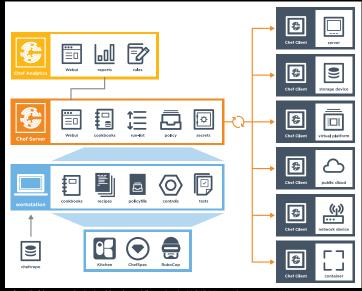
# Configuration management tools

# Optimized for huge systems



Image by NeoSpire, licensed under CC-BY 2.0, source: https://www.flickr.com/photos/neospire/3595638270/

# So they become huge systems themselves



# My use-case is small



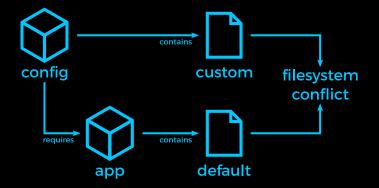
# management

Minimalistic configuration

## Use the package manager!

- list desired apps/daemons as dependencies
- put configuration files in the package
- setup users, groups, etc. in the post-install script

#### Limitations

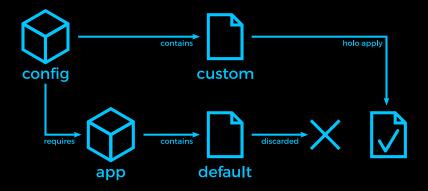


- File conflicts (as shown above)
- Detection of manual changes



Holo builds on the package management of your Linux system and adds a minimal set of additional features to manage your system's configuration.

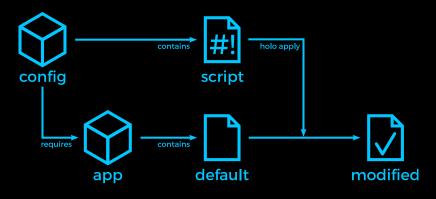
#### Resolve file conflicts



# holo apply /etc/sudoers

```
Working on /etc/sudoers
store at /var/lib/holo/files/base/etc/sudoers
apply /usr/share/holo/files/50-config/etc/sudoers
```

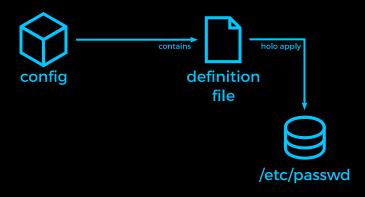
### Modify default configurations



# holo apply /etc/sudoers

```
Working on /etc/sudoers
  store at /var/lib/holo/files/base/etc/sudoers
  passthru /usr/share/holo/files/50-config/etc/sudoers.holoscript
```

#### Provision user accounts



# holo apply user:stefan

Working on user:stefan

found in /usr/share/holo/users-groups/50-example.toml with login group: users, login shell: /bin/zsh

## **Detect manual changes**

```
# echo "PasswordAuthentication yes" >> /etc/ssh/sshd_config
# holo diff /etc/ssh/sshd config
diff --git a/etc/ssh/sshd config b/etc/ssh/sshd config
--- a/etc/ssh/sshd config
+++ b/etc/ssh/sshd config
@@ -146.3 +146.4 @@
 Ciphers chacha20-poly1305@openssh.com,...
MACs hmac-sha2-512-etm@openssh.com,...
+PasswordAuthentication yes
# holo apply --force /etc/ssh/sshd_config
```

#### Check it out!



https://github.com/holocm/holo https://twitter.com/holocm http://holocm.org

#### **Contribution opportunities:**

- build a Holo package for your distribution
- develop new plugins