Lifecycle-Management with The Foreman

An Introduction

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"Foreman is a complete lifecycle management tool for physical and virtual servers. We give system administrators the power to easily automate repetitive tasks, quickly deploy applications, and proactively manage servers, on-premise or in the cloud."
Foreman

→ Life Cycle Management?

- Provision
- Operate
- Demolish
Provisioning – Where to?

- Bare Metal
- VMs
  - AWS
  - Digitalocean
  - VMWare
  - Google
  - Libvirt
  - OpenStack
  - Rackspace
  - oVirt
  - Docker
  - Xen
  - Azure
  - ...

[Diagram showing server and container icons]
Provisioning

- PXE
  - Kickstart
  - Preseed
  - AutoYast

- Image
  - Cloning
  - user-data (cloudinit)
  - SSH

- ISO Bootdisk
  - PXE-less Discovery
Orchestration

- DNS
- DHCP
- Config Management
Configuration

- Puppet
- Chef
- Salt
- Ansible
Monitoring

- Reports
- Facts
- Charts
Enterprise

- LDAP
- ACL
- Organizations / Locations
Interfaces

- Foreman
  - GUI
  - CLI
  - API

- Smart Proxy
  - REST
DEMO