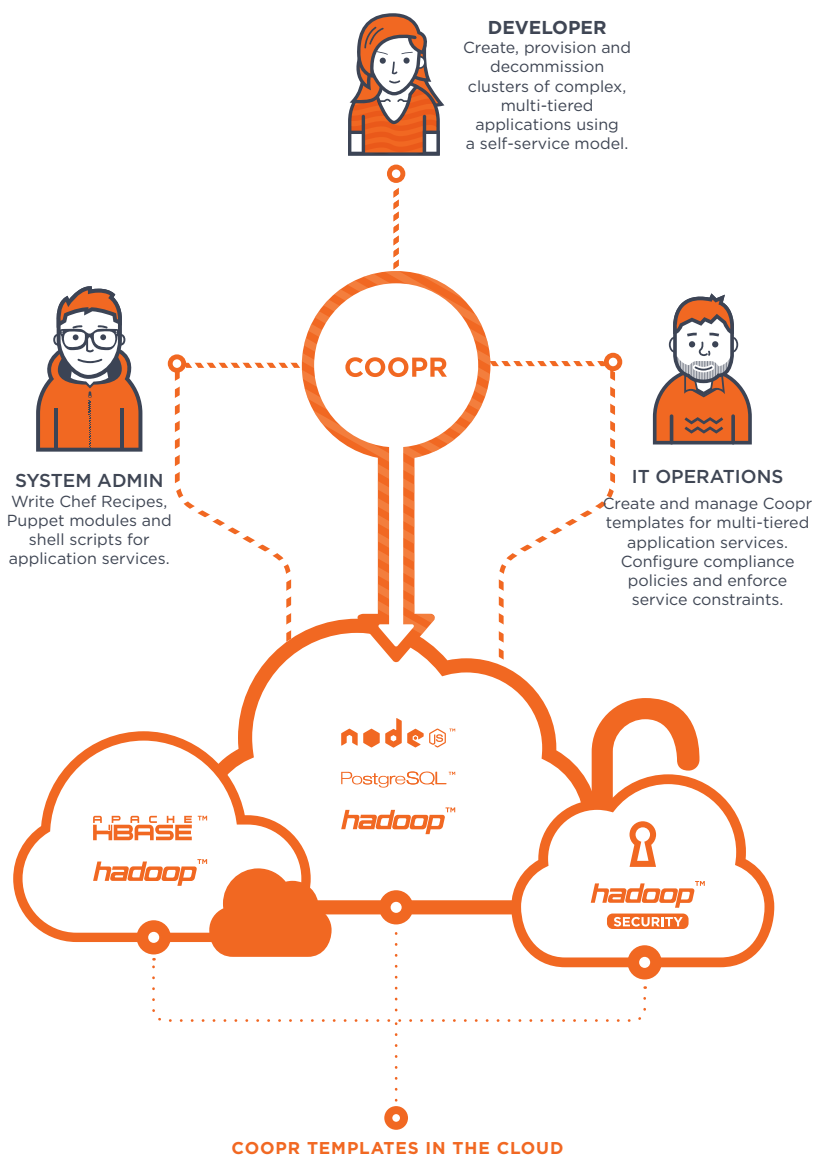




Cask CoopR is an open source template-based cluster management solution that provisions, manages and scales clusters for multi-tiered application stacks on public and private clouds.



Features

Simplicity

- Admin UI to create and manage configuration
- Pre-defined templates for clusters (e.g. Hadoop, LAMP)
- Self-service user interface to create clusters
- Versioning support of cluster resources for easy rollback

Versatility

- Scalability to hundreds of clusters
- Create custom cluster types ranging from Hadoop and LAMP to MongoDB clusters.
- Packaged providers for Amazon, Google Compute, Rackspace, Joyent & Openstack
- Available as Standalone, VM, Docker and Distributed

Extensibility

- RESTful APIs, JSON response format
- Pluggable automation and provider platform
- Cluster Lifecycle hooks to integrate with notification and other cluster management systems

Automation

- Automatic service placement and cluster layout management

Benefits

Flexibility:

- Deploy a variety of multi-tiered application stacks in the cloud or on-premise, to bare OS, VMM or container

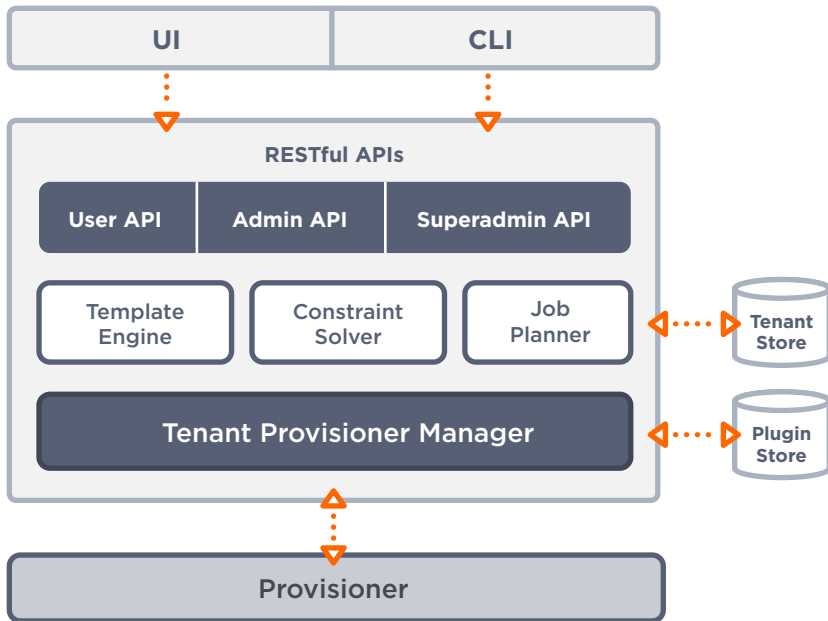
Reduced IT overhead:

- Distributed clusters become self-service for developers, with limited resources required from IT admins

Self-service without compromise:

- IT administrators control templates ensuring security, consistency and efficient resource utilization

Coopr Architecture



Server

- The Server is responsible for managing tenants, clusters, and provisioner resources. It exposes web services for adding and managing providers, services, and cluster templates for use by users. The server includes a solver, responsible for applying templates and user specified properties to a valid cluster. It also includes a planner, responsible for scheduling and coordinating tasks to build working clusters

Provisioner

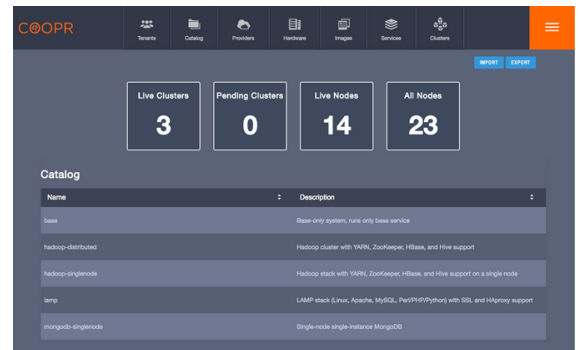
- Provisioners are responsible for executing tasks planned by the Server, such as the creation of nodes, installation of services, and configuration of services. Provisioners support a pluggable architecture for integrating different infrastructure providers (e.g. OpenStack, Rackspace, Amazon Web Services, Google App Engine, and Joyent) and automators (e.g. Chef, Puppet, Shell scripts).

Web UI

- Coopr Web UI exposes two major functions: an Admin view and a User view. The Admin view allows system administrators or server administrators to configure providers, disk images, machine hardware types, and software services. The UI also supports the construction of cluster templates that can be accessed and executed by users.

Templates

- Cluster templates are blueprints that administrators expose to their users that enable the users to instantiate clusters. Several templates are prepackaged with Coopr, but additional templates can be created and shared by users.



Product options	Coopr Free	Coopr Cloud	Coopr Enterprise
Based 100% on open source Coopr under Apache license	✓	✓	✓
Pricing model	Free/Unlimited use	Free/Unlimited use Pay only for your cloud instance	Annual subscription based on node / hour
Single click provisioning of Hadoop and other clusters based on menu of templates	✓	✓	✓
Support for on premise, local cloud, or public cloud provisioning	✓	Cloud Only	✓
Access to Coopr templates	✓	✓	✓
Included support	Community support	Community support	24x7 Support portal and knowledge base 8x5 Live support 1 day response
Custom support options	●	●	✓
Deployment	Download, install, run	Sign in to coo.pr, select cloud, run	Download, install, run
Updates: Maintenance releases, patches	Notification	Maintained by Cask	Updates installed by Cask
Indemnity	●	●	✓

Getting started options

Coopr Standalone

Deploy a complete Coopr environment including UI, Server and provisioner on a single node or laptop
 Native requires Java, Ruby and Node.js.
 VM requires OVA compliant VMM
 Linux container requires Docker

Coopr Distributed

Deploy Debian and RPM packages for UI, server, and provisioners in multi-node clusters
 Requires Java, Node.js

Coopr Cloud (<http://coo.pr>)

Create multi-tier CDAP, Hadoop, LAMP, or MongoDB clusters with a service provider of your choice
 Coopr Cloud requires only your browser

Download from <http://cask.co/downloads/#coopr>