Introduction to Ansible

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whoami

- System engineering is my daily job

- I automate boring stuff, Ansible is a joy to work with

- A proud member of illumos community

- @xen0l on Twitter

Little survey

What is Ansible?

- Task executioner

- Software deployment

- Configuration management

- Automation framework

What can you automate?

- Installation and service configuration

- Code deployment

- Provisioning

- Image creation

Why is it easy?

- Easy to read, write and share playbook

- Thousands of modules

- Great documentation and community

- You only need SSH server, no agents pre-installed required

Inventories

- List of hosts Ansible manages

- Can be static and dynamic

Tasks

- - name: Install nginx web server

-   yum: name=nginx state=installed

Playbook

- Contains one or more "plays"

- Written in YAML

- Executed in the order it is written

Modules

- Ansible has tons of modules (written in Python)

- High chance that there exists a module you need

- Idempotence

Roles

- Set of reusable tasks, variables and templates

- Included in playbooks

- Ansible Galaxy

DEMO

Summary

- Ansible changed a way how I manage my servers and do code deployment

- I automated repetitive tasks to be more productive