PackOne Developer and User Manual

Introduction

Each module consists of serveral CURD functios for a corresponding type of cloud resources. Each CURD function can either be played via Web UI or API calls in the form of *curl CMD Line*:

curl http://*api -url* -D *<form>*
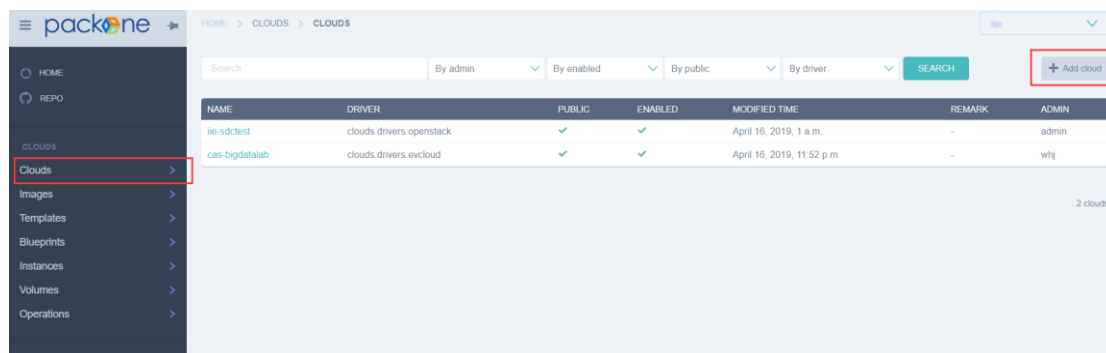
Such commands send the CURD operation of the relevant cloud resources to the PackOne server.

Cloud management

1. Cloud platform (Cloud)

Click the "Clouds" option in the list on the left to enter the cloud platform access management page;

Click "Add Cloud" button in the upper right corner of the cloud platform list on the right to add a cloud platform.

RESTFul API: " http://106.74.18.46/api/clouds/clouds/ "

2. Image

Click "Images" option in the list on the left to enter the image management page;
Click the "Add Image " button in the upper right corner of the image list to add an image.
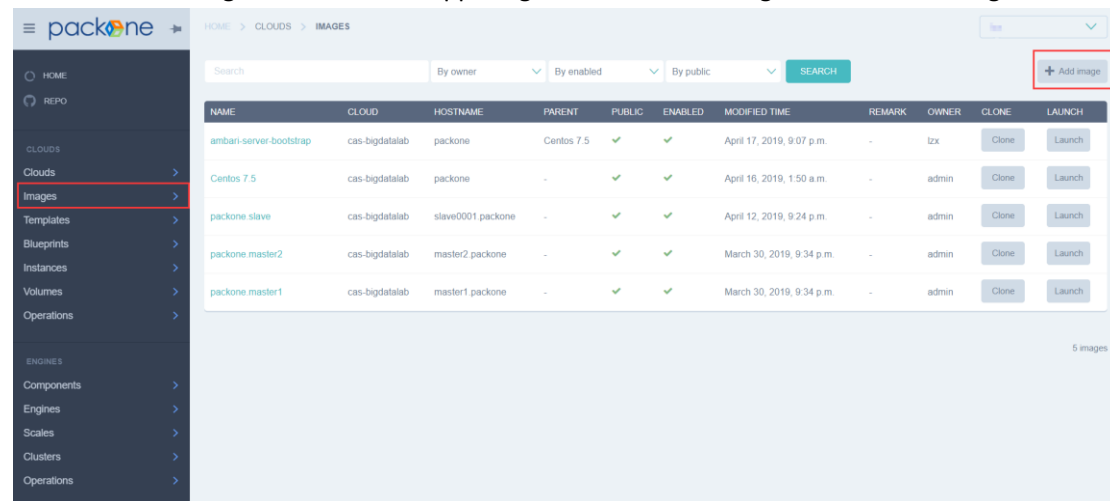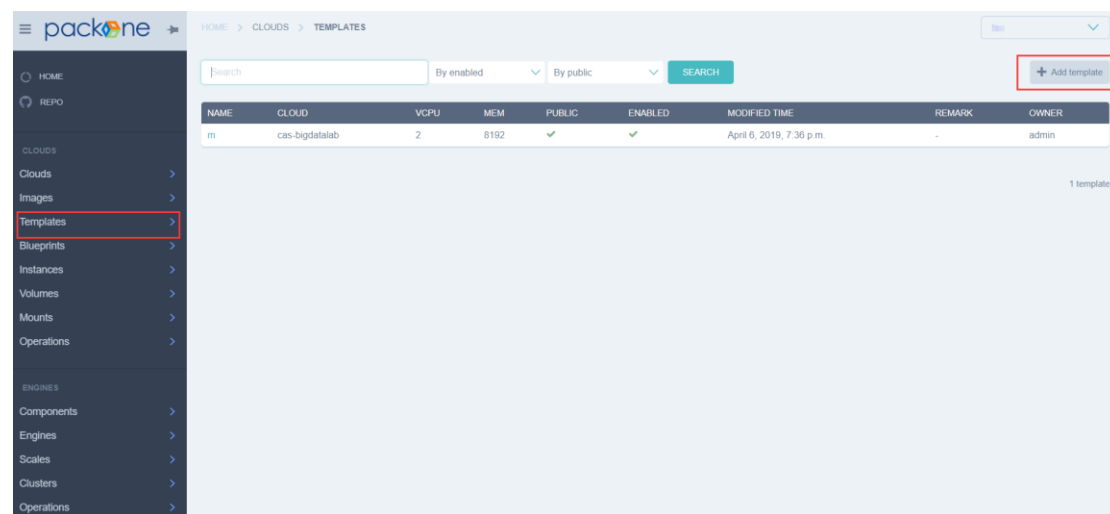

Form field description:

Name	Image name
Cloud	Cloud platform (the content is the cloud platform list in the clouds management list)
Actual ID on the cloud	The actual ID of the image in the cloud platform
Hostname	Host Name of the instance to be created
Parent	Parent image (if this image is created based on other images, you need to select the image to be based on here)
remedy script	sh script to be executed on the instance after the instance is created with this image)
Public	Is it for public use?
Enabled	Is it effective?
Remark	Remarks

RESTFul API: " http://106.74.18.46/api/clouds/images/ "

3. Template

Click "Templates" option in the list on the left to enter the template management page;
Click "Add" in the upper right corner of the template list template" button to add resource configuration templates for your own Cloud.
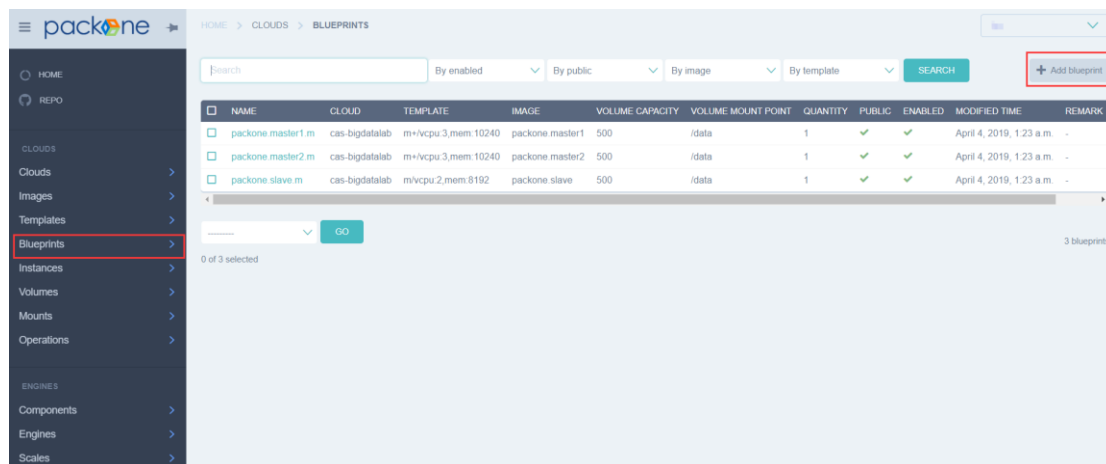

Form field description:

Name	Template name
Cloud	Cloud platform (*Note: Templates can only be added to cloud platforms with administrative rights)
Actual ID on the cloud	Template identification on the corresponding cloud platform
Vcpu	cpu cores
Mem	Memory size (unit: MB)
remedy script	fix script
Public	Is it for public use?
Enabled	Is it effective?
Remark	Remark

RESTFul API: " http://106.74.18.46/api/clouds/instancetemplates/ "

4.   Blueprint

Click the "Blueprints" option in the list on the left to enter the blueprint management page;
Click "Add" in the upper right corner of the instance list blueprint" button to add a blueprint.
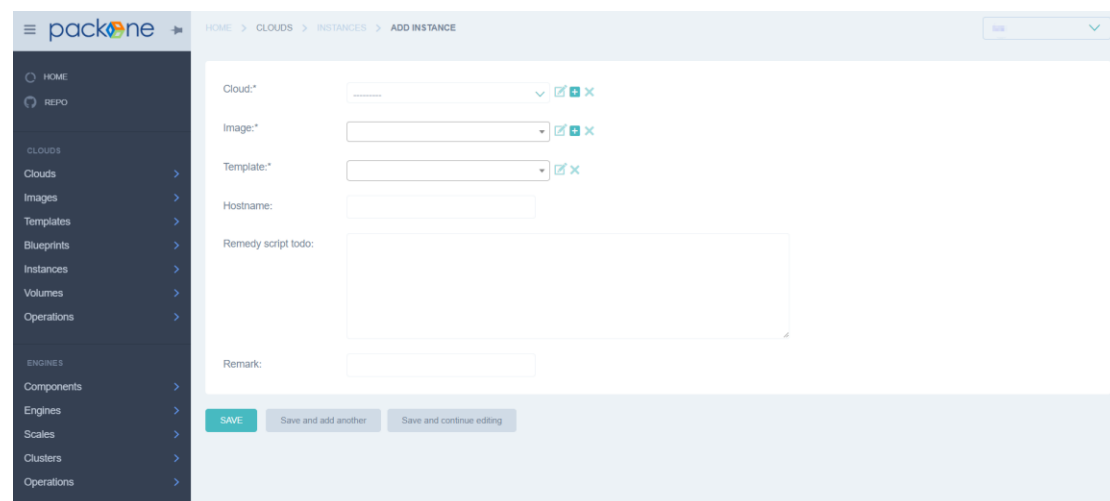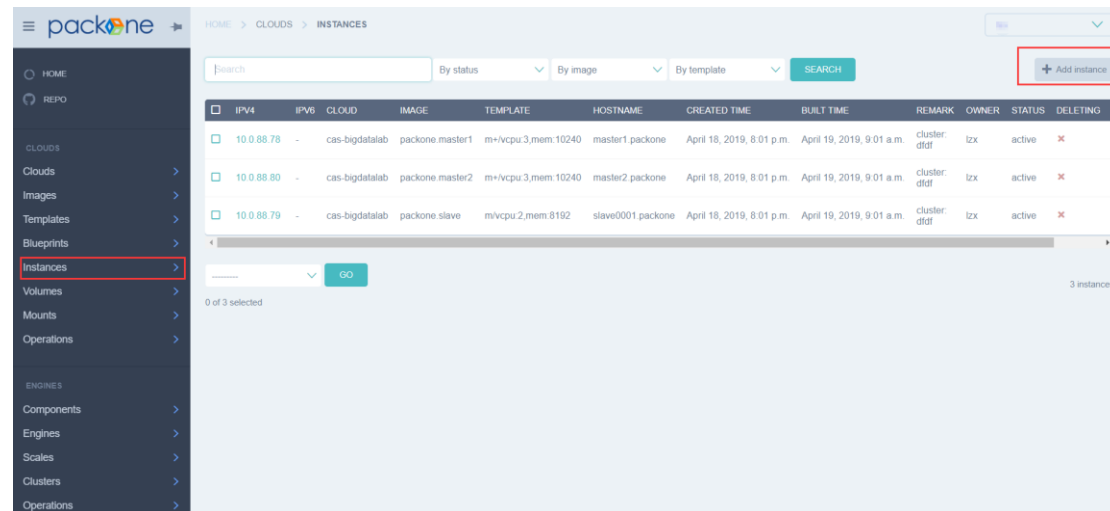

Form field description:

Name _	name
Cloud	cloud platform
Template	template
Image	mirror
Volume capacity	Cloud disk capacity
Volume mount point	The mount point of the cloud disk in the system (default / data path)
Quantity	Number of instances included
remedy script	fix script
Public _	Is it public?
Enabled	Is it effective?
Remark	Remark

RESTFul API: " http://106.74.18.46/api/clouds/instanceblueprints/ "

5. Cloud VM (Instance)

Click the "Instances" option in the list on the left to enter the instance management page;

Click "Add" in the upper right corner of the instance list instance" button to add an instance.

Form field description:

Cloud	cloud platform
Image	Create the image used by the instance
Template	Templates used to create instances (configuration information for computing and storage resources)
Hostname	Specify HostName for the instance
Remedy script todo	sh script to be executed on this instance
Remark	Remarks

RESTFul API: " http://106.74.18.46/api/clouds/instances/ "

6. Cloud disk (Volume)

Click the "Volumes" option in the list on the left to enter the cloud disk management page;

Click "Add" in the upper right corner of the cloud disk list volume" button to add a cloud disk.

Form field description:

Cloud	cloud platform
Capacity	Disk capacity (unit: GB)
Remark	Remark

RESTFul API: " http://106.74.18.46/api/clouds/volumes/ "

7.   Disk mounts (Mounts)

Click the "Mounts" option in the list on the left to enter the cloud disk mounting page;

Click "Add" in the upper right corner of the mount list mount" button to mount the cloud disk.

Form field description:

Volume	Mounted cloud disk
Instance	Instance mounted to
Point	mount point

RESTFul API: " http://106.74.18.46/api/clouds/mounts/ "

8.   Operations

Click the "Operations" option in the list on the left to enter the operation record page;

Click "Add" in the upper right corner of the operation record operation" button to perform the operation.

Form field description:

| Target	Operation target (such as: instance, image, cloud disk, etc.)
Operation	Operations performed (such as booting, shutting down, repairing, mounting, etc.)
Script	sh script to execute

RESTFul API: " http://106.74.18.46/api/clouds/instanceoperations/ "

9.   Cluster scaling template (Scale)

Click the "Scales" option in the list on the left to enter the cluster scaling template management page;

Click "Add" in the upper right corner of the operation record scale" button to add a template.
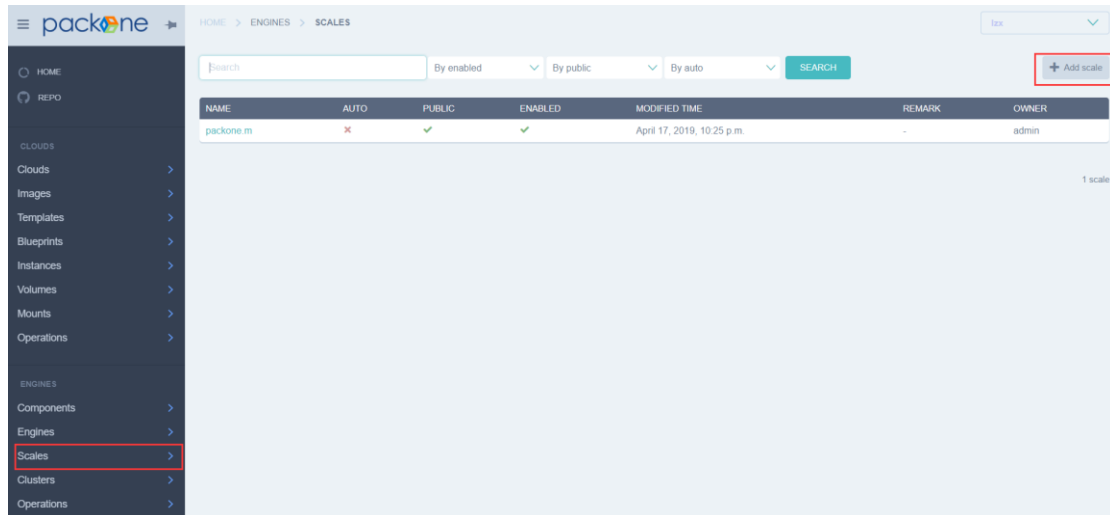
Form field description:

Name _	name
Scale-in remedy script	sh script executed when cluster shrinks
Scale- out remedy script	sh script executed during cluster expansion
Auto	Whether to automatically expand (reserved field)
Init blueprints	Blueprint used during cluster initialization
Step blueprints	Blueprint used when scaling the cluster in one step
Public	Is it public?
Enabled	Whether to enable
Remark	Remark

RESTFul API: " http://106.74.18.46/api/engines/scales/ "

10. Cluster

Click the "Clusters" option in the list on the left to enter the cluster management page;

Click "Add" in the upper right corner of the operation record cluster" button to add a cluster.

Form field description:

Name _	name
Scale	Create a cluster scaling template for cluster use
Public	Is it public?
Remedy script todo	sh repair script executed after the cluster is created
Engines	engine
Remark	Remark

RESTFul API: " http://106.74.18.46/api/engines/clusters/ "