Deployment on the Cloud

Mike Scherbakov

Saratov State University,
Mirantis

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It is not enough to have a good mind. The main thing is to use it well.

- Rene Descartes
23 GB RAM
33.5 EC2 cores
10Gb eth.

22 GB RAM
33.5 EC2 cores
10Gb eth.
2xNVIDIA Tesla M2050 GPUs
1.1.1.1

web=1.1.1.1,
db=2.2.2.2
Manually:

Provision server

Deploy
I wish...

One-click deployment
by Scripts, but…

NOT scalable

NOT idempotent

DEPENDENT to *NIX distribution
Chef

Idempotent resources

Easy to collaborate

Configuration? Programming!
Chef operates with...

- Recipes
- Templates
- Attributes
- Files
service "haproxy" do
  action [:enable, :start]
end

webs = search(:node,"recipe:simple-httpd").map
{ |w| [ w["ipaddress"], w["fqdn"] ] }

template "/etc/haproxy/haproxy.cfg" do
  source "haproxy.cfg.erb"
  variables(:webs => webs)
  notifies :restart, resources(:service => "haproxy")
end
To deploy with Chef:

- Provision node on the Cloud
- Install Chef client on it
- Register node on Chef server
- Assign recipes/roles to the node
- Finally, run chef-client
But I need
One-click deployment !!!
CloudRunner

Home-grown utility written on Ruby

Amazon EC2
./clorun –c elmer –t deploy –n env1

One-click deployment

No additional servers involved
Alternatives

Chef+knife

Puppet
Thank you for attention!

Mike Scherbakov

github.com/mihgen
mscherbakov@mirantis.com

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