



ansible@qa-suma

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What is Ansible?

Ansible is a tool used for configuration management, orchestration and application deployment.

Installation

sudo zypper install ansible

(one must have opensuse repo-oss repository activated for that)

ansible cli examples:

Syntax: ansible <target*> <module> <args/options>

***target - could be a single or a group of machines**

ansible 192.168.122.208 -m ping -i inventory -u root

ansible all -raw "ls -alh" -i inventory -u root -k

ansible workers -raw "zypper lr -puU" -i inventory -u root

#useful to make mistakes

ansible all -m ping -a "blah" -i inventory -u root

#run a script on remote machine(s) [given that you have copied the script on all remote machines]

ansible 192.168.122.208 -m script -a "script.sh" -u root -i inventory

Config files

/etc/ansible/hosts

/etc/ansible/

inventory (file)

playbook.yaml

ansible playbooks

Syntax-related key takeaways:

- **hosts: [ip, group tag]** = remote host(s) on which the orchestration will be executed

gather_facts: True/False = gathers remote host(s) details; full facts json is huge and contains lots of info regarding the remote machine;

remote_user: [user] = user@<remote.machine> in the ssh command

become: True/False = if the playbook will be ran as another user

become_user: [postgres] = if become: True, then that is equal to sudo -u postgres <command>

tasks:

- **name: hello world task**

ansible playbooks

Syntax-related key takeaways:

tasks:

- **name: hello world task**
shell/raw/command: zypper ref

register: zypper_ref_output - we just created a variable related to this ran command

- **debug:**
var: zypper_ref_output.stdout_lines

Additional places to check:

<https://github.com/ansible/ansible>

https://docs.ansible.com/ansible/latest/user_guide/intro_getting_started.html

<https://www.tutorialspoint.com/ansible/index.htm>

(what tutorial I've learned)

<https://www.udemy.com/course/learning-path-automation-with-ansible-puppet-and-salt>