Systemkonfiguration mit Puppet

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\$whoami

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- work and live in Rubigen/Berne/Switzerland
- communicate in (swiss)german (pardon the helvetisms), english and french

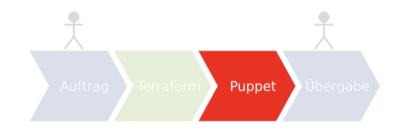
Cirrax GmbH²

- Puppet trainings (from beginner to professional)
- Puppet consultancy and contract work
- Maintain some Opensource puppet modules³
- OpenStack cloud
- Linux and OpenSource consultancy and contract work

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²https://cirrax.com

³https://forge.puppet.com/modules/cirrax



software for configuration management

Software for configuration management:

- puppet⁴
- $ansible^5$
- $CFEngine^{6}$
- $chef^7$
- $salt^8$

Also look at comparison of configuration management software on wikipedia⁹

⁴https://en.wikipedia.org/wiki/Puppet_(software)

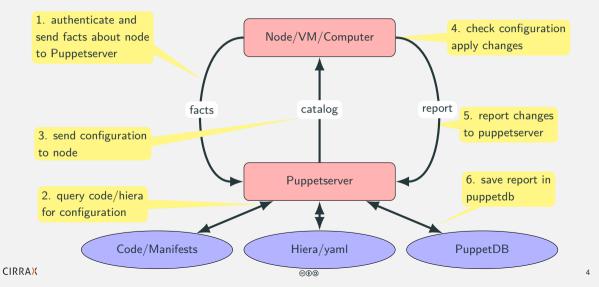
⁵https://en.wikipedia.org/wiki/Ansible_(software)

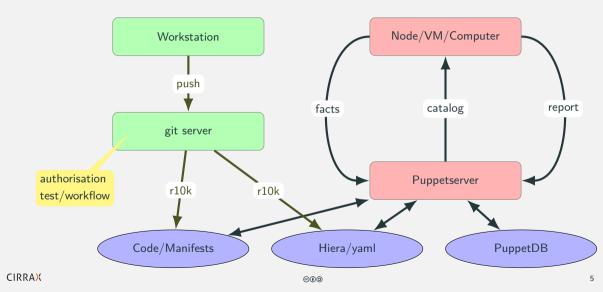
⁶https://en.wikipedia.org/wiki/CFEngine

⁷https://en.wikipedia.org/wiki/Chef_(software)

⁸https://en.wikipedia.org/wiki/Salt_(software)

 $^{^9 {\}rm https://en.wikipedia.org/wiki/Comparison_of_open-source_configuration_management_software}$





- Continuous Integration: disallows manual configuration (will be overwritten)
- Policy as Code/Consistency: equal configuration on each node per role/profile/software
- Compliance: eg. git workflow to ensure four eye principle, encrypted passwords (eyaml)
- Documentation: manifests/hiera in git and you know what you have changed at a certain time
- Automation: eg. new dns resolver, time server etc
- One place for config: new webhost also configures DB, DNS, backup, monitoring ...

but...

- Initial work: needs to be done, can be done step by step
- No manual configuration on node: but that's our goal !
- Orchestration: puppet is weak for node dependencies