Ansible modules cheatsheet

Basic file

```
---
- hosts: production
  remote_user: root
  tasks:
  - ...
```

Place your modules inside `tasks`.

Task formats

One-line

```
- apt: pkg=vim state=present
```

Map

```
- apt:
    pkg: vim
    state: present
```

Foldable scalar

```
- apt: >
    pkg=vim
    state=present
```

Define your tasks in any of these formats. One-line format is preferred for short
declarations, while maps are preferred for longer.

Modules

Aptitude

Packages

git

```
- git:
    repo: git://github.com/
```

```
- apt:
    pkg: nodejs
    state: present # absent | latest
    update_cache: yes
    force: no
```

Deb files

```
- apt:
    deb: "https://packages.erlang-solutions.com/erlang-solutions_1.0_all.del
```

Repositories

```
- apt_repository:
    repo: "deb https://··· raring main"
    state: present
```

Repository keys

```
- apt_key:
    id: AC40B2F7
    url: "http://···"
    state: present
```

service

```
- service:
    name: nginx
    state: started
    enabled: yes    # optional
```

See: service module

```
    dest: /srv/checkout
    version: master
    depth: 10
    bare: yes
```

See: git module

git_config

```
- git_config:
    name: user.email
    scope: global # local | system
    value: hi@example.com
```

See: git_config module

user

```
- user:
    state: present
    name: git
    system: yes
    shell: /bin/sh
    groups: admin
    comment: "Git Version Control"
```

See: user module

Shell

shell

```
- shell: apt-get install nginx -y
```

Extra options

script

```
- script: /x/y/script.sh
  args:
    creates: /path/file  # skip if this exists
```

```
- shell: echo hello
  args:
    creates: /path/file  # skip if this exists
    removes: /path/file  # skip if this is missing
    chdir: /path         # cd here before running
```

Multiline example

```
- shell: |
    echo "hello there"
    echo "multiple lines"
```

See: shell module

```
    removes: /path/file  # skip if this is missing
    chdir: /path         # cd here before running
```

See: script module

Files

file

```
- file:
    path: /etc/dir
    state: directory # file | link | hard | touch | absent

    # Optional:
    owner: bin
    group: wheel
    mode: 0644
    recurse: yes  # mkdir -p
    force: yes    # ln -nfs
```

See: file module

copy

```
- copy:
    src: /app/config/nginx.conf
    dest: /etc/nginx/nginx.conf

    # Optional:
    owner: user
    group: user
    mode: 0644
    backup: yes
```

See: copy module

template

```
- template:
    src: config/redis.j2
    dest: /etc/redis.conf

    # Optional:
    owner: user
    group: user
```

```
    mode: 0644
    backup: yes
```

See: template module

Local actions

local_action

```
- name: do something locally
  local_action: shell echo hello
```
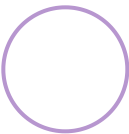
debug

```
- debug:
    msg: "Hello {{ var }}"
```

See: debug module

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