Reggae

Cool way of managing jails/VMs on FreeBSD

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- FreeBSD user since 2016
- CBSD contributor
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Similar Tools

- Vagrant
- Docker compose
- CBSDFile
Concept

- CBSD
- Service
- Project
- Provisioners
- IPv4 & IPv6
Technologies

- DHCP
- RTADVD
- NSD
- Unbound
- PF
- Make
- POSIX shell
- ZFS and UFS
Provisioners

- Shell
- Ansible
- Puppet
- Chef
- Salt Stack
What it brings

- Network initialization
- CBSD initialization
- Master jail (DHCP+DNS)
- Late per-jail PF anchors
- Prod vs Dev
What it brings

- Support for devfs
- Boot order
- PKG proxy
- Support for X
- Jail and bhyve
Development

▶ Turn off autostart
▶ Share service dir via nullfs
▶ The ‘devel‘ user and make target
▶ Frameworks support (Freenit)
Production

- Turn on autostart
- The ‘devel’ user is cleared
- Export/import with rename
Example

```bash
mkdir myproject
cd myproject
reggae project-init
mkdir -p services/backend
cd services/backend
reggae init ansible
```
Dependencies in Project

USE = mysql wordpress nginx
github.com/mekanix/comms
The Future

- Documentation
- jail.conf
- Kubernetes
Thank you!

- Tilda Center
- FreeBSD community
- CBSD/Oleg
Questions?

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▶ mail/XMPP: meka@tilda.center
▶ mastodon: @meka@bsd.network
▶ slides: github/mekanix/presentations