

Introduction to Ansible

Lecture 1

Introduction to Ansible as a tool for configuration management

Introduction to Ansible

- Concepts for this lecture
 - Automation tools
 - Modular
 - Client less
 - State, state setting, state keeping
 - Deployment
 - Yaml
 - Ansible Galaxy
 - Authentication
 - Re-usability
 - Inventory
 - CMDB (Configuration Management DataBase)

Introduction to Ansible

- What is ansible
 - Automation tool
 - Written in Python
 - Modular
 - Client less



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Introduktion till Ansible

- How is Ansible used for Config. Management
 - Sets a “State” defined by the user, but doesn’t keep it
 - Good for deployment
 - Easy to make re-usable
 - Playbooks
 - Roles



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- Ansible strengths
 - Light weight
 - Client less
 - Scalable
(withing limits)
 - Yaml as configuration languages
 - Inventory either as static files, or via
modules from 3e party CMDB



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Introduction to Ansible

- Ansible strengths
 - Modular
 - “Easy” to extend with modules of your own
 - Ansible Galaxy to share already existing modules and solutions such as playbook bundles



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- Ansible weaknesses
 - Client less, take longer time
 - Python is "slow"
 - State **setting**, not state **keeping**



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- Ansible weaknesses
 - Yaml is verbose
 - Complex in large environments if you don't plan correctly
 - Authentication more complex than with e.g. SaltStack



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Introduction to Ansible

- A good resource to get started with Ansible
- https://docs.ansible.com/ansible/latest/user_guide/intro_getting_started.html



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- End of today's lecture.
Now over to the practical tasks



ANSIBLE