SyncopatedIaC

The User Manual

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1 roles

the roles and what they do...

2 the base role

this is where all the magic happens

3 Introduction

The "Syncopatedlac" project is an Infrastructure as Code (IaC) solution that uses Ansible to configure and maintain Linux-based hosts for an Audio Production Studio. The project consists of a set of

roles that define the desired state of the infrastructure, including the software packages, services, and configurations required for an audio production environment.



4 variables

4.0.1 group_vars

all.yml - variables applied to all hosts
server.yml - variables applied to hosts in the server group
workstation.yml - variables applied to hosts in workstation group

4.0.2 host_vars

variables for individual hosts

4.0.3 vars

vars/{{ distro }}/packages.yml - package lists
var/stheme.yml - theme variables

4.0.4 Role Variables

defaults/main.yml

- These variables are intended to provide default values that can be overridden by the user or in other levels of precedence.
- Role defaults are automatically loaded by Ansible, and their values serve as the default configuration for the role.
- If a variable is not defined elsewhere in the playbook, Ansible will use the value specified in the role defaults.

vars/main.yml

- These variables are meant to be set by the user or in the playbook to customize the behavior of the role.
- Role variables take precedence over role defaults. If the same variable is defined in both role defaults and role variables, the value from role variables will be used.
- Role variables allow users to customize the role without modifying the role's default behavior.

5 Environment Profile

5.1 global envrionment

- /etc/profile initializes variables for login shells *only*.
- -

Templates that comprise a user profile are used in several roles.

5.2 bash

```
- .bash_logout
- .bashrc
```

5.3 base

5.4 desktop

```
roles/desktop/templates/etc/skel

└─ .config

├─ dunst
```

```
└─ dunstrc.j2
 picom
 picom.conf.j2
- rofi
   - colors
     — adapta.rasi.j2
      — arc.rasi.j2
      — black.rasi.j2
      — catppuccin.rasi.j2
      — cyberpunk.rasi.j2
      — dracula.rasi.j2
      — everforest.rasi.j2
     — gruvbox.rasi.j2
       - lovelace.rasi.j2
       navy.rasi.j2
       - nord.rasi.j2
      — onedark.rasi.j2
      — paper.rasi.j2
      — solarized.rasi.j2
       tokyonight.rasi.j2
     └─ yousai.rasi.j2
   config.rasi.j2
   - file-browser
   - gruvbox-common.rasi.j2
   - gruvbox-dark-hard.rasi.j2
   - launchers
       — type-1
          — shared
             — colors.rasi.j2
             fonts.rasi.j2
           - style-10.rasi.j2
           - style-8.rasi.j2
        - type-4
           - launcher.sh.j2
           shared
             — colors.rasi.j2
             └─ fonts.rasi.j2
           - style-6.rasi.j2
```

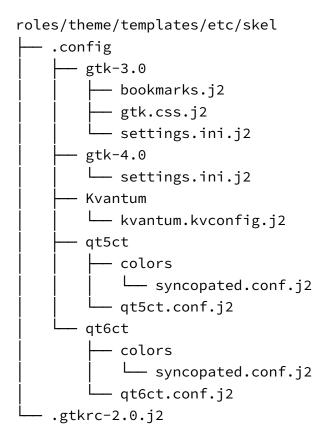
5.5 i3

```
roles/i3/templates/etc/skel
L__.config
    — dunst
        └─ dunstrc.j2
     — i3
        - appearance.j2
         - autostart.j2
          - config.j2
          – keybindings.j2
         - modes
           └─ resize.j2
         — window_assignments.j2
         — window_behavior.j2
      - i3status-rust
         - config.toml.j2
         — themes
            └─ syncopated.toml.j2
       picom
        └─ picom.conf.j2
```

5.6 terminal

```
roles/terminal/templates/etc/skel
.config
alacritty
alacritty.yml.j2
```

5.7 theme



5.8 xorg

```
roles/xorg/templates/etc/skel
    .xinitrc.j2
```

SyncopatedIaC

```
.xprofile.j2
.Xresources.j2
.xserverrc.j2
```

5.9 **zsh**

```
roles/zsh/templates/etc/skel
    .zprofile.j2
    .zshenv.j2
    .zshrc.j2
```