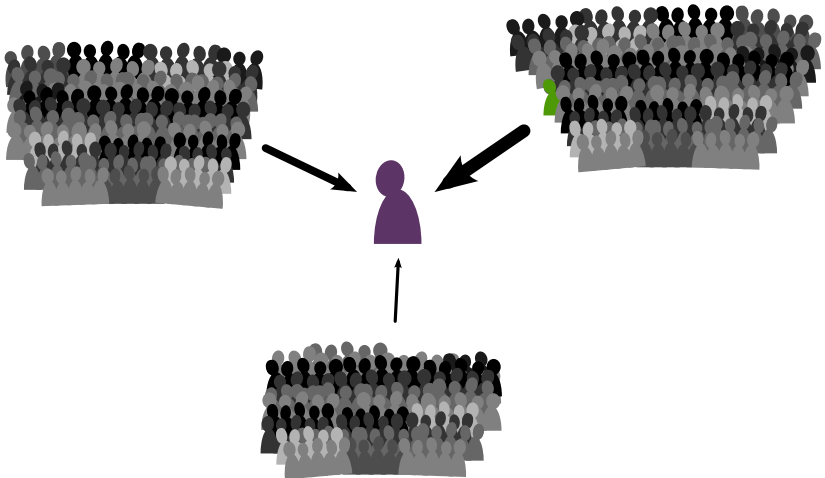
# The paradox of choice



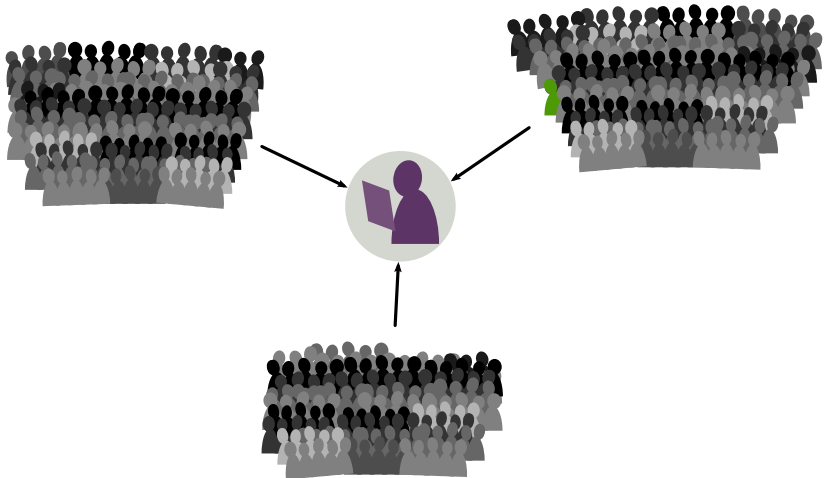
# The clash of system configuration tools



# The clash of system configuration tools



# A more peaceful world



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- 1 The comparison framework
- 2 The tools
- 3 Demo
- 4 Remaining challenges

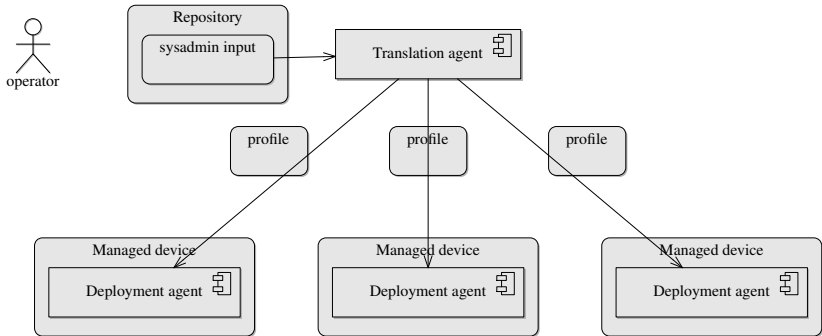


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# The comparison framework





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# 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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# Demo

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

- In depth-evaluations of tools
- Overview table
- Wizard

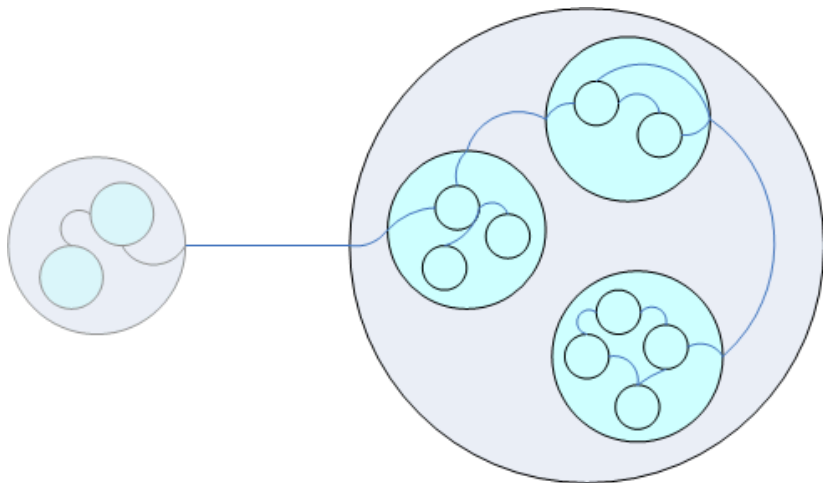


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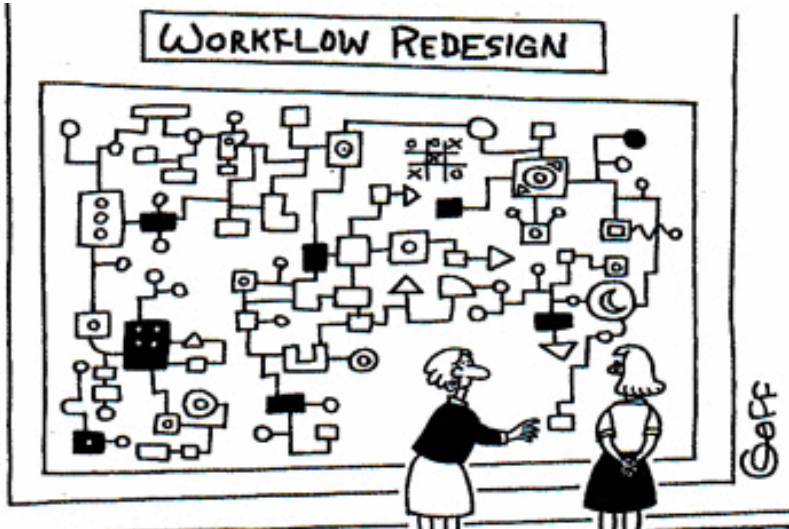
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# Better abstractions



# Adapt to the target audience's processes



# Support true integrated management



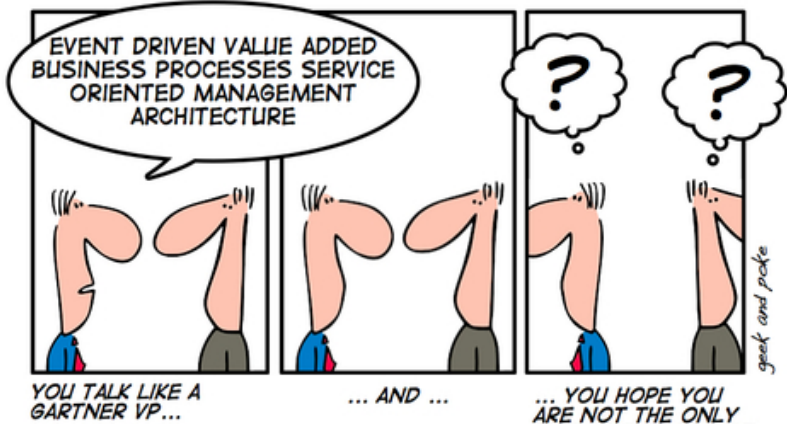


# Become more declarative



# Take the CIO's agenda into account

*HOW DO YOU KNOW YOU'RE A CIO?*



# 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

[http://www.channel4.com/food/images/mb/Channel4/4Food/features/2009/may/20/store\\_psychology/store\\_psychology\\_ahero.jpg](http://www.channel4.com/food/images/mb/Channel4/4Food/features/2009/may/20/store_psychology/store_psychology_ahero.jpg)  
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