

Graphic Bundle

Chapter 1: Getting Started with OneOps

Welcome to OneOps - Sign in

Username

Password

Remember me

... or [Sign up](#)

[Forgot your password?](#)

[Didn't receive unlock instructions?](#)

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance

Step 1: Choose an Amazon Machine Image (AMI)

An AMI is a template that contains the software configuration (operating system, application server, and our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Quick Start

My AMIs




AWS Marketplace

Community AMIs

Operating system

- Amazon Linux
- Cent OS
- Debian
- Fedora
- Gentoo
- OpenSUSE
- Other Linux
- Red Hat

Search: OneOps

	OneOps-basic-preconf-v1.3 - ami-076c416d OneOps basic getting started Root device type: ebs Virtualization type: hvm
	oneops - ami-e09fa06a oneops Root device type: ebs Virtualization type: hvm
	OneOps-basic-preconf-v1.2 - ami-1c1b3996 OneOps basic getting started Root device type: ebs Virtualization type: hvm

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances: 1 [Launch this AMI using console](#)

Purchasing option: Reserved Spot instances

Network: Use existing VPC and subnets Create new VPC

Subnet: An unformatted subnet in any availability zone Create new subnet

Auto-assign Public IP: Do not assign an Elastic IP Assign an Elastic IP

Placement group: No placement group Create new placement group

AMI: New Create new AMI

Shutdown behavior: Stop Hibernate

Enable termination protection: Protect against accidental termination Do not protect against accidental termination

Monitoring: Do not enable Amazon CloudWatch monitoring Enable Amazon CloudWatch monitoring

Assign a security group: Create a new security group Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source
SSH	TCP	22	Anywhere 0.0.0.0/0
Custom TCP Rule	TCP	3000	Anywhere 0.0.0.0/0

Warning

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Connect To Your Instance

I would like to connect with A standalone SSH client A Java SSH Client directly from my browser (Java required)

Enter the required information in the fields below to connect to your instance. AWS automatically detects the key pair name, and Public DNS for your instance. You need to enter the location and name of the .pem file containing your private key.

Public DNS: ec2-54-86-168-7.compute-1.amazonaws.com

User name:

Key name: OneOps.pem

Private key path:

Save key location: Store in browser cache

Step 2: Choose an Instance Type

Filter by: All instance types | Current generation | Show/Hide Columns

Currently selected: m4.large (6.5 ECUs, 2 vCPUs, 2.4 GiB, Intel Xeon E5-2676v3, 8 GB memory, EBS only)

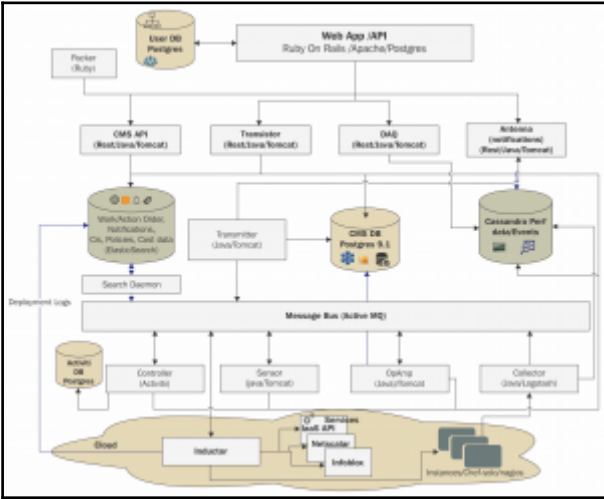
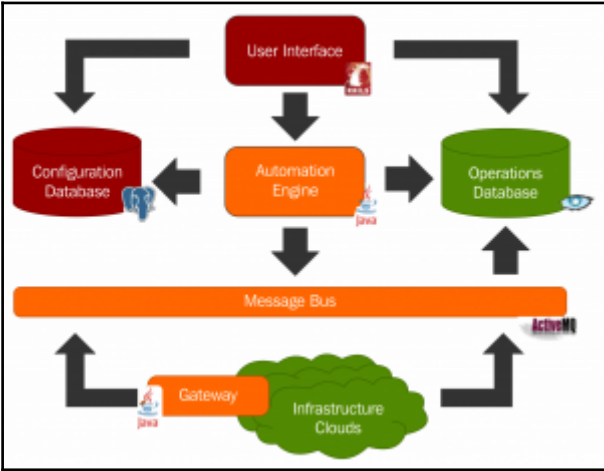
	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GiB)
<input type="radio"/>	General purpose	t2.nano	1	0.5	EBS only
<input type="radio"/>	General purpose	t2.micro	1	1	EBS only
<input type="radio"/>	General purpose	t2.small	1	2	EBS only
<input type="radio"/>	General purpose	m2.xlarge	2	4	EBS only
<input type="radio"/>	General purpose	t2.large	2	8	EBS only
<input checked="" type="radio"/>	General purpose	m4.large	2	8	EBS only

```

nmlkar@nmlkar: ~/scripts/vagrant/oneops/vagrant
==> default:      exist  clouds-enabled/shared
==> default:      success Next Step: inductor start ; inductor tail
==> default:      start  public_ip consumer
==> default: pgrep: invalid option -- 'a'
==> default: Usage: pgrep [-flvx] [-d DELIM]
==> default: [-n|-o] [-P PPIDLIST] [-g PGRP LIST] [-s SIGLIST]
==> default:      [-u UIDLIST] [-U UIDLIST] [-G GIDLIST] [-t TERM LIST] [PATTERN]
==> default:      start  public_ip logstash agent
==> default:      start  already running
==> default: pgrep: invalid option -- 'a'
==> default: Usage: pgrep [-flvx] [-d DELIM]
==> default: [-n|-o] [-P PPIDLIST] [-g PGRP LIST] [-s SIGLIST]
==> default:      [-u UIDLIST] [-U UIDLIST] [-G GIDLIST] [-t TERM LIST] [PATTERN]
==> default:      start  shared logstash agent
==> default:      running cp -f /usr/local/rvm/gems/ruby-1.9.3-p151/gems/oneops
-admin-1.0.0/lib/templates/inductor/init.d/inductor /etc/init.d/inductor
==> default: Done with inductor
==> default: Starting display
==> default: [ OK ]
==> default: OneOps should be up on http://localhost:3000
==> default: Configure your port forwarding and shut down iptables service (or c
onfigure it) if needed
==> default: All done at : 20:28:29
nmlkar@nmlkar:~/scripts/vagrant/oneops/vagrant$

```

Chapter 2: Understanding the OneOps Architecture



```

# app/config/settings.yml
defaults: &defaults
  # Brand
  brand:
    image: logo-notext-32x32.png
    name: '<font color="#333333">One</font><font color="#008000">Ops</font>'
    identity: <%= ENV['IDENTITY'] || '' %>
    support_email: <%= ENV['SUPPORT_EMAIL'] %>
    news_url: <%= ENV['NEWS_URL'] %>
    help_url: <%= ENV['HELP_URL'] %>
    feedback_url: <%= ENV['FEEDBACK_URL'] || 'https://oneops.slack.com/messages/feedback/' %>
  <%=
  report_problem_url: <%= ENV['REPORT_PROBLEM_URL'] %>
  support_chat_url: <%= ENV['SUPPORT_CHAT_URL'] || 'https://oneops.slack.com/messages/help/' %>
  terms_of_service_url: <%= ENV['TERMS_OF_SERVICE_URL'] %>
  privacy_policy_url: <%= ENV['PRIVACY_POLICY_URL'] %>

  # Authentication types currently supported are database|ldap
  authentication: database

  # Omniauth configuration
  'settings.yml' [readonly] 124L, 4429C

```

```

development:
  host: <%= ENV['LDAP_HOST'] || 'localhost' %>
  port: 389
  attribute: <%= ENV['LDAP_ATTRIBUTE'] || 'uid' %>
  base: <%= ENV['LDAP_BASE'] || 'ou=People,dc=com' %>
  admin_user: cn=Manager,dc=oneops,dc=com
  admin_password: admin_password
  ssl: false
  # <<: *AUTHORIZATIONS

shared:
  host: <%= ENV['LDAP_HOST'] || 'honts0101.homeoffice.wal-mart.com' %>
  port: <%= ENV['LDAP_PORT'] || '3269' %>
  attribute: <%= ENV['LDAP_ATTRIBUTE'] || 'sAMAccountName' %>
  base: <%= ENV['LDAP_BASE'] || 'dc=wal-mart,dc=com' %>
  admin_user: <%= ENV['LDAP_ADMIN_USER'] || 'cn=admin,dc=test,dc=com' %>
  admin_password: <%= ENV['LDAP_ADMIN_PASSWORD'] || 'admin_password' %>
  ssl: simple_tls
  # <<: *AUTHORIZATIONS

production:
  host: localhost
  port: 636

```

```

kloopzcm | cm_ci | table | kloopzcm
kloopzcm | cm_ci_attribute_log | table | kloopzcm
kloopzcm | cm_ci_attribute_log_2012 | table | kloopzcm
kloopzcm | cm_ci_attribute_log_2013 | table | kloopzcm
kloopzcm | cm_ci_attribute_log_2014 | table | kloopzcm
kloopzcm | cm_ci_attribute_log_2015 | table | kloopzcm
kloopzcm | cm_ci_attribute_log_2016 | table | kloopzcm
kloopzcm | cm_ci_attributes | table | kloopzcm
kloopzcm | cm_ci_log | table | kloopzcm
kloopzcm | cm_ci_log_2012 | table | kloopzcm
kloopzcm | cm_ci_log_2013 | table | kloopzcm
kloopzcm | cm_ci_log_2014 | table | kloopzcm
kloopzcm | cm_ci_log_2015 | table | kloopzcm
kloopzcm | cm_ci_log_2016 | table | kloopzcm
kloopzcm | cm_ci_relation_attr_log | table | kloopzcm
kloopzcm | cm_ci_relation_attr_log_2012 | table | kloopzcm
kloopzcm | cm_ci_relation_attr_log_2013 | table | kloopzcm
kloopzcm | cm_ci_relation_attr_log_2014 | table | kloopzcm
kloopzcm | cm_ci_relation_attr_log_2015 | table | kloopzcm
kloopzcm | cm_ci_relation_attr_log_2016 | table | kloopzcm
kloopzcm | cm_ci_relation_attributes | table | kloopzcm
kloopzcm | cm_ci_relation_log | table | kloopzcm
kloopzcm | cm_ci_relation_log_2012 | table | kloopzcm
--More--

```

NS path:

Class:

CI name:

CI list

NS path:

Class:

CI name:

CI list

[test](#)

[OneOps](#)

CI Detail

OneOps

Class Name : [account.Organization](#)

AppVersionInfo: oc:chef-11.4.0

NS Path: /

State: default

Comments:

Created: Fri Dec 18 20:52:57 UTC 2015

Attributes	DF Value	DJ Value	Comments	Owner	Created	Updated
owner	admin@oneops.com	admin@oneops.com			Fri Dec 18 20:52:57 UTC 2015	Fri Dec 18 20:52:57 UTC 2015
full_name	OneOps.group	OneOps.group			Fri Dec 18 20:53:34 UTC 2015	Fri Dec 18 20:53:34 UTC 2015
description					Fri Dec 18 20:53:34 UTC 2015	Fri Dec 18 20:53:34 UTC 2015

From relations:
 OneOps -> [base.Managers](#) -> [Steps/apache](#)

To relations:

NS path:

Class:

CI name:

CI list

- [mysql](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [activemq](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [customlb](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [apache](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [java](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [rabbitmq](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [cassandra](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [couchbase](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [custom](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [es](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [javaws](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [ruby](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [tomcat](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife
- [haproxy](#) root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife

CI Detail

ghettofs

Class Name : [agentPack](#)

Implementation: `ncclsf:11.4.0`

NS Path: [/public/oneops/packs](#)

State: `default`

Comments: `root:/usr/local/rvm/gems/ruby-1.9.3-p551/bin/knife`

Created: `Thu Dec 17 18:29:52 UTC 2015`

Attribute	DI Value	DI Value	Comments	Owner	Created	Updated
owner					Thu Dec 17 18:29:52 UTC 2015	Thu Dec 17 18:29:52 UTC 2015
pack_type	Platform	Platform			Thu Dec 17 18:29:52 UTC 2015	Thu Dec 17 18:29:52 UTC 2015
description	GlusterFS	GlusterFS			Thu Dec 17 18:29:52 UTC 2015	Thu Dec 17 18:29:52 UTC 2015
category	Distributed Filesystems	Distributed Filesystems			Thu Dec 17 18:29:52 UTC 2015	Thu Dec 17 18:29:52 UTC 2015

From relations:

To relations:


```

[root@ip-172-31-57-184 ~]# oneops auth login
Enter your OneOps credentials.
Username: f0u3rt4d0w402_4FGfe
Password (typing will be hidden):
Logged in
[root@ip-172-31-57-184 ~]# oneops config set organization=OneOps -g
[root@ip-172-31-57-184 ~]# oneops organization
{"cid":57129,"cname":"OneOps","className":"account.Organization","impl":{"os:chef-11.4.0"},"nsPath":"/","cidoid":"100-1005-57129","comments":null,"ciState":"default","lastAppliedRfcId":0,"createdBy":"oneops","updatedBy":"oneops","created":1458470777010,"updated":1458470014460,"nsId":100,"ciAttributes":{"owner":"admin@oneops.com","full_name":"OneOps group"},"description":""},"attrProps":{}}
[root@ip-172-31-57-184 ~]#

```

```

General
-----
version          Display OneOps CLI gen version.
help [-command]  Display this help or help for a particular command.

Setup & Configuration
-----
config          Set or display global parameters (e.g. login, password, host, default assembly).

OneOps Management Commands
-----
account         Account management.
organization    Organization management.
cloud           Cloud management.
catalog         Catalog management.
assembly       Assembly management.
design          Assembly design management.
transition      Assembly transition management.
operations      Assembly operations management.

For more information about commands try:
oneops help <command>
[root@ip-172-31-57-184 ~]#

```

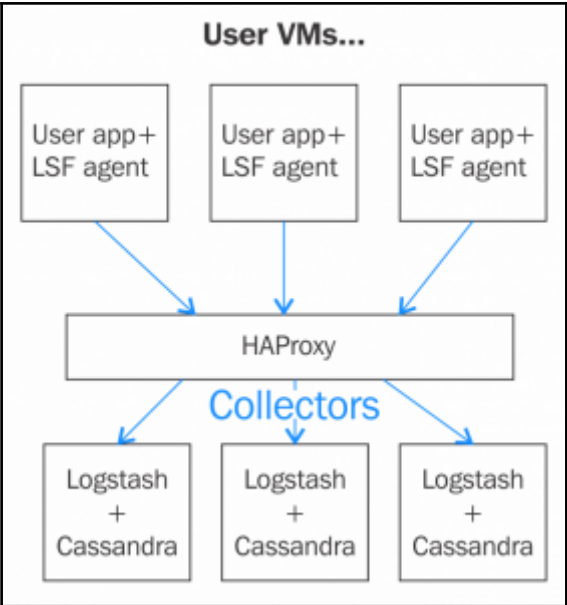
```

[root@ip-172-31-57-184 ~]# oneops cloud
[{"cid":57143,"cname":"aws-east-1","className":"account.Cloud","impl":{"os:chef-11.4.0"},"nsPath":"/OneOps/clouds","cidoid":"57142-1013-57143","comments":"","ciState":"default","lastAppliedRfcId":0,"createdBy":"oneops","updatedBy":null,"created":1452036157066,"updated":1452036157066,"nsId":57142,"ciAttributes":{"adminstatus":"active","auth":"","description":"","location":"/public/oneops/clouds/ec2-us-east-1"},"attrProps":{}}]
[root@ip-172-31-57-184 ~]# oneops design show -a SimpleApache

Platforms:
-----
Name          Pack          Description
-----
webapp        apache

Current Release: 2505 [closed] created by oneops on 2016-01-11 17:40:45 +0000.
Committed by oneops 2016-01-11 17:40:51 +0000.
Description:
[root@ip-172-31-57-184 ~]# oneops design packs -a SimpleApache
[{"oneops":{"mysql":["1"],"activemq":["1"],"customlb":["1"],"apache":["1"],"java":["1"],"rabbitmq":["1"],"cassandra":["1"],"couchbase":["1"],"custom":["1"],"es":["1"],"jawsa":["1"],"ruby":["1"],"tomcat":["1"],"haproxy":["1"],"rails":["1"],"postgresql":["1"],"glusterfs":["1"],"phg":["1"],"oneops":["1"],"inductor":["1"]}]
[root@ip-172-31-57-184 ~]#

```



Chapter 3: OneOps Application Life Cycle

Attributes ✎ Edit

Name	ec2-cloud
ID	62410
Namespace	/OneOps_clouds
Created	2 months ago by oneops

Global

Description

Management

Location*

Status

status: active

- Administrative status is active.
- All transition and operations activity is enabled.

☁ Set Inert ☁ Set Online

clouds >

Cloud New Cloud

Create new cloud

Configuration

Name
must start with a letter and may be up to 32 characters long consisting of digits, letters, underscores and dashes only


Global

Description


Management


Location*

✕ Cancel ✓ Save

 Clouds

Manage clouds

Clouds 

Sort 

status offline

azure azure


created by oneops 8 days ago


status active

ec2-cloud ec2-us-east-1

created by oneops 3 months ago

[+ Add Cloud...](#)

clouds >  Cloud CustomCloud >

 **Service Add**

Add new service to cloud.

Configuration

Select Type

Service

Authentication

Access Key*

Secret Key* show typing

Access Keys

Use access keys to make secure REST or Query protocol requests to any AWS service API. For your protection, you with anyone. In addition, industry best practice recommends frequent key rotation. [Learn more about Access Keys](#)

[Create Access Key](#)

Access Key

AKIAJER

Sign-In C

LAST USED N/A

Create Access Key

Your access key has been created successfully.

This is the last time these User security credentials will be available for download.

You can manage and recreate these credentials any time.

[Show User Security Credentials](#)

[Close](#) [Download Credentials](#)

APPLICATIONS & SaaS TRUST YES NO

CLIENT ID


USER ASSIGNMENT REQUIRED TO ACCESS APP YES NO

keys

2 years	3A/026A	1/026B	THE API VALUE WILL BE DEPLOYED AFTER YOU GAVE IT.
1 year	3A/026A	1/026D	THE API VALUE WILL BE DEPLOYED AFTER YOU GAVE IT.
Select duration	VALID FROM	EXPIRES ON	THE API VALUE WILL BE DEPLOYED AFTER YOU GAVE IT.

single sign-on

APP URL

 Service RackspaceDNS

Change service configuration.

configuration offerings

Attributes

Name	rackspace-dns
Id	86275
Namespace	/OneOps/_clouds/ec2-cloud
Created	7 days ago by oneops
Updated	5 days ago by oneops

Credentials

Username*

Api Key* show typing

DNS

Zone

Cloud DNS Id*

Assemblies

Manage assemblies

Assemblies ⊕

Sort ▾ type to filter...

- test-assembly**
 design 1 platform | transition 1 environment | operations
created by onecops 3 months ago -- no design release
- test-mysql**
 design 1 platform | transition 3 environments | operations
created by onecops 8 days ago -- no design release
- java**
 design 1 platform | transition 2 environments | operations
created by onecops 8 days ago -- no design release

[+ New Assembly...](#)

Assembly New Assembly

Create New Assembly

New Assembly

Name
must start with a letter and may be up to 32 characters long consisting of digits, letters and dashes only

Configuration

Description

Owner (Email Address)*

Catalog

Select Design

Platform Details

Name
must start with a letter and may be up to 32 characters long consisting of digits, letters and dashes only

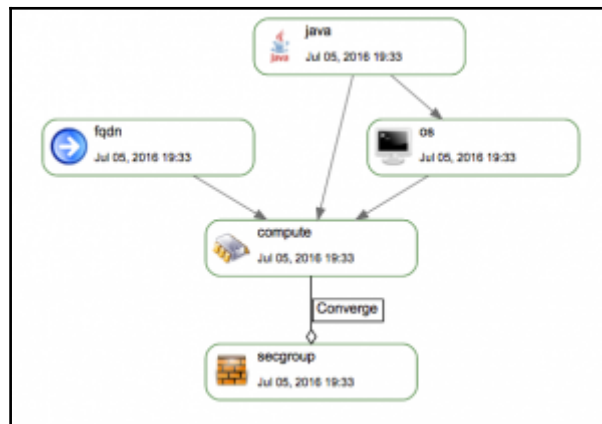
Global

Description

Pack Source

Pack Name

Pack Version



Configuration Attributes Cancel Save

Name
must start with a letter and may be up to 32 characters long consisting of digits, letters, underscores and dashes only

Id 88254
Namespace /OneOps/test-java/_design/IDK

Request For Change

Action add

Created 10 minutes ago by oneops
Updated less than 20 seconds ago by oneops
Diff to base [Show](#)

Resources

Instance Size*

Global

Username*

Description

Home Directory

Home Directory Mode

Max Open Files*

Login shell

Options

System Account

Enable Sudo Access

Access

Authorized Keys
+ add

Environment Details

Name: must start with a letter and may be up to 32 characters long consisting of digits, letters and dashes only

Global

Administrative Status*:

Description:

DNS

DNS Subdomain:

environment assembly organization

step 1 **sshkeys** java JDK v1 ec2-cloud +1 ✓1
10.8 sec

step 2 **secgroup** java JDK v1 ec2-cloud +1 ✓1
4.8 sec

step 3 **compute** java JDK v1 ec2-cloud +1 ✓1

+ Dev/JDK/v1 Compute compute-63410-1

Attributes Log

All
 Info
 Warnings
 Errors
 Auto Scroll

```

[2016-07-05T20:06:52+00:00] INFO: ruby_block[ssh cmd] called
[2016-07-05T20:06:52+00:00] INFO: no key in repo_map for os: centos-7.0
[2016-07-05T20:06:52+00:00] INFO: Syncing /opt/oneops/inductor/shared/...
[2016-07-05T20:06:55+00:00] INFO: nsys: -sz --exclude=.md --exclude=.png -e "ssh -i /tmp/gab110qjpfmcdm4k0ds1mlcmj07s -o StrictHostKeyChecking=no -o UserKnownHostsFile=/dev/null" /opt/oneops/inductor/shared/ ec2-user@52.23.201.177:~/shared/
returned
[2016-07-05T20:06:55+00:00] DEBUG: class parts: ["oneops", "1"]
[2016-07-05T20:06:55+00:00] INFO: Syncing /opt/oneops/inductor/circuit-oneops-1/...
[2016-07-05T20:07:24+00:00] INFO: Installing base sw for oneops ...
[2016-07-05T20:07:24+00:00] DEBUG: nsys: -sz --exclude=.md --exclude=.png -e "ssh -i /tmp/gab110qjpfmcdm4k0ds1mlcmj07s -o StrictHostKeyChecking=no -o UserKnownHostsFile=/dev/null" /opt/oneops/inductor/circuit-oneops-1/ ec2-user@52.23.201.177:~/circuit-oneops-1/ returned
[2016-07-05T20:07:24+00:00] INFO: env_vars: {}

```

Assembly test-mysql

View assembly info, manage assembly configuration and team permission settings

summary teams reports health procedures settings

Notifications

- Deployment completed successfully.**
Deploying test-mysql.
6 days ago deployment in [./OneOps/test-mysql/test-mysql/bom](#)
- Deployment completed successfully.**
Deploying test-mysql.
6 days ago deployment in [./OneOps/test-mysql/test-mysql/bom](#)
- Deployment started by oneops**
Deploying test-mysql.
6 days ago deployment in [./OneOps/test-mysql/test-mysql/bom](#)
- Deployment started by oneops**
Deploying test-mysql.
6 days ago deployment in [./OneOps/test-mysql/test-mysql/bom](#)

LowDiskNode ⌵ Delete

LowDiskSpace ⬆ Delete

Definition

Name	State
LowDiskSpace	Notify Only

Bucket	Stat	Metric
5 minutes	Average	space_used

Trigger & Reset

	Operator	Value		Duration		Occurrences
Trigger	>	90	%	5	min	# 1
Reset	<	90	%	5	min	# 1

Cool-Off

15 min

+ Add

Chapter 4: OneOps Enterprise Deployment



```
Downloads — centos@ip-172-31-52-21-~/setup/vagrant-centos7 — ssh -i One...
[centos@ip-172-31-52-21 ~]$ ls
setup
[centos@ip-172-31-52-21 ~]$ cd setup
[centos@ip-172-31-52-21 setup]$ ls
design docker README.md vagrant vagrant-centos7
[centos@ip-172-31-52-21 setup]$ cd vagrant-centos7/
[centos@ip-172-31-52-21 vagrant-centos7]$ ls
amq display logstash oo-setup.sh search-consumer Vagrantfile
cassandra git_ssh oo-prereqs.sh pgsql tomcat
[centos@ip-172-31-52-21 vagrant-centos7]$ ls oo-prereqs.sh oo-setup.sh
oo-prereqs.sh oo-setup.sh
[centos@ip-172-31-52-21 vagrant-centos7]$
```

```
Downloads — centos@ip-172-31-52-21-~/setup/vagrant-centos7 — ssh -i One...
#!/bin/sh
now=$(date +%T)
echo "Starting at : $now"

export VAGRANT_MNT="/home/centos/setup/vagrant-centos7"

echo '127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdom
ain4 search api antenna opsmq daq opsdb sysdb kloopzappdb kloopzcmsdb cmsapi sen
sor activiti@ kloopzmq searchmq' > /etc/hosts
echo ':::1 localhost localhost.localdomain localhost6 localhost6.localdom
ain6' >> /etc/hosts

# disable ruby doc, this would speed up the install while a bit
echo 'gem: --no-document' >> ~/.gemrc

# java
echo "00 installing openjdk 1.8"
yum -y install java-1.8.0-openjdk-devel

# misc
yum -y install git wget vim-common ntp perl-Digest-SHA
systemctl enable ntpd
```

Type	Protocol	Port Range	Source
Custom TCP Rule	TCP	8080	0.0.0.0
SSH	TCP	22	0.0.0.0
Custom TCP Rule	TCP	3000	0.0.0.0

Design configuration successfully validated.

Specify design configuration NAME or JSCN file

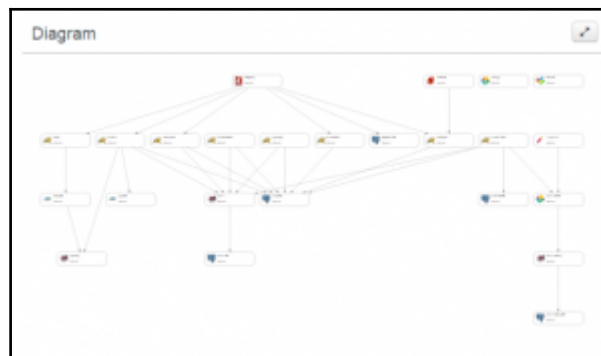
or

Directly paste design NAME or JSCN configuration here

```

DOMAIN: "changeme"
ECV:SECRET: "ENCRYPTED:"
DATA-SET:DNS: /mnt/ehy/
API-USER: "changeme"
API-SECRET: "ENCRYPTED:"
TOMCAT-LOG: /opt/apache-tomcat-7.0.104/logs
INITIAL-DB: /usr/local/oracle
OHS-DB-HOST: "localhost:change"
TOMCAT-LOG-LOCATION: /opt/tomcat
DOMAIN-ALIAS: "changeme"
TOMCAT-ACCESS-LOG-FORMAT: "%h %d/%O:User%N %S%O:Client%N %S%O:Client-IP%N %S%O:Subject%N %S%O:IP"
OHS-DB-DSN-KEY: "ENCRYPTED:"
TOMCAT-HEAD-PATH: /mnt/ehy/heapdump.html
ECV:USER: "changeme"
OHS-DB-USER: change
OHS-DB-FILE-LOCATION: /usr/local/oracle/ehy/ehykey
SEARCH-AMQ-NAME: "ENCRYPTED:"
SEARCH-AMQ-USER: "changeme"
VERSION: 16.06.24-RC1

```



Variables Variable Details

Apply to filter:

AMQHOST

AMQUSER

AMQDBNAME

Variable Details

Name: AMQDBNS

ID: 105932

Namespace: K8s/Dev/OneOps

Created: 8 days ago by nitish

History: [View history of committed changes](#)

Policy Compliance: COMPLIANT

Secure variable:

Encrypted value:

Advanced

Command to be executed before tomcat shutdown is invoked.

`curl -s --connect-timeout 5 --max-time 5 -u $OO_LOCAL`

Time(in seconds) to wait after the pre shut down is executed.

30

Script to be executed after tomcat has been started.

```
#!/bin/sh
function check_svc_status {
```

Time(in seconds) to wait before executing post start up command.

1

Max. Number of retries for executing post startup command.

2

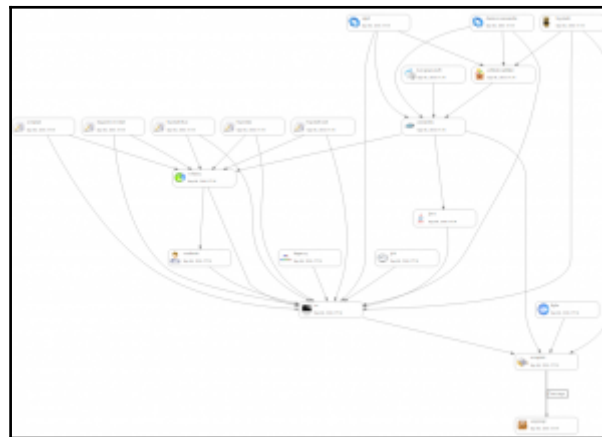
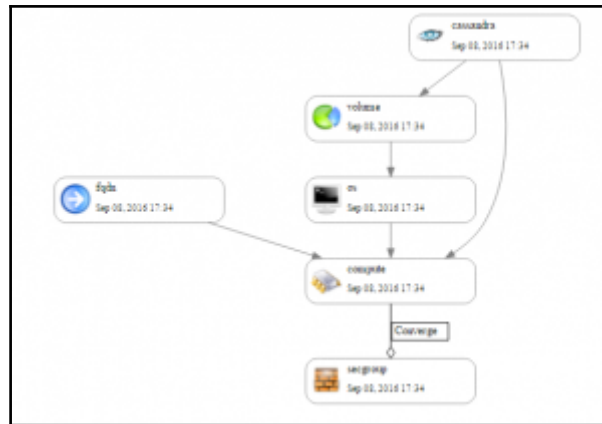
```
node.set["oneops"] = {
  home => "/usr/local/oneops",
  install_dir => "/usr/local/oneops"
}
node.set["tomcat"] = {
  webapp_dir => "/opt/tomcat7/webapps"
}
tomcat_user = "tomcat"

execute "rm -f /usr/local/oneops/dist"

link "/usr/local/oneops/dist" do
  to "/opt/oneops/artifact/releases/$OO_LOCAL{version}/oneops/dist"
end

# war cleanup and deploy
["$OO_LOCAL{deploycontext}"].each do |war|
  execute "#{war} war clean" do
    command "rm -fr #{node[:tomcat][:webapp_dir]}/#{war}*"
  end
  execute "#{war} war deploy" do
    command "cp #{node[:oneops][:home]}/dist/#{war}*.war #{node[:tomcat][:webapp_dir]}"
  end
end

service "tomcat" do
  action :restart
end
#End of restart
```



```

/opt/oneops/log/*.log
{
  copytruncate
  compress
  size 10M
  rotate 1
  prerotate rm -fr /opt/oneops/log/*.gz
  endscript
}
  
```


Global

Listeners

LB Method*

Session Persistence

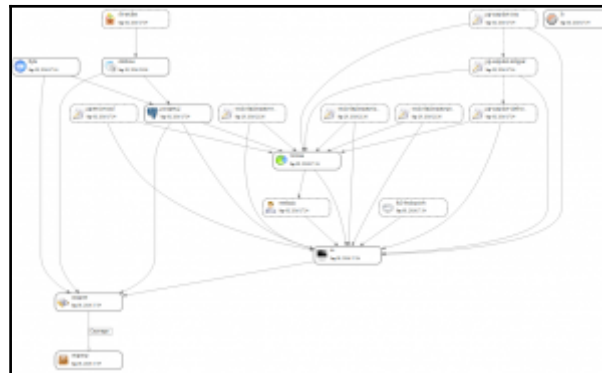
Create cloud vips*

LB Custom Attrs

Required Availability Zone

Compute Instances

ECV* =



```

# disable this on secondary nodes in transaction
conf = { home => '/usr/local/pgsql' }
node.set("postgres") = conf

Directory "#{node[:oname][:home]}" do
  recursive true
end

bash "cm db schema" do
  cmd node[:oname][:home]
  code <<-EOS
  tar xzf $00_LOCAL[install-dir]/current/cma-db-pkg/db.tar.gz --no-same-owner --no-same-permissions
  cd db
  ./autoinstall-db.sh $00_LOCAL[cma-db-user] $00_LOCAL[cma-db-pass] > autoinstall-db.log 2>&1
  EOS
end

```


Chapter 5: Practical Deployment Scenario

Platform Details

Name
must start with a letter and may be up to 32 characters long consisting of digits, letters and dashes only

Global

Description

Pack Source

Pack Name

Pack Version

Installation Type*
Build from source

Global

Server Admin

Listen Ports*

User

Request Timeout

Keep Alive

Enable TLSv1

Enable TLSv1.1

Enable TLSv1.2

Enable PHP Info Index

Status

release **open**

- ★ Design release 5236 created 2 minutes ago
- ▲ Created by nimkar
- Release contains 0 change(s)

[Review](#)
[Discard](#)
[Commit](#)

Name must start with a letter and may be up to 32 characters long consisting of digits, letters and dashes only

Global

Description

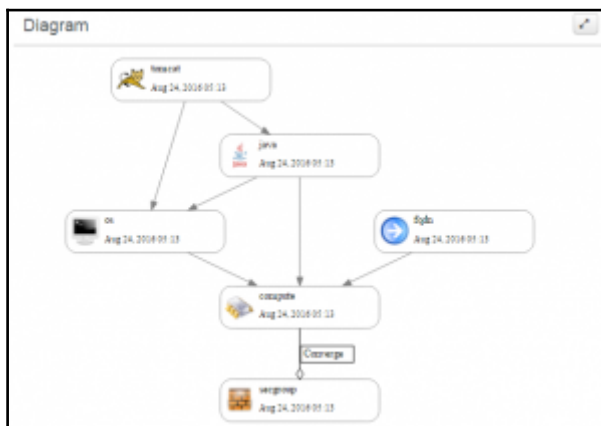
Pack Source

Pack Name

Pack Version

Links

To Platforms WebServer



Server

User

Group

Sets the protocol to handle incoming traffic for Connector*

Enable HTTP Connector

Additional attributes needed for connector config.*

<input type="text" value="connectionTimeout"/>	=	<input type="text" value="20000"/>	<input type="text" value="x"/>
<input type="text" value="maxKeepAliveReques"/>	=	<input type="text" value="100"/>	<input type="text" value="x"/>

HTTP Port*

SSL Port*

Server port*

AJP port*

ActiveMQ

Installation directory

Version*

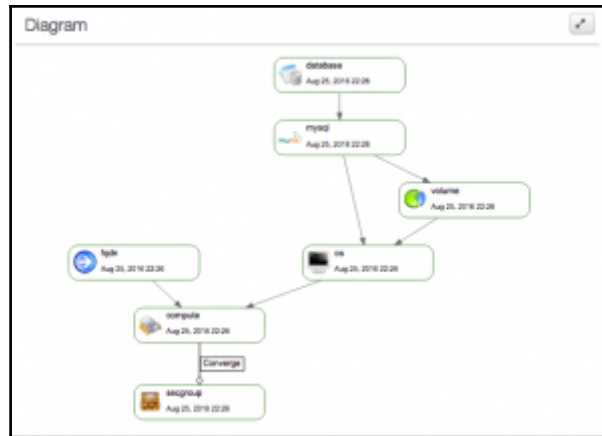
Transport Connectors* =

Log file Size (MB)

Log file path

Maximum Connections

Environment Variables



Commit and generate deployment plan? ✕

Comment

Enter comments...

Restrict deployment to the selected platforms

i You can opt to pick only certain platforms for this deployment. All current release changes will be committed. However, only changes for selected platforms will be deployed at this time.

<input checked="" type="checkbox"/> Database	version 1
<input checked="" type="checkbox"/> WebServer	version 1
<input checked="" type="checkbox"/> Webapp	version 1

Sample "Hello, World" Application



This is the home page for a sample application used to illustrate the source directory organization of a web application utilizing the principles outlined in the Application Developer's Guide.

To prove that they work, you can execute either of the following links:

- To a [JSP page](#).
- To a [servlet](#).

DSO Modules

<input checked="" type="checkbox"/>	mod_log_config	X
<input type="checkbox"/>	mod_mime	X
<input type="checkbox"/>	mod_dir	X
<input type="checkbox"/>	mod_status	X
<input type="checkbox"/>	mod_alias	X
<input type="checkbox"/>	mod_auth_basic	X
<input type="checkbox"/>	mod_auth_host	X
<input type="checkbox"/>	mod_ssl	X
<input type="checkbox"/>	mod_setenvif	X
<input type="checkbox"/>	mod_headers	X
<input checked="" type="checkbox"/>	mod_proxy	X

+ add

Custom


Custom Server Configuration

<input checked="" type="checkbox"/>	ProxyPass /sample http://webapp.dev.javaapp.org
<input type="checkbox"/>	ProxyPassReverse /sample webapp.dev.javaapp.org

Actions

Choose Action To Execute ▾

- repair**
Repair Apache
- stop**
Stop Apache
- restart**
Restart Apache
- start**
Start Apache
- status**
Apache Status



7 days

DNS

DNS Subdomain

Global DNS

Availability

Availability Mode* ▾
Single
Redundant

Other

Debug Mode*

Listeners

LB Method*

Session Persistence

Create cloud vips*

LB Custom Atrs

Required Availability Zone

Listen Port*

Document Root

Document Root Options

SSL

SSL

SSL Certificate

SSL Certificate Key

SSL CA Certificate Key

Component	% Deploy	Current	Min	Max	Step Up	Step Down
compute	<input type="text" value="100"/>	<input type="text" value="2"/>	<input type="text" value="2"/>	<input type="text" value="10"/>	<input type="text" value="1"/>	<input type="text" value="1"/>

autorepair: **enabled** Autorepair enabled less than a minute ago

autoreplace: **enabled** Autoreplace enabled about 22 hours ago

Conditions:

Replace unhealthy after minutes: 9999999

Replace unhealthy after repairs #: 9999999

Replace unhealthy after minutes:

Replace unhealthy after repairs #:

Amazon Primary Secondary

Deployment order:

Percent scale:

Rackspace Primary Secondary Not Used

Deployment order:

Percent scale:

Attributes Close Save

Name: ID:

Namespace: Created:

Configuration

Description:

Owner (Email Address):

Email Notifications

Help

On back to the list of assemblies

Proceed to design your assembly

Delete Assembly

Important Attributes

Group ID
sp-41ae153b

Group Name
WebServer-Dev1-apache-PracticalOps-89099

Inbound Rules

- 22 22 tcp 0.0.0.0/0
- 80 80 tcp 0.0.0.0/0
- 443 443 tcp 0.0.0.0/0

Edit inbound rules

Type	Protocol	Port Range	Source
SSH	TCP	22	Anywhere

Add Rule Cancel Save

Team Details

Cancel Save

Name*

Description

Access Management

Manage Access

When checked and this team is assigned to a cloud or an assembly it allows team members to manage other team assignments. Additionally, when checked it allows team members to create new clouds and assemblies.

Organization Scope

When checked this team will automatically have access to all assemblies and clouds in the organization (without the need to assign it explicitly and governed by the permissions specified below)

Cloud Permissions

Allow Modification In

- services
- compliance
- support

Waiting for pending approvals

Amazon

comments

Approvals are valid for:

- now only
- 2 hours
- 6 hours
- 12 hours
- 24 hours

Reject

Approve

Cancel

Options

System Account

Enable Sudo Access

Access

Authorized Keys

Cancel Save

Status

Last deployed change 1781
 made by **alixia**
 as part of environment release 2085
 deployed 1 day ago

All instances are at normal levels
 1 instance waiting for this instance

Important Attributes

Instance Name
 jsh-rsa-Dev-Test-Prod-Prod-0001

Instance ID
 i-23a21112

Region
 us-east-1

Availability Zone
 us-east-1a

Number of CPU Cores
 1

RAM in MB
 16384

Network Storage (MB)

Actions

Choose Action to Execute:

- reboot
Reboot Compute
- repair
Repair Compute
- powercycle
Powercycle - HARD
reboot
- status
Compute Status

7 days

0 notifications

Status

Configuration OK

- Last deployed change **1386**
 - made by **atlas**
 - as part of environment release **2005**
 - deployed 1 day ago

Health OK

- All monitors are at normal levels
- 1 instance watching this instance

Important Attributes

Actions

Choose Action To Execute

- repair**
 - Repair Apache
- stop**
 - Stop Apache
- restart**
 - Restart Apache
- start**
 - Start Apache
- status**
 - Apache Status



7 days

[0 notifications](#)

Chapter 6: Managing Your OneOps

```
Downloads — root@ip-172-31-52-21/home/oneops — ssh -l OneOps.pem cen...
~/bin/sh
export BUILD_BASE="/home/oneops/build"
export OO_HOME="/home/oneops"
export GITHUB_URL="https://github.com/oneops"

mkdir -p $BUILD_BASE

if [ -d "$BUILD_BASE/dev-tools" ]; then
  echo "doing git pull on dev-tools"
  cd "$BUILD_BASE/dev-tools"
  git pull
else
  echo "doing dev tools git clone"
  cd $BUILD_BASE
  git clone "$GITHUB_URL/dev-tools.git"
fi
sleep 2

cd $OO_HOME

cp $BUILD_BASE/dev-tools/setup-scripts/* .

"oo_setup.sh" 24L, 455C
```

```
Downloads — root@ip-172-31-52-21/home/oneops — ssh -l OneOps.pem cen...
rake server

sleep 5

ref="$1"
if [[ -z $ref ]]; then
  ref=16.06.03-STABLE
fi

echo "submit build $ref"
curl -X POST http://localhost:3001/job/oo-all-oss/build --data token=TOKEN --dat
a-urlencode json="{\"parameter\": [{\"name\": \"REF\", \"value\": \"$ref\"}, {\"name\": \"VERSIO
N\", \"value\": \"continuous\"}, {\"name\": \"TAG\", \"value\": \"false\"}, {\"name\": \"PUSH_TAG\",
\"value\": \"\"}]}"

GREP_RETURN_CODE=0
[]
# Poll every thirty seconds until the build is finished
while [ $GREP_RETURN_CODE -eq 0 ]
do
  echo "waiting jenkins build job to complete"
  sleep 30
  # Grep will return 0 while the build is running:

```



#	Name	Last Success	Last Failure	Last Duration
1	adaptor	1 min 29 sec - 512685b	NA	17 sec
2	ama-clogin	2 min 36 sec - 30617ba0	NA	16 sec
3	antenna	2 min 8 sec - 58527a81	NA	34 sec
4	app	5 min 56 sec - f1	NA	1 min 11 sec
5	aws-athos	NA	NA	NA
6	aws-db-package	NA	NA	NA
7	awsdb	4 min 36 sec - 000020f	NA	29 sec
8	commons	3 min 56 sec - 2b0ba56	NA	1 min 18 sec
9	connector	1 min 0 sec - 18c7ac7	NA	46 sec
10	dao	NA	NA	NA
11	db-submits	5 min 56 sec - 4150980	NA	3 sec

Name VERSION
Id 108540
Namespace /OneOps/OneOps
Created 27 days ago by nimkar
History [View history of committed changes](#)
Policy Compliance **passed**

Request For Change

Action **update**
Created 2 minutes ago by nimkar
Updated less than 5 seconds ago by nimkar
Diff to base [Show](#)

Value

Secure variable

Value 16.09.07-STABLE

Name BACKUP-HOST
Id 108542
Namespace /OneOps/OneOps
Created 28 days ago by nimkar
History [View history of committed changes](#)
Policy Compliance **passed**

Value

Secure variable

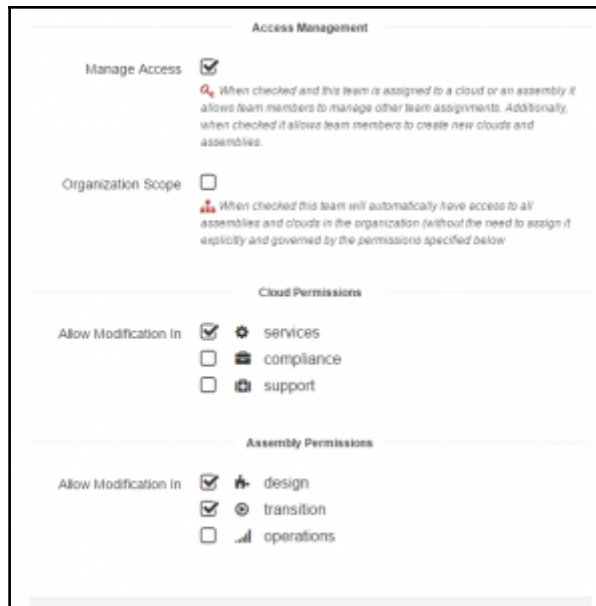
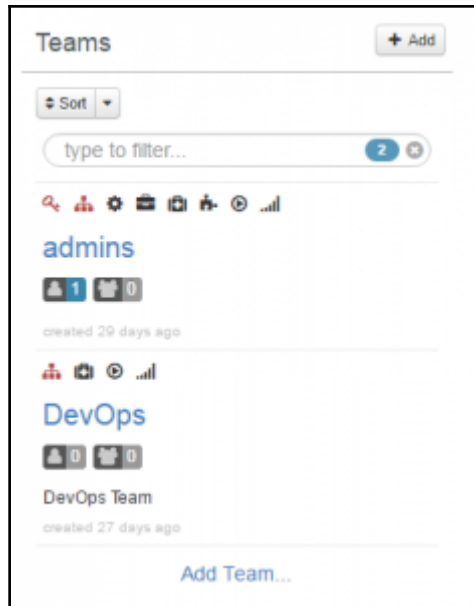
Value **change**

Name backup-host
Id 108609
Namespace /OneOps/OneOps_design/cmsdb
Created 28 days ago by nimkar
History [View history of committed changes](#)
Policy Compliance **passed**

Value

Secure variable

Value \$00_GLOBAL(BACKUP-HOST)



Select Compliance Type

Compliance Type Cloud Security Compliance ▾

Name
must start with a letter and may be up to 32 characters long consisting of digits, letters, underscores and dashes only

General

Description

Enable*

Deployment

Deployment Approval*

Execution

Version*

Script URL*

Filter* 🔍 ↗

Manage Access
🔗 When checked and this team is assigned to a cloud or an assembly it allows team members to manage other team assignments. Additionally, when checked it allows team members to create new clouds and assemblies.

Organization Scope
👤 When checked this team will automatically have access to all assemblies and clouds in the organization (without the need to assign it explicitly and governed by the permissions specified below)

Cloud Permissions

Allow Modification In ⚙️ services
 📁 compliance
 🛠️ support

Assembly Permissions

Allow Modification In 🏗️ design
 ⏪ transition
 📊 operations

Name	<input type="text" value="DevOps"/>
<small>must start with a letter and may be up to 32 characters long consisting of digits, letters, underscores and dashes only</small>	
Configuration	
Description	<input type="text" value="DevOps Team Approval Needed"/>
State	
Enable	<input checked="" type="checkbox"/>
Deployment	
Deployment Approval	<input checked="" type="checkbox"/>

Group Details Edit	
Name*	<input type="text" value="Dev"/>
Description	<input type="text" value="Dev Group"/>
Group Members Add	
Sort	type to filter... 3
nilesh nilesh@nimkar.net	
Nilesh Nimkar	
<small>added less than 10 seconds ago by nimkar</small>	
Admin	
nimkar nilesh.nimkar@gmail.com	
Nilesh Nimkar	
<small>added half a minute ago by nimkar</small>	
+ Add Member...	

User Members + Add

Set type to filter...

nilesh nilesh@nirakar.net
Nilesh Nirakar

+ Add user...

Group Members + Add

type to filter...

Dev 2 users

+ Add group...

Chapter 7: Working with Functional Components

```
[oadmin@ip-172-31-62-21 inductor]$ ls -l
total 4
lrwxrwxrwx. 1 ooadmin ooadmin 35 Nov 15 19:02 circuit-oneops-1 -> /home/oneops/b
uild/circuit-oneops-1
drwxr-xr-x. 4 ooadmin ooadmin 37 Nov 16 03:41 clouds-available
drwxr-xr-x. 2 ooadmin ooadmin 37 Nov 16 03:41 clouds-enabled
drwxr-xr-x. 2 ooadmin ooadmin 21 Sep 7 22:40 init.d
drwxr-xr-x. 2 ooadmin ooadmin 22 Sep 7 22:40 lib
drwxr-xr-x. 2 ooadmin ooadmin 6 Sep 7 22:40 log
drwxr-xr-x. 3 ooadmin ooadmin 80 Sep 7 22:40 shared
-rw-r--r--. 1 ooadmin ooadmin 7 Sep 7 22:40 user
[oadmin@ip-172-31-62-21 inductor]$
```

```
[oadmin@ip-172-31-62-21 inductor]$ ls -l
total 4
lrwxrwxrwx. 1 ooadmin ooadmin 35 Nov 15 19:02 circuit-oneops-1 -> /home/oneops/b
uild/circuit-oneops-1
drwxr-xr-x. 4 ooadmin ooadmin 37 Nov 16 03:41 clouds-available
drwxr-xr-x. 2 ooadmin ooadmin 37 Nov 16 03:41 clouds-enabled
drwxr-xr-x. 2 ooadmin ooadmin 21 Sep 7 22:40 init.d
drwxr-xr-x. 2 ooadmin ooadmin 22 Sep 7 22:40 lib
drwxr-xr-x. 2 ooadmin ooadmin 6 Sep 7 22:40 log
drwxr-xr-x. 3 ooadmin ooadmin 80 Sep 7 22:40 shared
-rw-r--r--. 1 ooadmin ooadmin 7 Sep 7 22:40 user
[oadmin@ip-172-31-62-21 inductor]$
```

```
[root@ip-172-31-62-21 conf]# more inductor.properties
amq.connect_string = failover:(ssl://localhost:61617?keepAlive=true)?jms.useCompress
ion=true&initialReconnectDelay=1000&maxReconnectAttempts=-1&startupMaxReconnectAtt
empts=8&jms.preFetchPolicy.queuePrefetch=1
amq.zone = superuser
amq.suthkey = amqpass
amq.in_queue = shared.ind-wo
packer.home = /opt/oneops/inductor/packer
data_dir = /opt/oneops/inductor/clouds-available/shared/data
scan_path = /opt/oneops/inductor/clouds-available/shared/retry
scan_period = 5
retry_count = 2
ip_attribute = public_ip
mgmt_domain = localhost
perf_collector_cert_location = /etc/pki/tls/logstash/certs/logstash-forwarder.crt
mgmt_url = http://localhost:9000
mgmt_cert = /etc/pki/tls/logstash/certs/logstash-forwarder.crt
daq_enabled = true
dns = on
debug_mode = on
max_consumers = 10
local_max_consumers = 10
env_vars =
tunnel_metrics = on
[root@ip-172-31-62-21 conf]#
```

```

[oadmin@ip-172-31-52-21 inductor]$ inductor
Commands:
inductor add # Add cloud to the inductor
inductor check # Inductor check
inductor check_agent # Inductor check logstash forwarder
inductor create # Creates and configures a new In...
inductor disable PATTERN # Disable inductor clouds matchin...
inductor enable PATTERN # Enable inductor clouds matchin...
inductor force_stop NAME # Inductor force stop (will kill -9)
inductor help [COMMAND] # Describe available commands or ...
inductor install_initd # Install /etc/init.d/inductor
inductor list [PATTERN] # List clouds in the inductor
inductor restart NAME # Inductor restart
inductor restart_logstash_forwarder NAME # Inductor logstash agent restart
inductor start NAME # Inductor start
inductor start_logstash_forwarder NAME # Inductor logstash agent start
inductor status # Inductor status
inductor status_logstash_forwarder NAME # Inductor logstash agent status
inductor stop NAME # Inductor stop (will finish proc...
inductor stop_logstash_forwarder NAME # Inductor logstash agent stop
inductor tail # Inductor log tail

[oadmin@ip-172-31-52-21 inductor]$ █

```

Configuration Cancel Save

Name

must start with a letter and may be up to 32 characters long consisting of digits, letters, underscores and dashes only

Global

Description

Management

Location*

Cancel Save

```

[oadmin@ip-172-31-52-21 inductor]$ inductor add
Manage dns? (on or off - defaults to off)? on
Debug mode? (keeps ssh keys and doesn't terminate compute on compute::add failure.
on or off - defaults to off)? on
Metrics collections? (if empty defaults to false)? true
What collector domain (the domain of your forge or collector)? localhost
Tunnel metrics thru ssh tunnel (defaults to off)? on
Perf Collector cert file location ? (If empty defaults to local cloud cert) /etc/pki/
l/tls/logstash/certs/logstash-forwarder.crt
What compute attribute to use for the ip to connect (if empty defaults to private_i
p)? public_ip
Queue? SecureCloud
URL to the UI? http://localhost:9090
logstash cert file location ? (If empty defaults to local cloud cert) /etc/pki/tls/
logstash/certs/logstash-forwarder.crt
Comma separated list of logstash host:port ? (if empty defaults to localhost:5000)
vagrant.oo.com:5000
Max Consumers? 10
Max Local Consumers (ones for iaas)? 10
What is the authorization key? superuser:amqpas
Additional Java args (default empty)?
Environment Variables to pass to Executor (default empty)?
Location of TrustStore to connect AMQ (If empty no trustStore is used)? /opt/oneops
/inductor/lib/client.ts█

```

```

2016-11-16 06:00:53,746 INFO Config:301 using dns config: /opt/oneops/inductor/global/dns.conf
2016-11-16 06:00:53,746 INFO Config:318 not a public inductor - missing: /opt/oneops/inductor/global/dns.conf
2016-11-16 06:00:53,942 INFO CachingConnectionFactory:311 Established shared
JMS Connection: ActiveMQConnection (id=ID:ip-172-31-52-21.ec2.internal-51080-147927
6053050-1.1,clientId=null,started=false)
2016-11-16 06:00:54,243 INFO FailoverTransport:1065 Successfully connected to s
sl://localhost:61617?keepAlive=true
2016-11-16 06:00:54,332 INFO Listener:146 /opt/oneops/inductor/clouds-availab
le/SecureCloud/data free space #0: 28566
2016-11-16 06:00:54,332 INFO Listener:92 Inductor! Config ipAddr='172.31.52
.21 (eth0)', circuitDir='/opt/oneops/inductor/packer', inQueue='SecureCloud.ind-mo'
, retryCount=2, ipAttribute='public_ip', dataDir='/opt/oneops/inductor/clouds-avail
able/SecureCloud/data', mgmtDomain='localhost', perfCollectorCertLocation='/etc/pki
/tls/logstash/certs/logstash-forwarder.crt', mgmtUrl='http://localhost:9090', mgmtC
ert='/etc/pki/tls/logstash/certs/logstash-forwarder.crt', dnsEnabled='on', dnsDisab
led=false, dnsConfigFile='/opt/oneops/inductor/global/dns.conf', debugMode='on', lo
calMaxConsumers=10, rsyncTimeout=30, bomClasses=[bom-fcdn, bom-ib], rfcActions=[del
etc], cmdTimeout=10, stubbedCloudsList=[], stubResponseTimeInSeconds=5, stubResultC
ode=1, envs={}, semaphore=java.util.concurrent.Semaphore@343570b7[Permits = 10]
2016-11-16 06:00:54,340 INFO DefaultLifecycleProcessor:341 Starting beans in p
hase 2147483647
2016-11-16 06:00:54,400 INFO FailoverTransport:1065 Successfully connected to s
sl://localhost:61617?keepAlive=true

```

```

[oadmin@ip-172-31-52-21 inductor]$ inductor status
586
consumer ok shared
734
consumer ok SecureCloud
[oadmin@ip-172-31-52-21 inductor]$ inductor stop SecureCloud
stop SecureCloud consumer
stop logstash agent /opt/oneops/inductor/clouds-enabled/SecureCloud
[oadmin@ip-172-31-52-21 inductor]$ inductor status
586
consumer ok shared
consumer down SecureCloud
[oadmin@ip-172-31-52-21 inductor]$ inductor disable SecureCloud
disable SecureCloud
[oadmin@ip-172-31-52-21 inductor]$ inductor status
586
consumer ok shared
[oadmin@ip-172-31-52-21 inductor]$

```

```

[root@ip-172-31-52-21 circuit-oneops-1]# ls -l
total 24
drwxr-xr-x. 2 root root 4096 Sep 29 21:15 catalogs
-rw-r--r--. 1 root root 314 Sep 7 22:32 CHANGELOG.md
drwxr-xr-x. 2 root root 4096 Nov 16 20:13 clouds
drwxr-xr-x. 4 root root 36 Sep 7 22:32 components
-rw-r--r--. 1 root root 60 Sep 7 22:32 Gemfile
drwxr-xr-x. 3 root root 4096 Nov 16 20:46 packs
-rw-r--r--. 1 root root 171 Sep 7 22:32 README.md
[root@ip-172-31-52-21 circuit-oneops-1]#

```



```

name "aws"
description "Amazon Web Services"
auth "awssecretkey"

service "ebs",
:cookbook => 'ebs',
:source => [Chef::Config[:register], Chef::Config[:version].split(".").first].join('.'),
:provides => ( :service => 'storage' )

service "elb",
:cookbook => 'elb',
:source => [Chef::Config[:register], Chef::Config[:version].split(".").first].join('.'),
:provides => ( :service => 'lb' )

service "s3",
:cookbook => 's3',
:source => [Chef::Config[:register], Chef::Config[:version].split(".").first].join('.'),
:provides => ( :service => 'filestore' )

service "route53",
:cookbook => 'route53',
}
'aws.rb' 28L, 932C

```

```

# depends_on
[ { :from => 'php', :to => 'os' },
  { :from => 'php', :to => 'apache' },
  { :from => 'php', :to => 'library' },
  { :from => 'php', :to => 'download' },
  { :from => 'phpapp', :to => 'php' },
  { :from => 'website', :to => 'phpapp' },
  { :from => 'website', :to => 'php' } ].each do |link|
  relation "#{link[:from]}:depends_on:#{link[:to]}",
    :relation_name => 'DependsOn',
    :from_resource => link[:from],
    :to_resource => link[:to],
    :attributes => { "flex" => false, "min" => 1, "max" => 1 }
end

# managed_via
[ 'php', 'phpapp' ].each do |from|
  relation "#{from}:managed_via:compute",
    :except => [ '_default' ],
    :relation_name => 'ManagedVia',
    :from_resource => from,
    :to_resource => 'compute',
    :attributes => { }
end
end

```

```

[root@ip-172-31-52-21 circuit-oneops-1]# circuit
Commands:
circuit clouds      # Clouds Sync
circuit create     # Setup Environment for cookbook/Pack creation
circuit help [COMMAND] # Describe available commands or one specific command
circuit init       # Initialize the circuit
circuit install    # Install the circuit
circuit model      # Model Sync
circuit packs      # Pack Sync
circuit register   # Register source

[root@ip-172-31-52-21 circuit-oneops-1]#

```

```

package_name: catalog
package_name: bom
package_name: manifest
Processing metadata for zookeeper from /home/oneops/build/circuit-oneops-1/components/cookbooks/zookeeper/metadata.rb
Skipping metadata for class zookeeper since --relations option is specified
package_name: mgmt.catalog
package_name: mgmt.manifest
package_name: catalog
package_name: manifest
package_name: bom
Metadata cache status update http response code : 200
Model synced!
  running knife register
Ensuring namespace /public exists
Registering source oneops in namespace /public
Updating source oneops
Successfully registered source oneops
Successfully created packs namespace for source oneops
Source registered!
  running knife pack sync --
source: /public/oneops/packs
Pack apache version 1 matches signature 128984fe5847fb61a9b564f05f935d54, use --rel
oad to force load.
source: /public/oneops/packs
Pack cassandra version 1 matches signature 7dc4fc6fa57b32e79a1b564f6e11de78, use --

```

Source	
Version*	<input checked="" type="checkbox"/> default <input type="checkbox"/> 5.5.30 <input type="checkbox"/> 5.5.37 <input type="checkbox"/> 5.5.38
Installation Type*	<input type="checkbox"/> 5.5.38

```

description "Installs/Configures PIP"
version "0.1"
maintainer "OneOps"
maintainer_email "support@oneops.com"
license "Apache License, Version 2.0"

grouping 'default',
:access => "global",
:packages => [ 'base', 'mgmt.catalog', 'catalog', 'mgmt.manifest', 'manifest', 'bom'
 ]

# installation attributes
||
attribute 'version',
:description => 'Version',
:required => 'required',
:default => '5.5.3',
:format => {
:important => true,
:help => "PIP Version",
:category => '1.Source',
:order => 1,
:form => { :field => 'select', :options_for_select => [['default', 'default'], [
'5.5.30', '5.5.30'], ['5.5.37', '5.5.37'], ['5.5.38', '5.5.38'], ['5.6.28', '5.6.28']
]}
}

```

Source	
Version*	<input checked="" type="checkbox"/> default <input type="checkbox"/> 5.5.30 <input type="checkbox"/> 5.5.37 <input type="checkbox"/> 5.5.38 <input type="checkbox"/> 5.6.28
Installation Type*	<input type="checkbox"/> 5.5.38

Chapter 8: Building Components for OneOps

```
ue&nsPath=%2F0neOps%2Ftest&releaseState=closed
HTTP Get (6.8ms) http://cmsapi:8080/adaptor/rest/dj/simple/releases?latesttr
ue&nsPath=%2F0neOps%2Ftest%2Fdev%2Fmanifest
HTTP Get (8.8ms) http://cmsapi:8080/adaptor/rest/dj/simple/releases?nsPath=%2
F0neOps%2Ftest%2Fdev%2Fbom&releaseState=open
HTTP Get (58.6ms) http://cmsapi:8080/adaptor/rest/dj/simple/deployments?late
st=true&nsPath=%2F0neOps%2Ftest%2Fdev%2Fbom
HTTP Get (29.9ms) http://cmsapi:8080/adaptor/rest/dj/simple/relations?ciId=14
7319&direction=from&relationShortName=ComposedOf&targetClassName=manifest.Platfo
rm
HTTP Get (15.6ms) http://cmsapi:8080/adaptor/rest/dj/simple/relations?nsPath=
%2F0neOps%2Ftest%2Fdev%2Fmanifest&relationShortName=linksTo
HTTP Post (8.8ms) http://search:9200/cms/release/_search
HTTP Get (69.4ms) http://cmsapi:8080/adaptor/rest/dj/simple/relations?ciId=14
7319&direction=from&relationName=base.Consumes&targetClassName=account.Cloud
HTTP Get (17.6ms) http://cmsapi:8080/adaptor/rest/cm/simple/relations?include
ToCi=true&nsPath=%2F0neOps%2Ftest%2Fdev&recursive=true&relationName=base.Consume
s&targetClassName=account.Cloud
HTTP Get (8.3ms) http://cmsapi:8080/adaptor/rest/cm/simple/relations?nsPath=%
2F0neOps%2Ftest%2Fdev%2Fbom&recursive=true&relationShortName=DeployedTo
HTTP Get (5.6ms) http://cmsapi:8080/adaptor/rest/cm/simple/cis?ciClassName=ac
count.Environment&nsPath=%2F0neOps
HTTP Get (8.6ms) http://cmsapi:8080/adaptor/rest/cm/simple/cis?ciClassName=ac
count.Cloud&nsPath=%2F0neOps%2F_clouds
```

```
[root@localhost tomcat]# pwd
/opt/oneops/inductor/circuit-oneops-1/components/cookbooks/tomcat
[root@localhost tomcat]# ls -l
total 32
drwxr-xr-x. 2 root root 23 Feb 25 23:14 attributes
drwxr-xr-x. 2 root root 38 Feb 25 23:14 doc
drwxr-xr-x. 3 root root 38 Feb 25 23:14 files
drwxr-xr-x. 2 root root 20 Feb 25 23:14 libraries
-rw-r--r--. 1 root root 22046 Feb 25 23:14 metadata.rb
-rw-r--r--. 1 root root 782 Feb 25 23:14 README.md
drwxr-xr-x. 2 root root 4896 Feb 25 23:14 recipes
drwxr-xr-x. 3 root root 20 Feb 25 23:14 templates
[root@localhost tomcat]#
```

```
## Tomcat
tversion = *tomcat*+node[:tomcat][:version][0,1]
default["tomcat"]["port"] = 8080
default["tomcat"]["server_port"] = 8085
default["tomcat"]["ssl_port"] = 8443
default["tomcat"]["ajp_port"] = 8009
default["tomcat"]["java_options"] = "-Djava.awt.headless=true"
default["tomcat"]["use_security_manager"] = false
default["tomcat"]["webapp_install_dir"] = "/var/lib/#{tversion}/webapps"
default["tomcat"]["stop_time"] = 45
# Default thread pool configuration
default["tomcat"]["executor"]["executor_name"] = 'tomcatThreadPool'
default["tomcat"]["executor"]["max_threads"] = '50'
default["tomcat"]["executor"]["min_spare_threads"] = '25'
# Default TLS Ciphers.
# Note the cipher list is not updated if different TLS versions are enabled/dis
abled. Tomcat chooses the appropriate ciphers from this list based on the TLS ve
rsions enabled.
[]
[]
[]
[]
"default.rb" 64L, 3826C
```

```
[root@localhost tomcat]# ls -l
total 32
drwxr-xr-x. 2 root root 23 Mar 15 19:56 attributes
drwxr-xr-x. 2 root root 28 Feb 25 23:14 doc
drwxr-xr-x. 3 root root 28 Feb 25 23:14 files
drwxr-xr-x. 2 root root 28 Feb 25 23:14 libraries
-rw-r--r--. 1 root root 22846 Feb 25 23:14 metadata.rb
-rw-r--r--. 1 root root 782 Feb 25 23:14 README.md
drwxr-xr-x. 2 root root 4096 Feb 25 23:14 recipes
drwxr-xr-x. 3 root root 28 Feb 25 23:14 templates
[root@localhost tomcat]# ls -l files
total 4
-rw-r--r--. 1 root root 688 Feb 25 23:14 context.xml
drwxr-xr-x. 2 root root 24 Feb 25 23:14 default
[root@localhost tomcat]# ls -l files/default/
total 4
-rw-r--r--. 1 root root 782 Feb 25 23:14 ROOT.tar.gz
[root@localhost tomcat]#
```

```
[root@localhost tomcat]# more libraries/util.rb
def get_attribute_value(attr_name)
  node.workorder.rfcCi.ciBaseAttributes.has_key?(attr_name)? node.workorder.rfcCi.ciBaseAttributes[attr_name] : node.tomcat[attr_name]
end

def tom_ver
  case node.tomcat.install_type
  when "repository"
    return "tomcat"
  when "binary"
    return "tomcat"+node[:tomcat][:version][0,1]
  end
end

def exit_with_error(msg)
  Chef::Log.error(msg)
  puts "***FAULT:FATAL-#{msg}"
  Chef::Application.fatal!(msg)
end

[root@localhost tomcat]#
```

```
[root@localhost recipes]# pwd
/opt/oneops/inductor/circuit-oneops-1/components/cookbooks/tomcat/recipes
[root@localhost recipes]# ls
add_binary.rb  default.rb  restart.rb  update.rb
add.rb        delete.rb   setwrapperattribs.rb  validateAppVersion.rb
add_repo.rb   force-restart.rb  start.rb    versionstatus.rb
build.rb      force-stop.rb  status.rb
cleanup.rb    repair.rb      stop.rb
debug.rb      replace.rb     ThreadDump.rb
[root@localhost recipes]#
```

```
##
# Dynamically generated by Chef on <%= node.workorder.rfcCi.ciName %> in namespace <%= node.workorder.rfcCi.nsPath %>
#
# Local modifications will be overwritten by Chef.
#
# Run Tomcat as this user ID. Not setting this or leaving it blank will use the # default of TOMCAT.
<%
if node["tomcat"].has_key?("tomcat_user") && !node["tomcat"]["tomcat_user"].empty?
  %>
  TOMCAT_USER=<%= node["tomcat"]["tomcat_user"] %>
<%
else
  %>
  TOMCAT_USER=<%= node["tomcat"]["user"] %>
<%
end
%>

# Run Tomcat as this group ID. Not setting this or leaving it blank will use "templates/default/default_tomcat.erb" 97L, 3234C
```

```

name "Tomcat"
description "Installs/Configures tomcat"
version "0.1"
maintainer "OneOps"
maintainer_email "support@oneops.com"
license "Apache License, Version 2.0"
depends "shared"
depends "javaservicewrapper"

grouping 'default',
  :access => "global",
  :packages => ['base', 'mgmt.catalog', 'mgmt.manifest', 'catalog', 'manifest', 'bcm']

# installation attributes
attribute :install_type, "Installation Type",
  :description => "Installation Type",
  :required => "required",
  :default => "repository",
  :format => {
    :category => '1.Global',
  }

```

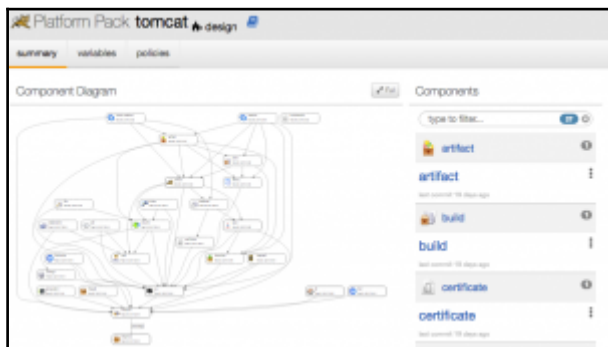
```

:from_resource => 'tomcat-daemon',
:to_resource => 'keystore',
:attributes => { :propagate_to => "from", "flex" => false, "min" => 1, "max" => 1 }

relation "keystore::depends_on::certificate",
  :relation_name => 'DependsOn',
  :from_resource => 'keystore',
  :to_resource => 'certificate',
  :attributes => { :propagate_to => "from", "flex" => false, "min" => 1, "max" => 1 }

# managed_via
[ 'tomcat', 'artifact', 'build', 'java', 'keystore', 'tomcat-daemon' ].each do |from|
  relation "#(from)::managed_via::compute",
    :except => [ '_default' ],
    :relation_name => 'ManagedVia',
    :from_resource => from,
    :to_resource => 'compute',
    :attributes => { }
end
"tomcat.rb" line 295 of 295 --100%-- col 1

```



Chapter 9: Adding and Managing OneOps Components

```
[root@ip-172-31-52-21 circuit-oneops-1]# knife model create orientdb
** Creating cookbook orientdb
/home/oneops/build/circuit-oneops-1/components/cookbooks : orientdb
** Creating README for cookbook: orientdb
** Creating CHANGELOG for cookbook: orientdb
[root@ip-172-31-52-21 circuit-oneops-1]# ls components/cookbooks/orientdb/
attributes  definitions  libraries  providers  recipes  templates
CHANGELOG.md  files      metadata.rb  README.md  resources
[root@ip-172-31-52-21 circuit-oneops-1]#
```

```
grouping 'default',
  :access => 'global',
  :packages => ['base', 'mgmt.catalog', 'mgmt.manifest', 'catalog', 'manifest', 'bon']

attribute 'version',
  :description => 'Version',
  :required => 'required',
  :default => '2.2.15',
  :format => {
    :help => 'Version of OrientDB',
    :category => '1.Global',
    :order => 1,
    :form => { :field => 'select', :options_for_select => [['2.2.15', '2.2.15'], ['2.2.15', '2.2.15']] }
  }

recipe 'status', "orientdb Status"
recipe 'start', "orientdb Start"
recipe 'stop', "orientdb Stop"
recipe 'restart', "orientdb Restart"
recipe 'repair', "orientdb Repair"
```



```
[root@ip-172-31-52-21 circuit-oneops-1]# knife model sync orientdb
Processing metadata for orientdb from /home/oneops/build/circuit-oneops-1/components/cookbooks/orientdb/metadata.rb
Updating class base.oneops.1.Orientdb
Successfully saved class base.oneops.1.Orientdb
Updating class mgmt.catalog.oneops.1.Orientdb
Successfully saved class mgmt.catalog.oneops.1.Orientdb
Updating class mgmt.manifest.oneops.1.Orientdb
Successfully saved class mgmt.manifest.oneops.1.Orientdb
Updating class catalog.oneops.1.Orientdb
Successfully saved class catalog.oneops.1.Orientdb
Updating class manifest.oneops.1.Orientdb
Successfully saved class manifest.oneops.1.Orientdb
Updating class bom.oneops.1.Orientdb
Successfully saved class bom.oneops.1.Orientdb
remote_dir:
  <Fog::Storage::Local::Directory
    key="cma"
  >
package_name: mgmt.catalog
package_name: mgmt.manifest
package_name: catalog
package_name: manifest
package_name: bom
[root@ip-172-31-52-21 circuit-oneops-1]#
```

Class Definition Detail

base.oneops.1.Orientdb

<i>Short Class Name:</i>	Orientdb
<i>Access Level:</i>	global
<i>Implementation:</i>	oo::chef-11.18.12
<i>Is Namespace:</i>	false
<i>Use class name in ns:</i>	false
<i>Description:</i>	Installs/Configures orientdb
<i>Created:</i>	Mon Feb 20 20:54:16 UTC 2017

Pack Source:

Pack Name:

Pack Version:

Connects To Platforms

- Please select
- Automation**
- Ansible
- Content Caching**
- Squid
- Database NoSQL**
- Cassandra
- CouchBase
- RedisIO
- Database Relational SQL**
- MySQL
- Governor based PostgreSQL
- PostgreSQL
- MS SQL Server
- Distributed Filesystems**
- GlusterFS
- Infrastructure Service**
- Docker
- Haproxy
- Kubernetes

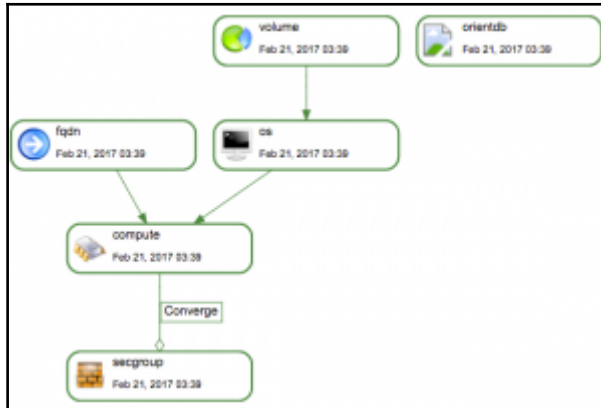
```
[root@ip-172-31-62-21 packs]# ls
activemq.rb          es.rb               kibans.rb           puppetexample.rb
ansible.rb          flamegraph.rb      kubernetes-app.rb  python.rb
apache.rb           genericdb.rb       kubernetes.rb      rabbitmq.rb
base.rb             genericlb.rb       lbdb.rb            rails-nginx.rb
cassandra.rb        genericmq.rb       mssql.rb           rails.rb
cluster.rb          generic_ring.rb    mysql.rb            redisio.rb
containerizedlb.rb glusterfs.rb       nfs.rb             ruby.rb
containerizedlb.rb go.rb              nginx.rb           selrcloud.rb
couchbase.rb        graphite.rb         nodejs.rb          squid.rb
customlb.rb         haproxy.rb         node.rb            tomcat-2.rb
custom.rb           iis.rb             php.rb             tomcat.rb
doo                 inductor.rb        play.rb            zookeeper.rb
docker.rb           javalib.rb         postgresql-governor.rb
dotnet-framework.rb java.rb             postgresql.rb
dotnet.rb           jboss.rb           powerdns.rb
[root@ip-172-31-62-21 packs]#
```



```

Updating monitor ssh for compute in mgmt.manifest
Successfully saved monitor ssh for compute in mgmt.manifest
Updating monitor cpu for os in mgmt.manifest
Successfully saved monitor cpu for os in mgmt.manifest
Updating monitor load for os in mgmt.manifest
Successfully saved monitor load for os in mgmt.manifest
Updating monitor disk for os in mgmt.manifest
Successfully saved monitor disk for os in mgmt.manifest
Updating monitor mem for os in mgmt.manifest
Successfully saved monitor mem for os in mgmt.manifest
Updating monitor network for os in mgmt.manifest
Successfully saved monitor network for os in mgmt.manifest
Updating monitor logstashprocess for logstash in mgmt.manifest
Successfully saved monitor logstashprocess for logstash in mgmt.manifest
Updating monitor usage for volume in mgmt.manifest
Successfully saved monitor usage for volume in mgmt.manifest
Updating monitor process for daemon in mgmt.manifest
Successfully saved monitor process for daemon in mgmt.manifest
Updating monitor ExpiryMetrics for certificate in mgmt.manifest
Successfully saved monitor ExpiryMetrics for certificate in mgmt.manifest
Uploaded pack orientdb
Updating pack orientdb
Updating pack orientdb version 1
Successfully saved pack orientdb version 1
[root@ip-172-31-52-21 circuit-oneops-1]#

```



```

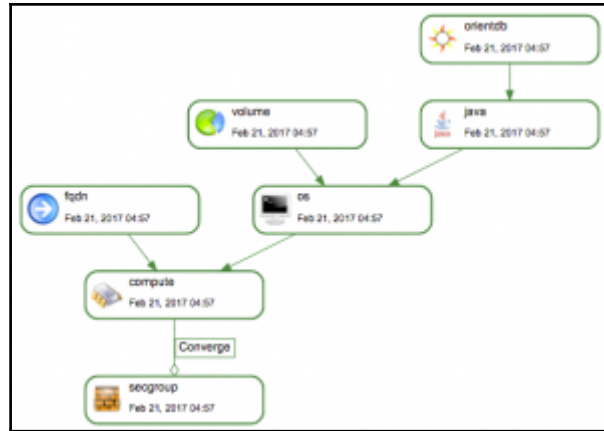
        :version => '7'
    }
}

#depends_on
[ { :from => 'orientdb', :to => 'os' },
  { :from => 'orientdb', :to => 'java' },
  { :from => 'java', :to => 'os' }, ].each do |link|
  relation "#{link[:from]}::depends_on::#{link[:to]}",
    :relation_name => 'DependsOn',
    :from_resource => link[:from],
    :to_resource => link[:to],
    :attributes => { "flex" => false, "min" => 1, "max" => 1 }
end

#managed_via
['orientdb','java'].each do |from|
  relation "#{from}::managed_via::compute",
    :except => [ '_default' ],
    :relation_name => 'ManagedVia',
    :from_resource => from,
    :to_resource => 'compute',
    :attributes => {}
end

"orientdb.rb" 55L, 1278C written

```



step 1	sshkeys orientdb ODB v1	primary	+1	✓ 1
step 2	segroup orientdb ODB v1	primary	+1	✓ 1
step 3	compute orientdb ODB v1	primary	+1	✓ 1
step 4	fqdn orientdb ODB v1	primary	+1	✓ 1
	os orientdb ODB v1	primary	+1	✗ 1
step 5	java orientdb ODB v1	primary	+1	○ 1
	volume orientdb ODB v1	primary	+1	○ 1
step 6	orientdb orientdb ODB v1	primary	+1	○ 1

```
name 'Orientdb'
maintainer 'OneOps'
maintainer_email 'support@oneops.com'
license 'Apache'
description 'Installs/Configures orientdb'
long_description IO.read(File.join(File.dirname(__FILE__), 'README.md'))
version '0.1'
depends 'apt'
depends 'tar'

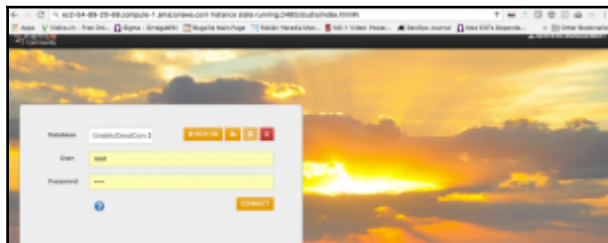
grouping 'default',
  :access => 'global',
  :packages => ['base', 'mgmt.catalog', 'mgmt.manifest', 'catalog', 'manifest', 'bin']

attribute 'version',
  :description => 'Version',
  :required => 'required',
  :default => '2.2.16',
  :format => {
    :help => 'Version of OrientDB',
    :category => '1.Global',
    :order => 1,
  }
"metadata.rb" 31L, 881C
```

```
name 'Orientdb'
maintainer 'OneOps'
maintainer_email 'support@oneops.com'
license 'Apache'
description 'Installs/Configures orientdb'
long_description IO.read(File.join(File.dirname(__FILE__), 'README.md'))
version '0.1'
depends 'apt', '= 3.8.0'
depends 'tar', '= 1.1.0'

grouping 'default',
  :access => 'global',
  :packages => ['base', 'mgmt.catalog', 'mgmt.manifest', 'catalog', 'manifest', 'bin']

attribute 'version',
  :description => 'Version',
  :required => 'required',
  :default => '2.2.16',
  :format => {
    :help => 'Version of OrientDB',
    :category => '1.Global',
    :order => 1,
  }
"metadata.rb" 31L, 881C
```



```
default['orientdb']['user']['id'] = 'orientdb'

default['orientdb']['version'] = '2.0.3'
default['orientdb']['flavour'] = 'community'

default['orientdb']['base_tarball_url'] = 'http://www.orientdb.com/download.php?email=unknown@unknown.com&os=linux&file=orientdb'

default['orientdb']['installation_directory'] = '/opt/orientdb'

default['orientdb']['default_init_script'] = "#{default['orientdb']['installation_directory']}/bin/orientdb.sh"
default['orientdb']['init_script'] = '/etc/init.d/orientdb'

default['orientdb']['db_user'] = 'admin'
default['orientdb']['db_password'] = 'admin'

default['orientdb']['hazelcast']['nodeName'] = node.name
default['orientdb']['hazelcast']['enabled'] = true
default['orientdb']['hazelcast']['group']['name'] = 'orientdb'
default['orientdb']['hazelcast']['group']['password'] = 'orientdb'
default['orientdb']['hazelcast']['network']['port'] = '2434'

default['orientdb']['hazelcast']['network']['join']['mode'] = 'multicast'
"default.rb" 57L, 2661C
```

Chapter 10: Adding Your Own Cloud to OneOps

```
[root@ip-172-31-52-21 circuit-oneops-1]# pwd
/opt/oneops/inductor/circuit-oneops-1
[root@ip-172-31-52-21 circuit-oneops-1]# ls -l
total 32
drwxr-xr-x. 2 root root 4096 Sep 29 21:15 catalogs
-rw-r--r--. 1 root root 314 Sep 7 22:32 CHANGELOG.md
drwxr-xr-x. 2 root root 4096 Jan 18 23:11 clouds
drwxr-xr-x. 4 root root 36 Sep 7 22:32 components
-rw-r--r--. 1 root root 60 Sep 7 22:32 Gemfile
-rw-r--r--. 1 root root 7782 Nov 17 03:01 Gemfile.lock
drwxr-xr-x. 3 root root 4096 Jan 18 19:03 packs
-rw-r--r--. 1 root root 171 Sep 7 22:32 README.md
[root@ip-172-31-52-21 circuit-oneops-1]#
```

Applications & API

[Tokens](#) [Apps](#) [Access](#)

Personal access tokens Generate New Token

Tokens you have generated to access the [DigitalOcean API](#).

Name	Scope	Created
OneOps	read write	20 days ago More

Personal access tokens function like a combined name and password for API authentication.

```
"name": "WordPress on 14.04",
"name": "Dokku 0.6.5 on 14.04",
"name": "ownCloud 9.0.3 on 14.04",
"name": "Magento 2.0.7 CE on 14.04",
"name": "LAMP on 14.04",
"name": "LEMP on 14.04",
"name": "NodeJS 6.9.1 on 14.04",
"name": ".NET Core w/ PowerShell on 16.04",
"name": "Dokku 0.7.2 on 16.04",
"name": "MEAN 0.5.0 on 16.04",
"name": "Docker 1.12.4 on 16.04",
"name": "Ruby-on-Rails 5.0.1 on 16.04",
"name": "NodeJS 6.9.4 on 16.04",
"name": "MongoDB 3.2.11 on 16.04",
"name": "LEMP on 16.04",
"name": "WordPress 4.7 on 16.04",
"name": "LAMP on 16.04",
"name": "Django 1.8.7 on 16.04",
"name": "Ghost 0.11.4 on 16.04",
"name": "Docker 1.12.6 on 16.04",
"name": "GitLab 8.15.4-ce.1 on 16.04",
"name": "Redmine on 14.04",
[root@ip-172-31-52-21 circuit-oneops-1]#
```

Choose a size

Standard High memory

<p>\$5 <small>1mo</small> <small>\$600</small> <small>1mo</small></p> <p>10 GB 1 CPU 20 GB SSD disk 1000 GB transfer</p>	<p>\$10 <small>1mo</small> <small>\$120</small> <small>1mo</small></p> <p>10 GB 1 CPU 30 GB SSD disk 2 TB transfer</p>	<p>\$20 <small>1mo</small> <small>\$600</small> <small>1mo</small></p> <p>20 GB 2 CPUs 40 GB SSD disk 3 TB transfer</p>	<p>\$40 <small>1mo</small> <small>\$600</small> <small>1mo</small></p> <p>40 GB 2 CPUs 60 GB SSD disk 4 TB transfer</p>	<p>\$80 <small>1mo</small> <small>\$975</small> <small>1mo</small></p> <p>80 GB 4 CPUs 80 GB SSD disk 5 TB transfer</p>	<p>\$160 <small>1mo</small> <small>\$2250</small> <small>1mo</small></p> <p>160 GB 8 CPUs 80 GB SSD disk 6 TB transfer</p>
<p>\$320 <small>1mo</small> <small>\$2250</small> <small>1mo</small></p> <p>320 GB 16 CPUs 120 GB SSD disk 7 TB transfer</p>	<p>\$480 <small>1mo</small> <small>\$2700</small> <small>1mo</small></p> <p>480 GB 24 CPUs 160 GB SSD disk 8 TB transfer</p>	<p>\$640 <small>1mo</small> <small>\$3600</small> <small>1mo</small></p> <p>640 GB 32 CPUs 240 GB SSD disk 9 TB transfer</p>			

```

)
attribute 'region',
  :description => 'Region',
  :default => '',
  :format => {
    :help => 'Region Name',
    :category => '2.Placement',
    :order => 1
  }
}
attribute 'availability_zones',
  :description => 'Availability Zones',
  :data_type => 'array',
  :default => '[]',
  :format => {
    :help => 'Availability Zones - Singles will round robin, Redundant will use platform id',
    :category => '2.Placement',
    :order => 2
  }
}

```

```

repo_map = {
  'centos-7.2' => "sudo yum clean all;sudo yum -d0 -e0 -y install rsync yum-u
tills; sudo yum -d0 -e0 -y install epel-release; sudo yum -d0 -e0 -y install gcc-
c++",
  'centos-7.0' => "sudo yum clean all;sudo yum -d0 -e0 -y install rsync yum-u
tills; sudo yum -d0 -e0 -y install epel-release; sudo yum -d0 -e0 -y install gcc-
c++"
}
service "digitalocean-droplet",
  :description => 'Digital Ocean Droplet',
  :cookbook => 'digitalocean',
  :source => [Chef::Config[:register], Chef::Config[:version].split(".").first]
.join('.'),
  :provides => { :service => 'compute' },
  :attributes => {
    :region => '',
    :api_key => '',
    :subnet => '',
    :image_map => image_map,
    :repo_map => repo_map
  }
}

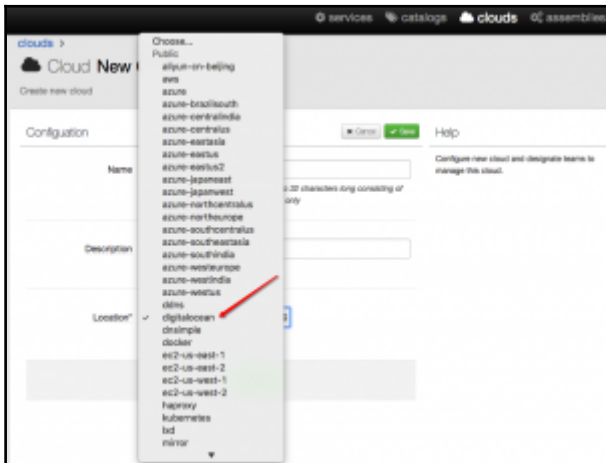
```



```

[root@ip-172-31-62-21 circuit-oneops-1]# knife model sync digitalocean
Processing metadata for digitalocean from /home/oneops/build/circuit-oneops-1/components/cookbooks/digitalocean/metadata.rb
Updating class base.oneops.1.Digitalocean
Successfully saved class base.oneops.1.Digitalocean
Updating class mgmt.cloud.service.oneops.1.Digitalocean
Successfully saved class mgmt.cloud.service.oneops.1.Digitalocean
Updating class cloud.service.oneops.1.Digitalocean
Successfully saved class cloud.service.oneops.1.Digitalocean
remote_dir:
  <Fog::Storage::Local::Directory
    key="cms"
  >
package_name: mgmt.cloud.service
package_name: cloud.service
doc: /home/oneops/build/circuit-oneops-1/components/cookbooks/digitalocean/doc/Digitalocean.png remote: oneops.1.Digitalocean/Digitalocean.png
doc: /home/oneops/build/circuit-oneops-1/components/cookbooks/digitalocean/doc/Digitalocean.png remote: service.oneops.1.Digitalocean/Digitalocean.png
doc: /home/oneops/build/circuit-oneops-1/components/cookbooks/digitalocean/doc/Digitalocean.png remote: service.oneops.1.Digitalocean/Digitalocean.png
[root@ip-172-31-62-21 circuit-oneops-1]# knife cloud sync digitalocean
Starting sync for cloud digitalocean

```



```

require 'fog/digitalocean'

cloud_name = node[:workorder][:cloud][:ciName]
attributes = node[:workorder][:services][:compute][cloud_name][:ciAttributes]
Chef::Log.debug("Public key: " + node.keypair.public)
conn = Fog::Compute.new({
  :provider => 'DigitalOcean',
  :digitalocean_token => attributes[:key]
})
key = conn.ssh_keys.get(node.kp_name)
if key == nil
  key = conn.ssh_keys.create(
    :name => node.kp_name,
    :ssh_pub_key => node.keypair.public,
    :public_key => node.keypair.public
  )
  Chef::Log.info("import keypair: " + key.inspect)
else
  Chef::Log.info("existing keypair: #{key.inspect}")
end

*_add_keypair_digitalocean.rb* 22L, 626C

```

SSH keys		Add SSH Key
Name	Fingerprint	
oneops_key140653.devruby140687	9c733b4f185d5d96c444067f027951451	More ▾
oneops_key137799.Dev137834	212tdt6bd33fe4e95e24249854f63d92	More ▾

```

#
# supports openstack keypair::delete
#
cloud_name = node[:workorder][:cloud][:ciName]
token = node[:workorder][:services][:compute][cloud_name][:ciAttributes]

conn = Fog::Compute.new({
  :provider => 'DigitalOcean',
  :digitalocean_token => token[:key]
})
node.set["kp_name"] = node.kp_name.gsub(".", "-")

# delete if exists
if !conn.ssh_keys.get(node.kp_name).nil?
  conn.ssh_key.destroy(node.kp_name)
  Chef::Log.info("deleted keypair: #{node.kp_name}")
else
  Chef::Log.info("already deleted keypair: #{node.kp_name}")
end
-
"del_keypair_digitalocean.rb" 21L, 537C

```

Attributes		Of Edit
Name	DigitalOcean	
Id	137612	
Namespace	/OneOps/clouds	
Created	10 days ago by nimkar	
Policy Compliance	passed	
	Global	
Description	<input type="text"/>	
	Management	
Location*	<input type="text" value="/public/oneops/clouds/digitalocean"/>	

clouds > Cloud DigitalOcean >

Service DigitalOcean

Change service configuration.

configuration offerings

Attributes QF Edit

Name	digitalocean-droplet
Id	137635
Namespace	/OneOps/_clouds/DigitalOcean
Created	9 days ago by nimkar
Updated	1 day ago by nimkar
Policy Compliance	passed

Authentication

Access Key* [REDACTED]

DigitalOcean URL*

step 1 **sshkeys** DigitalOcean +1
0.4 sec ruby Ruby v1 ✓ 1

step 2 **secgroup** DigitalOcean +1
0.8 sec ruby Ruby v1 ✓ 1

step 3 **compute** DigitalOcean +1
ruby Ruby v1 ✓ 1

+ compute-137612-1 Changes Log ✓

done

▼ All Info Warnings Errors Auto Scroll 🔄 🔍

```
UserKnownHostsFile=/dev/null /opt/oneops/inductor/shared/lookbooks/monitor/files/default$
root@192.241.134.230:~# vagrant _ibexcc/ returned:
[2017-01-19T18:32:00+00:00] INFO: ssh -i /tmp/fb7hg1788eo3a83o2c4vugtk2oqdvlab -o
StrictHostKeyChecking=no -o UserKnownHostsFile=/dev/null root@192.241.134.230 "sudo mv
~/vagrant_ibexcc/ /opt/vagrant/ibexcc/" returned:
[2017-01-19T18:32:00+00:00] INFO: ssh -i /tmp/fb7hg1788eo3a83o2c4vugtk2oqdvlab -o
StrictHostKeyChecking=no -o UserKnownHostsFile=/dev/null root@192.241.134.230 "sudo cp -r
/tmp/v3[2]pportapemmtjpk034sur164c0td" /etc/vagrant; sudo cp -r
/tmp/v3[2]pportapemmtjpk034sur164c0td/perf /opt/oneops; sudo chmod +x /opt/vagrant/ibexcc/"
returned:
[2017-01-19T18:32:00+00:00] INFO: ruby_block[setup vagrant] called
[2017-01-19T18:32:00+00:00] INFO: Running report handlers
[2017-01-19T18:32:00+00:00] INFO: Chef Run complete in 197.536600034 seconds
```

Chapter 11: Integrating with OneOps Using API

profile authentication organizations groups notifications features

Change Password API Token

New password

Password confirmation

Current password

```
[centos@ip-172-31-52-21 ~]$ curl -i -u "6FvtzqFmep6VctrTg3E": -H "Content-Type:application/json" -H "Accept:application/json" -X GET -v $(command) 2>/dev/null
HTTP/1.1 200 OK
X-Frame-Options: SAMEORIGIN
X-XSS-Protection: 1; mode=block
X-Content-Type-Options: nosniff
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: Thu, 01 Jan 1970 00:00:00 GMT
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: POST, GET, PUT, DELETE, OPTIONS
Access-Control-Allow-Headers: Origin, X-Requested-With, Token, Authorization, Content-Type, Accept
Access-Control-Max-Age: 86400
Content-Type: application/json; charset=utf-8
X-Request-Id: 85a783b8-8cb6-4d12-8d0e-b520e95fb2b4
X-Runtime: 0.809699
Server: WEBrick/1.3.1 (Ruby/2.0.0/2014-11-13)
Date: Fri, 10 Mar 2017 02:36:09 GMT
Content-Length: 430
Connection: Keep-Alive

[{"id":"1","name":"OneOps","created_at":"2016-09-07T22:43:13.969Z","updated_at":"2016-09-29T21:10:58.077Z","cms_id":"108671","assemblies":{"true","catalogs":{"true","services":{"true","announcement":""},"full_name":"OneOps"},"id":"2","name":"MyOrg","created_at":"2016-10-06T17:15:28.553Z","updated_at":"2016-10-06T17:15:44.903Z","cms_id":"110684","assemblies":{"true","catalogs":{"true","services":{"false","announcement":""},"full_name":"My Organization"}}}]
[centos@ip-172-31-52-21 ~]$
```

```
[root@ip-172-31-52-21 ~]# gem install rest-client
Successfully installed rest-client-2.0.1
1 gem installed
[root@ip-172-31-52-21 ~]# gem install json
Building native extensions. This could take a while...
Successfully installed json-2.0.3
1 gem installed
[root@ip-172-31-52-21 ~]# ruby -v
ruby 2.0.0p990 [2014-11-13] [x86_64-linux]
[root@ip-172-31-52-21 ~]#
```

```
[root@ip-172-31-52-21 ~]# restclient http://ec2-54-91-111-194.compute-1.amazonaws.com:3000 "6FvtzqFmep6VctrTg3E" ""
irb(main):001:0> require "json"
=> true
irb(main):002:0> response = JSON.parse[get "/account/organizations"]
=> [{"id"=>"1", "name"=>"OneOps", "created_at"=>"2016-09-07T22:43:13.969Z", "updated_at"=>"2016-09-29T21:10:58.077Z", "cms_id"=>"108671", "assemblies"=>true, "catalogs"=>true, "services"=>true, "announcement"=>"", "full_name"=>"OneOps"}, {"id"=>"2", "name"=>"MyOrg", "created_at"=>"2016-10-06T17:15:28.553Z", "updated_at"=>"2016-10-06T17:15:44.903Z", "cms_id"=>"110684", "assemblies"=>true, "catalogs"=>true, "services"=>false, "announcement"=>"", "full_name"=>"My Organization"}]
irb(main):003:0> response[1]["name"]
=> "MyOrg"
irb(main):004:0>
```

```
[root@ip-172-31-52-21 ~]# restclient http://ec2-54-91-111-194.compute-1.amazonaws.com:3000 "/api/v1/ops/ctrlg3e" ""
irb(main):001:0> require 'json'
=> true
irb(main):002:0> response = JSON.parse(get("/account/organizations"))
=> [{"id"=>"1", "name"=>"OneOps", "created_at"=>"2016-09-07T22:43:13.969Z", "updated_at"=>"2016-09-29T21:10:58.877Z", "cms_id"=>"188071", "assemblies">true, "catalogs">true, "services">true, "announcement">"", "full_name">"OneOps"}, {"id"=>"2", "name">"MyOrg", "created_at">"2016-10-06T17:15:28.553Z", "updated_at">"2016-10-06T17:15:44.983Z", "cms_id">"118694", "assemblies">true, "catalogs">true, "services">false, "announcement">"", "full_name">"My Organization"}]
irb(main):003:0> orgName = response[0]["name"]
=> "OneOps"
irb(main):004:0> JSON.parse(get("/#{orgName}/clouds.json"))[0]["ciName"]
=> "ODOcloud"
irb(main):005:0> █
```

The screenshot shows a search interface with the following details:

- Search Conditions:**
 - Query: ODO
 - Filters: Namespace: /OneOps, Class: standard
 - Buttons: Quick Search, Run
- Search Results (6 matches):**
 - ODO-os-network
 - ODO-compute-ssh
 - ODO-os-load
 - ODO-os-mem
 - ODO
 - ODO-volume-usage

```
bash-3.2$ ruby assembly.rb
[{"id":1,"name":"OneOps","created_at":"2017-03-12T12:42:22.637Z","updated_at":"2017-03-12T12:43:01.284Z","cms_id":146449,"assemblies":true,"catalogs":true,"services":true,"announcement":"","full_name":"OneOps"}]
bash-3.2$ █
```

```
bash-3.2$ ruby assembly.rb
{"ciId":146473,"ciName":"test","ciClassName":"account.Assembly","impl":{"oo:chef":{"id":"11.4.0","nsPath":"/OneOps","ciGoId":"146451-1005-146473","comments":"assembly to test the REST API","ciState":"default","lastAppliedRfcId":0,"createdBy":"nikkar","updatedBy":null,"created":1489438234295,"updated":1489438234295,"nsId":146451,"ciAttributes":{"owner":"nilesh@releasemanagement.org","description":"this assembly was created via REST API","tags":{"},"attrProps":{"}}}}
bash-3.2$ █
```

The screenshot shows the 'Attributes' page for a CI named 'test' with the following information:

- Name:** test
- Id:** 146473
- Namespace:** /OneOps
- Created:** 12 minutes ago by nikkar
- Policy Compliance:** passed
- Configuration:**
 - Description:** this assembly was created via REST API
 - Owner (Email Address):** nilesh@releasemanagement.org

```

Assembly created => {"ciId":"146653","ciName":"test","ciClassName":"account.Assembly","impl":{"owner":"chef-11.4.0","nsPath":"/OneOps","ciGoid":"146651-1095-146653","comments":"assembly to test the REST API","ciState":"Default","lastAppliedRfId":"0","createdBy":"nimkar","updatedBy":null,"created":"1489463826697","updated":"1489463826697","nsId":"146451","ciAttributes":{"owner":"niles@releasemanagement.org"},"description":"this assembly was created via REST API","tags":{"},"attrProps":{"}}
Platform java added => {"rfcId":"1348","releaseId":"1339","ciId":"146668","nsPath":"/OneOps/test","ciClassName":"catalog.Platform","impl":{"owner":"chef-11.4.0","ciName":"java","ciGoid":"146657-1102-146668","ciState":null,"rfcAction":"add","releaseType":"null","createdBy":"nimkar","updatedBy":null,"rfcCreatedBy":"nimkar","rfcUpdatedBy":null,"execOrder":0,"lastAppliedRfId":null,"comments":"adding java pack","isActiveInRelease":true,"rfcCreated":"1489463826831","rfcUpdated":"1489463826831","created":"1489463826831","updated":"1489463826831","ciAttributes":{"major_version":"1"},"description":"adding oneops pack to platform","pack_digest":"cdeb7b3bc668de4e9802a6d514792a84","source":"oneops","pack":"java","version":"1"},"ciBaseAttributes":{"},"ciAttrProps":{"}}
Platform java committed [{"rfcId":"1348","releaseId":"1339","ciId":"146668","nsPath":"/OneOps/test","ciClassName":"catalog.Platform","impl":{"owner":"chef-11.4.0","ciName":"java","ciGoid":"146657-1102-146668","ciState":null,"rfcAction":"add","releaseType":null,"createdBy":"nimkar","updatedBy":null,"rfcCreatedBy":"nimkar","rfcUpdatedBy":null,"execOrder":0,"lastAppliedRfId":null,"comments":"adding java pack","isActiveInRelease":true,"rfcCreated":"1489463826831","rfcUpdated":"1489463826831","created":"148946382

```

Status

release closed Last design release 1339 commit 1 minute ago
 Commit by nimkar
[View history of design releases](#)

Diagram 



step 1	 sshkeys java java vt	AWS	+1 ✓ 1
05.8 sec			
step 2	 secgroup java java vt	AWS	+1 ✓ 1
05.5 sec			
step 3	 compute java java vt	AWS	+1 ✓ 1
0.7 min			
step 4	 fqdn java java vt	AWS	+1 ✓ 1
4.7 min			
step 5	 os java java vt	AWS	+1 ✓ 1
05.4 sec			
step 5	 java java java vt	AWS	+1 ✓ 1
05.4 sec			