



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?



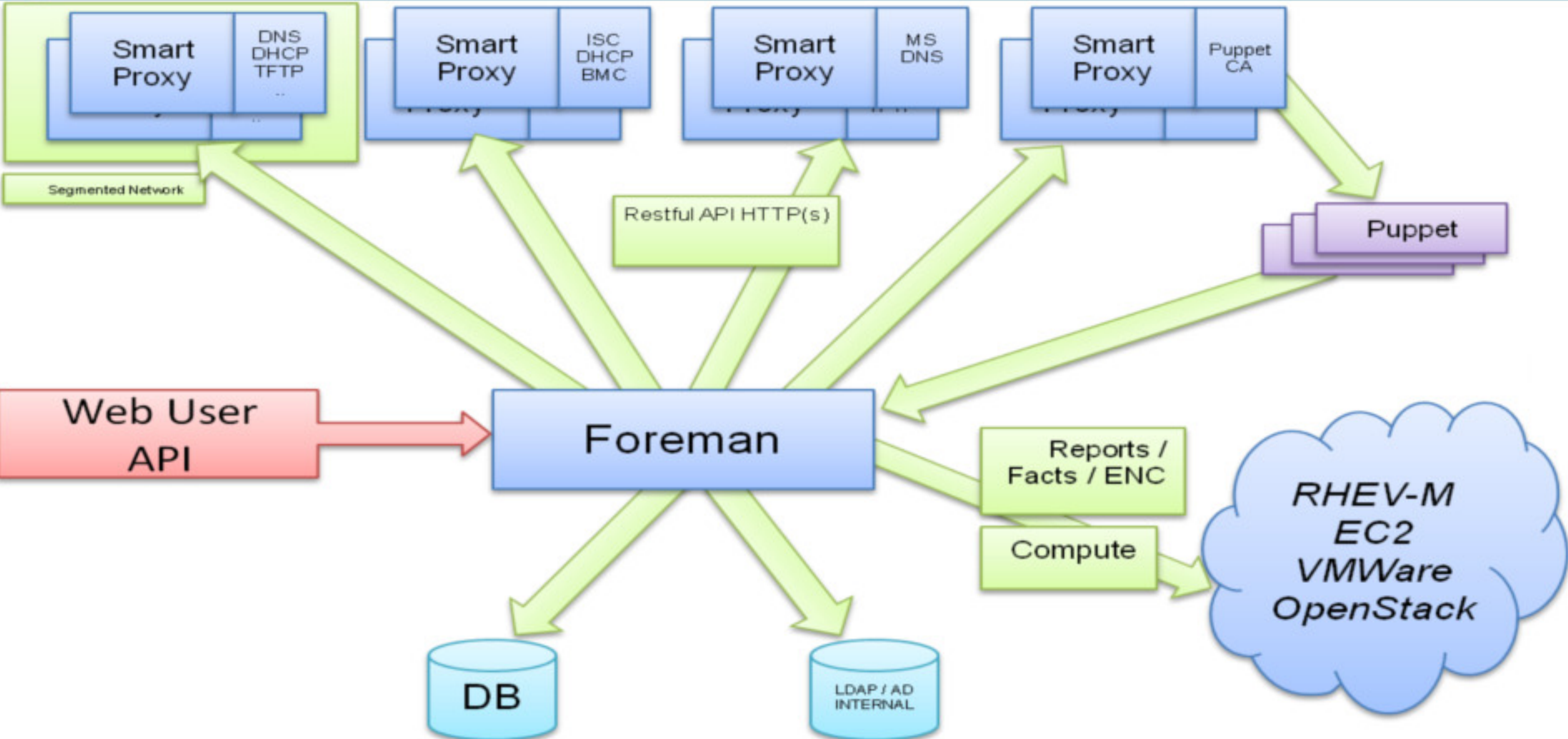
Provision



Operate



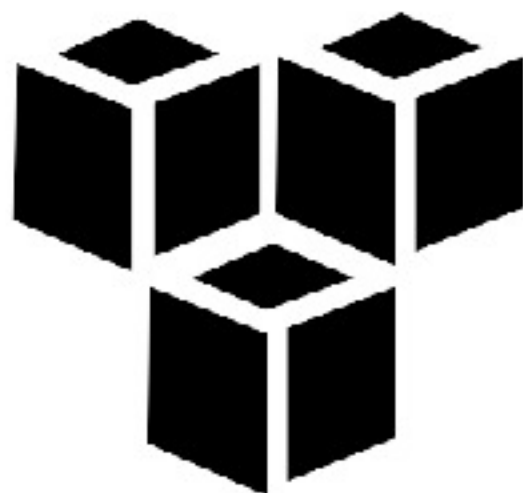
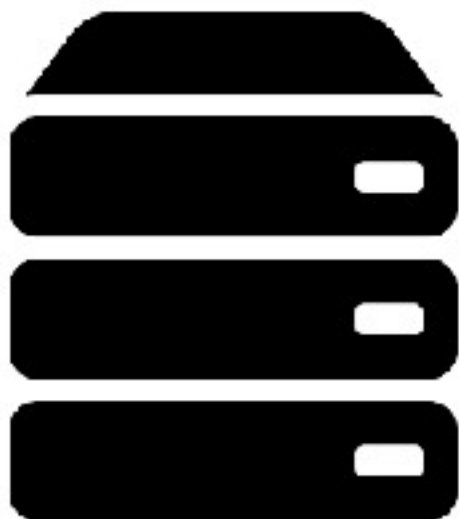
Demolish





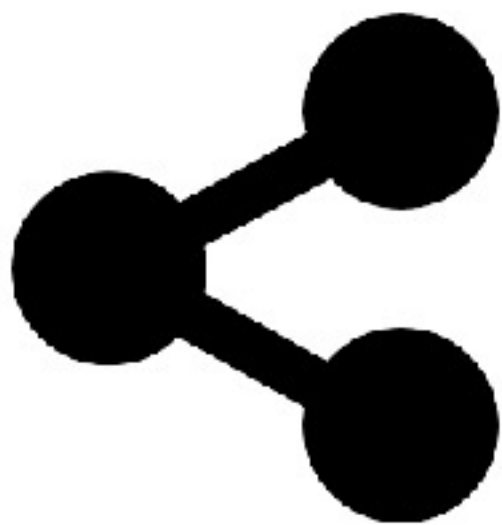
Provisioning – Where to?

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

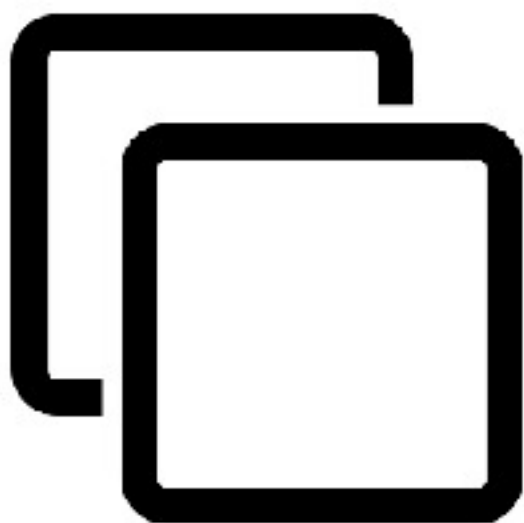




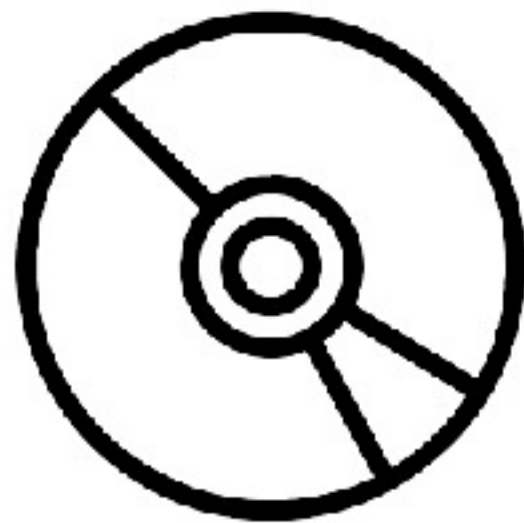
Provisioning



- PXE
 - Kickstart
 - Preseed
 - AutoYast



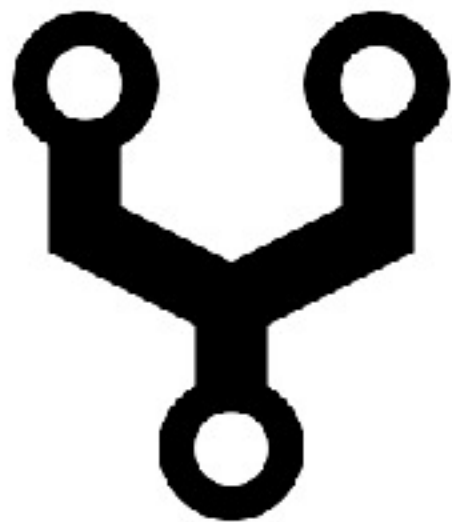
- Image
 - Cloning
 - user-data (cloudinit)
 - SSH



- ISO Bootdisk
- PXE-less Discovery



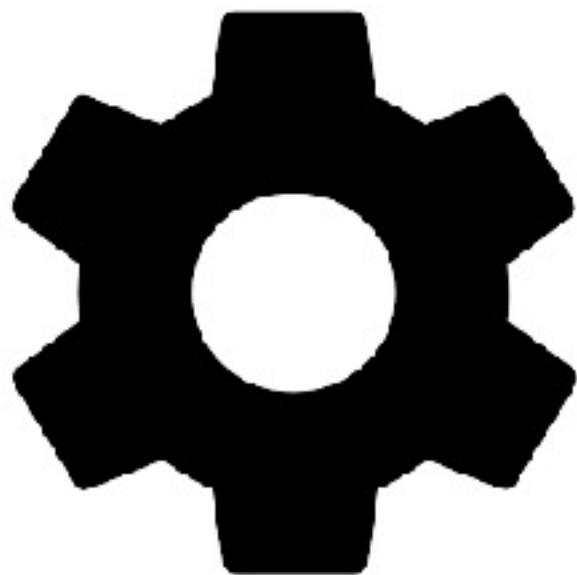
Orchestration



- DNS
- DHCP
- Config Management



Configuration



- Puppet
- Chef
- Salt
- Ansible



Monitoring

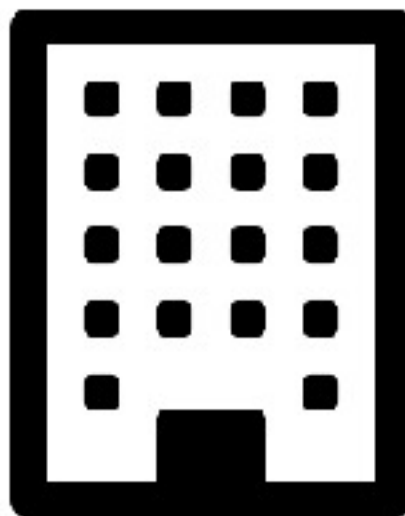


- Reports
- Facts
- Charts



Enterprise

- LDAP
- ACL
- Organizations / Locations





Interfaces

- Foreman
 - GUI
 - CLI
 - API

- Smart Proxy
 - REST





DEMO