

# Ansible on arch 101

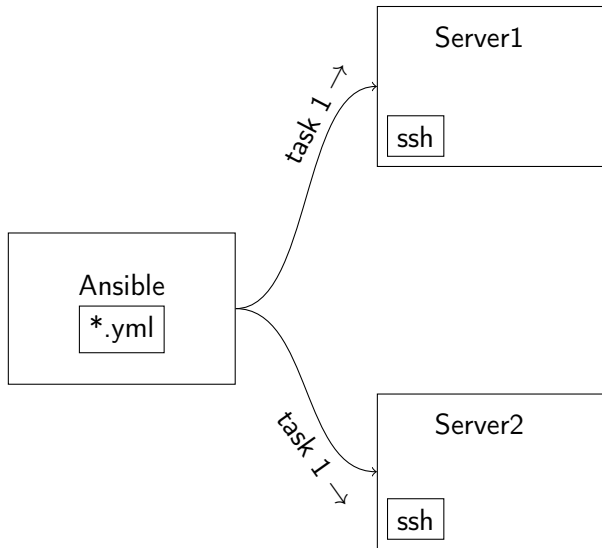
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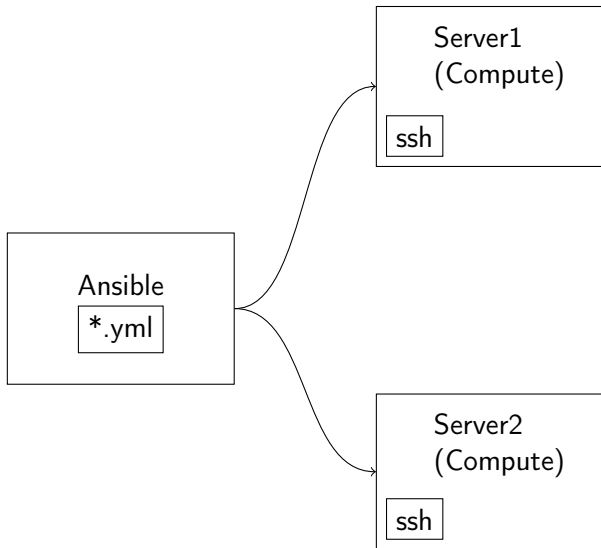
# Why Ansible?

	Puppet	Chef	Ansible
Architecture	Server & Agent	Server & Agent	Workstation
Security	Certificates(PKI)	Certificates(PKI)	SSH
Language	DSL	Ruby	DSL
Extension	Ruby	Ruby	Python
Push/Pull	Pull	Pull	Push

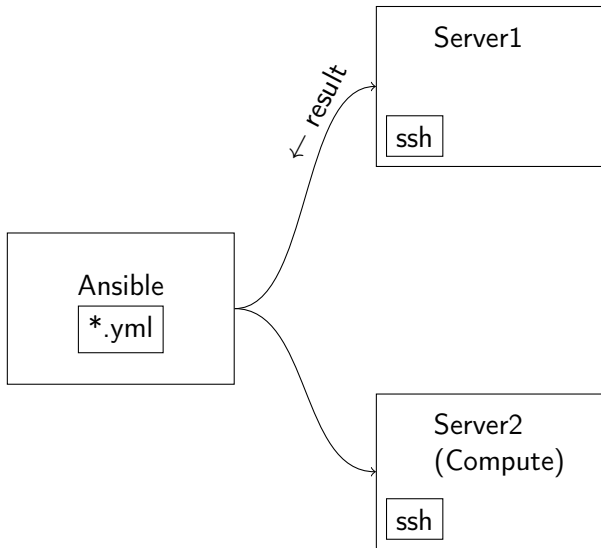
# How it works



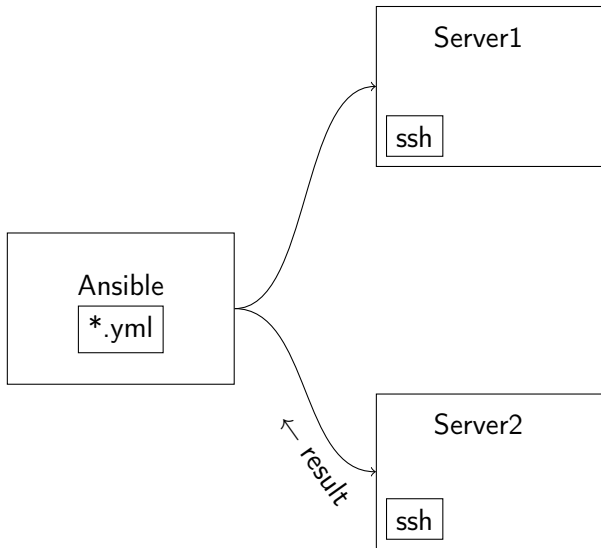
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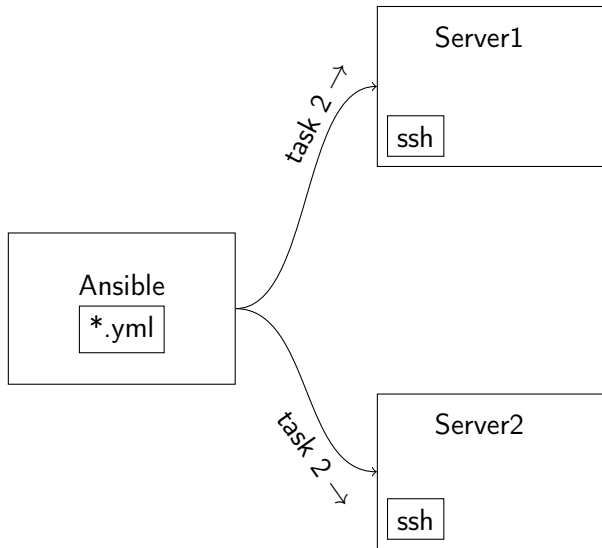
# How it works



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# How it works



## For archlinux ?

```
/etc/ansible/hosts or -i filename
```

```
[webservers]
```

```
foo1.arkena.test ansible_python_interpreter=python2
```

```
foo2.arkena.test # not an archlinux based server
```

```
[dbservers]
```

```
bar.arkena.test  ansible_python_interpreter=python2
```

AND

```
Dependencies
```

```
pacman -S python2
```



specific task

```
pacman: name={package} state={absent|present|latest}
```

## specific task

```
pacman: name={package} state={absent|present|latest}
```

## Some problems

- Can't pass package file like other package manager in ansible
- Group install make change (orange color) every time

# AUR helper with ansible

```
- git:
  repo: https://aur.archlinux.org/{{package_name}}.git
  dest: >
    /tmp/{{ lookup('pipe',
    'tr -dc A-Za-z0-9 < /dev/urandom | head -c${1:-8};echo;')} }}
  register: git_clone

- shell: >
  . ./PKGBUILD; echo "${makedepends[@]}"
  | xargs pacman -Sy --asdeps --needed --noconfirm;
  chmod 777 .
  args:
    chdir: '{{ git_clone.invocation.module_complex_args.dest}}'

- command: makepkg
  become: yes
  become_user: nobody
  args:
    chdir: '{{ git_clone.invocation.module_complex_args.dest}}'

- command: 'ls -l'
  register: file_list
  args:
    chdir: '{{ git_clone.invocation.module_complex_args.dest}}'

- command: >
  pacman -U --noconfirm
  {% for pkg in file_list.stdout_lines if pkg|match('.*pkg\.tar\.xz') %}
  {{ pkg }} {% endfor %}
  args:
    chdir: '{{ git_clone.invocation.module_complex_args.dest}}'
```

- Jenkins
- Buildbot
- ...

Questions!?