更新日：2020/8/1

本手順は Contail(2008), Insight の OVA Image を使用し、KVM 上にインストールする手順を記載する

※注意点

- R2008 時点では Beta リリースとなり、商用利用不可
- OVA を使用した Install を実施した場合、Fabric ユースケースのみサポートされ、vRouter を使用した VM/Container の Overlay は未サポートとなる
- Insight OVA には Insight Flow は含まれていません

0.Requirements

Contrail VM:
Insights VM: 16Core, 16GB Mem, 100GB Disk

1.Contrail Install

1.1 Image の準備

contrail-ova-centos7-2008.121.tgz

1.2 VMDK -> QCOW2 へのコンバート

```
tar xzvf contrail-ova-centos7-2008.121.tgz

qemu-img convert -f vmdk -O qcow2 /home/images/contrail-centos-7-x86_64_2020-09-17_03-01-05-disk001.vmdk /home/images/contrail-centos-7-x86_64_2020-09-17_03-01-05-disk001.qcow2
```

1.3 QCOW2 を使用した VM Deploy

```
virt-install --name contrail1 --disk path=/home/images/contrail-centos-7-x86_64_2020-09-17_03-01-05-disk001.qcow2,format=qcow2 --vcpus 4 --ram=16384 --network bridge=br-mng-y,model=virtio  --network bridge=br-data1,model=virtio --virt-type kvm --cpu host --os-variant linux --serial pty --console pty,target_type=virtio --graphics vnc,listen=0.0.0.0 --noautoconsole --import
```

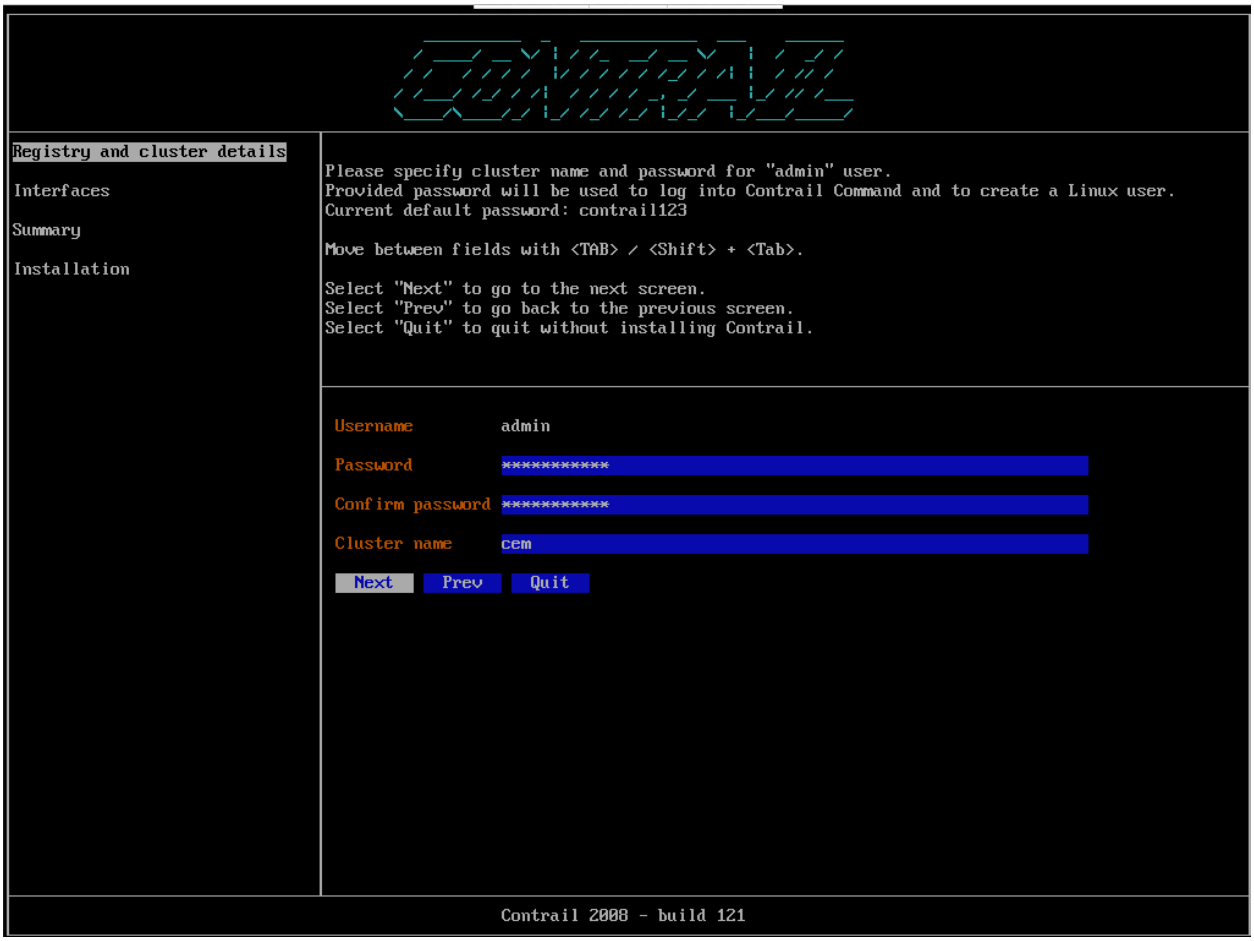
1.4 事前準備

root(pass:contrail123)でコンソールログインし、以下を設定
eth0, eth1 の IP Address を設定
echo 1 > /proc/sys/net/ipv4/ip_forward

1.5 Contrail Command, Controller のインストール

contrail(pass:contrail123)で Login し、セットアップウィザードを起動

Would you like to start the Contrail installation wizard?
Yes
No


Registry and cluster details
Interfaces
Summary
Installation
Please specify cluster name and password for "admin" user.
Provided password will be used to log into Contrail Command and to create a Linux user.
Current default password: contrail123
Move between fields with <TAB> / <Shift> + <Tab>.
Select "Next" to go to the next screen.
Select "Prev" to go back to the previous screen.
Select "Quit" to quit without installing Contrail.
Username admin
Password **********
Confirm password **********
Cluster name cem
Next
Prev
Quit
Contrail 2008 - build 121

```
Registry and cluster details

Interfaces

Summary

Installation

Please select network interfaces:
- User network - the network through which the admin/user accesses this appliance.
- Management network - the network through which this appliance manages the fabric.

If the management network interface has no IP address - then it can be assigned on the next
screen.

Move between fields with <TAB> / <Shift> + <Tab>, select interface with <ENTER>.

Select "Next" to go to the next screen.
Select "Prev" to go back to the previous screen.

User network interface        eth0 [192.168.0.100/24]

Management network interface  eth1 [192.168.1.100/24]

 Next   Prev   Quit

                    Contrail 2008 - build 121
```

```
Registry and cluster details        INFO

 Interfaces                         Contrail installation successful!

 Summary                            Contrail Command can be reached at https://192.168.0.100:9091.
                                    Login using credentials provided in wizard and domain Default.

 Installation                       Press ESC key to exit.

                                    Installation completed [14/14]

                                    [##################################################]

                                    Cassandra                AVAILABLE
                                    Command                  AVAILABLE
                                    Config                   AVAILABLE
                                    Control                  AVAILABLE
                                    Keystone                 AVAILABLE
                                    Kubernetes               AVAILABLE
                                    Memcached                AVAILABLE
                                    Operator                 AVAILABLE
                                    Postgres                 AVAILABLE
                                    ProvisionManager         AVAILABLE
                                    Rabbitmq                 AVAILABLE
                                    Swift                    AVAILABLE
                                    Webui                    AVAILABLE
                                    Zookeeper                AVAILABLE

                                    Contrail 2008 - build 121
```

Install 完了後, Contrail Command にアクセス
https://ip:9091
※Domain は'default'ではなく、'Default'

2.Insight Install

2.1 Image の準備

contrail-insights-ova-3.2.6-2008.121.tgz

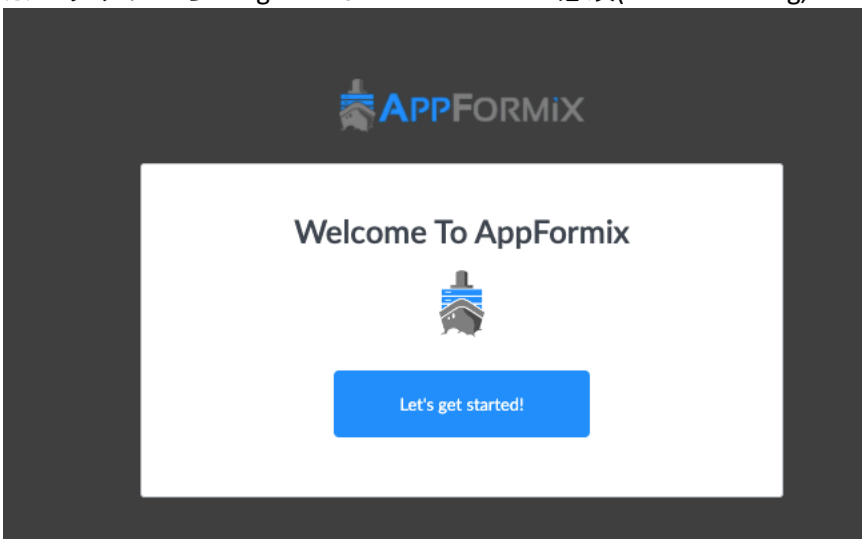
2.2 事前準備

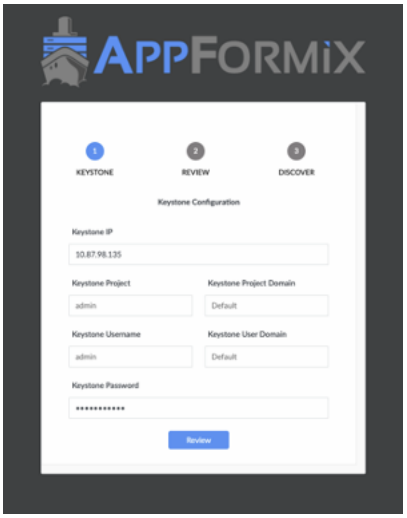
root(pass:c0ntrail123)でコンソールログインし、IPAddress を設定

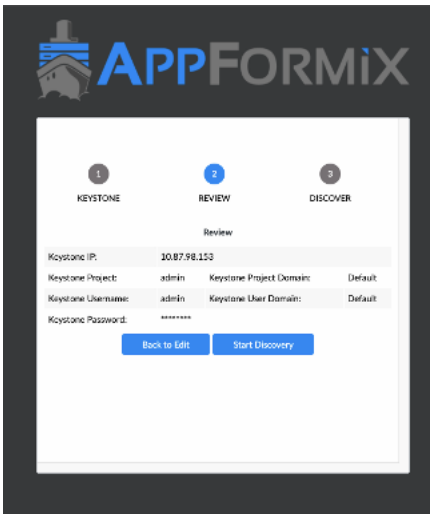
2.3 設定

http://ip:9000 にアクセス

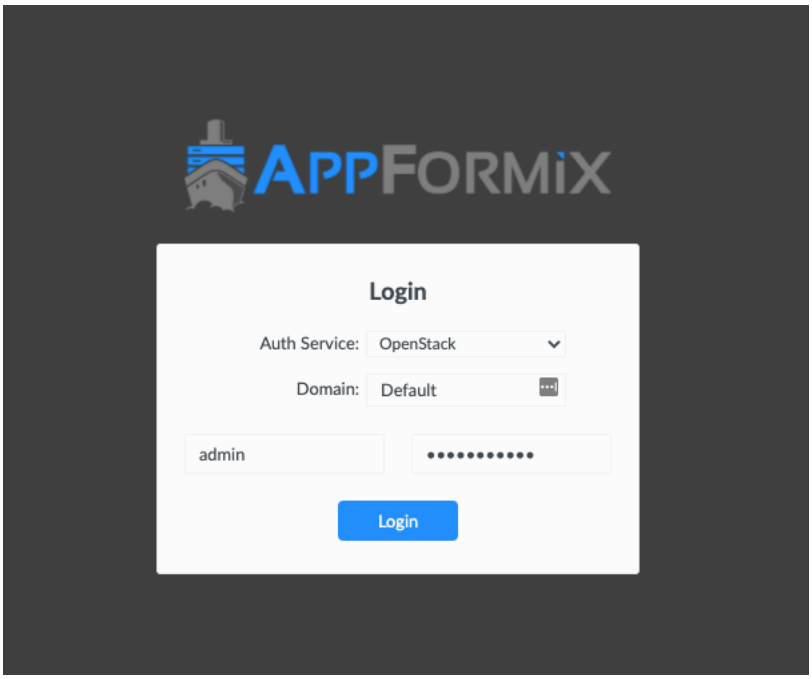
※ブラウザから Insight へは DirectAccess が必須(PortFowarding, NAT 不可)

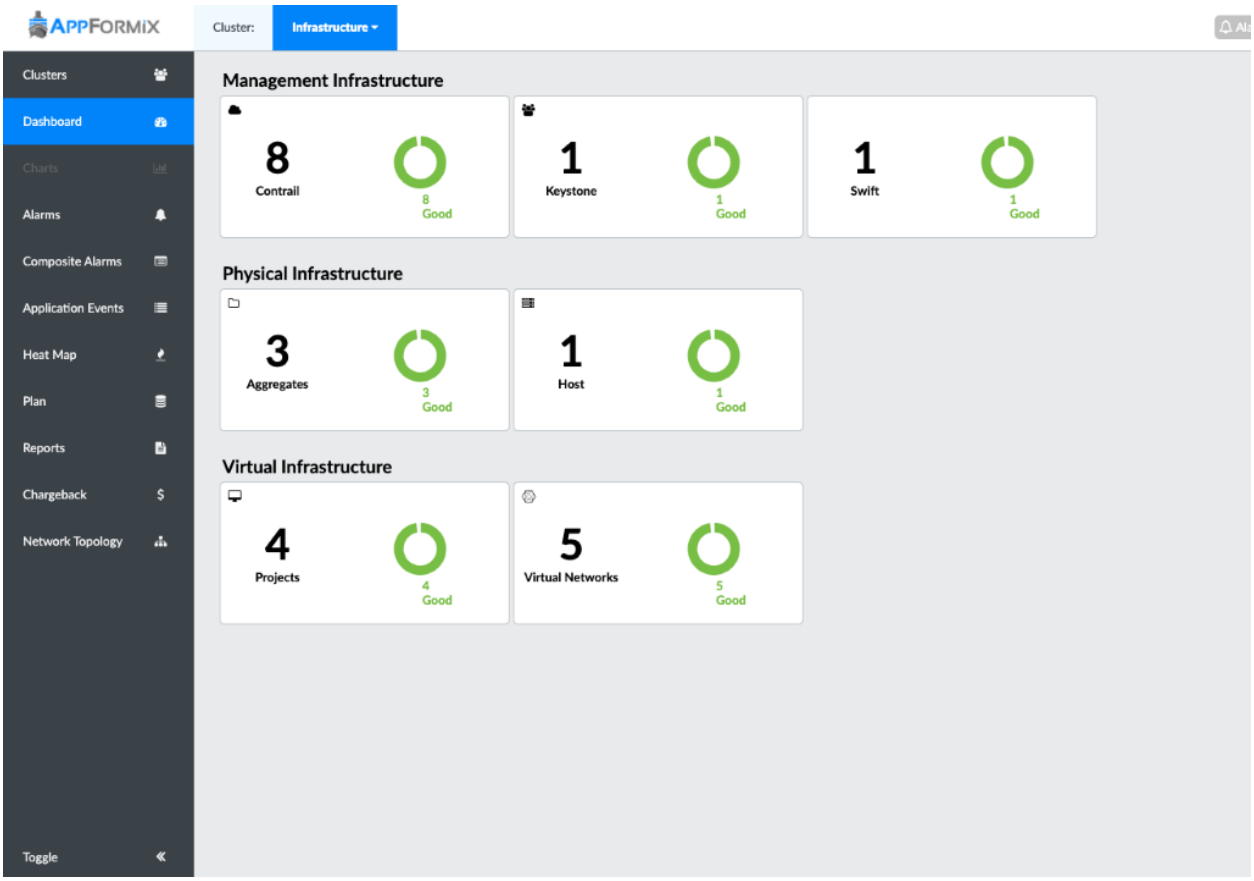





APPFORMIX
1
KEYSTONE
2
REVIEW
3
DISCOVER
Review
Keystone IP:
10.87.98.153
Keystone Project:
admin
Keystone Project Domain:
Default
Keystone Username:
admin
Keystone User Domain:
Default
Keystone Password:
****
Back to Edit
Start Discovery

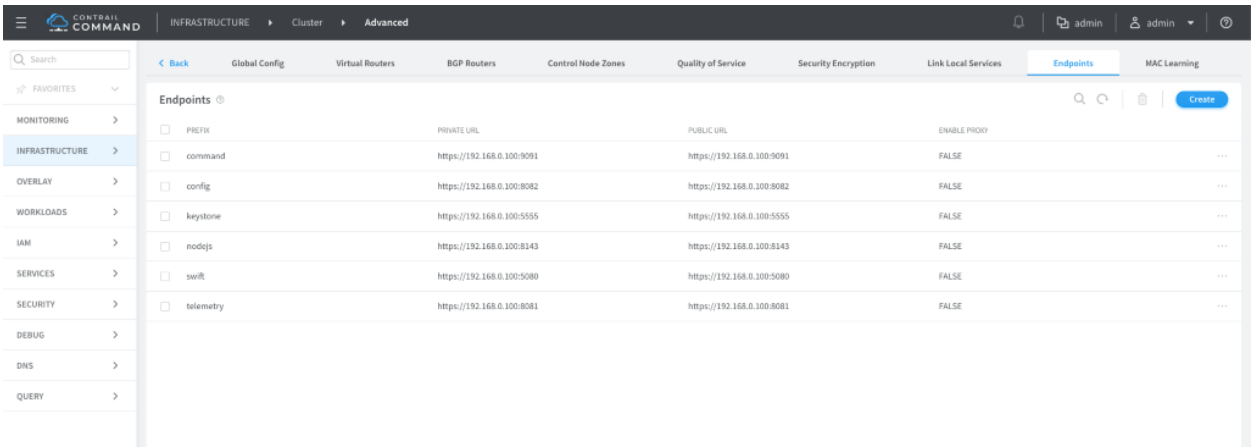
APPFORMIX
1
KEYSTONE
2
REVIEW
3
DISCOVER
Discover Progress
Projects
Hosts
Instances
Aggregates
Volumes

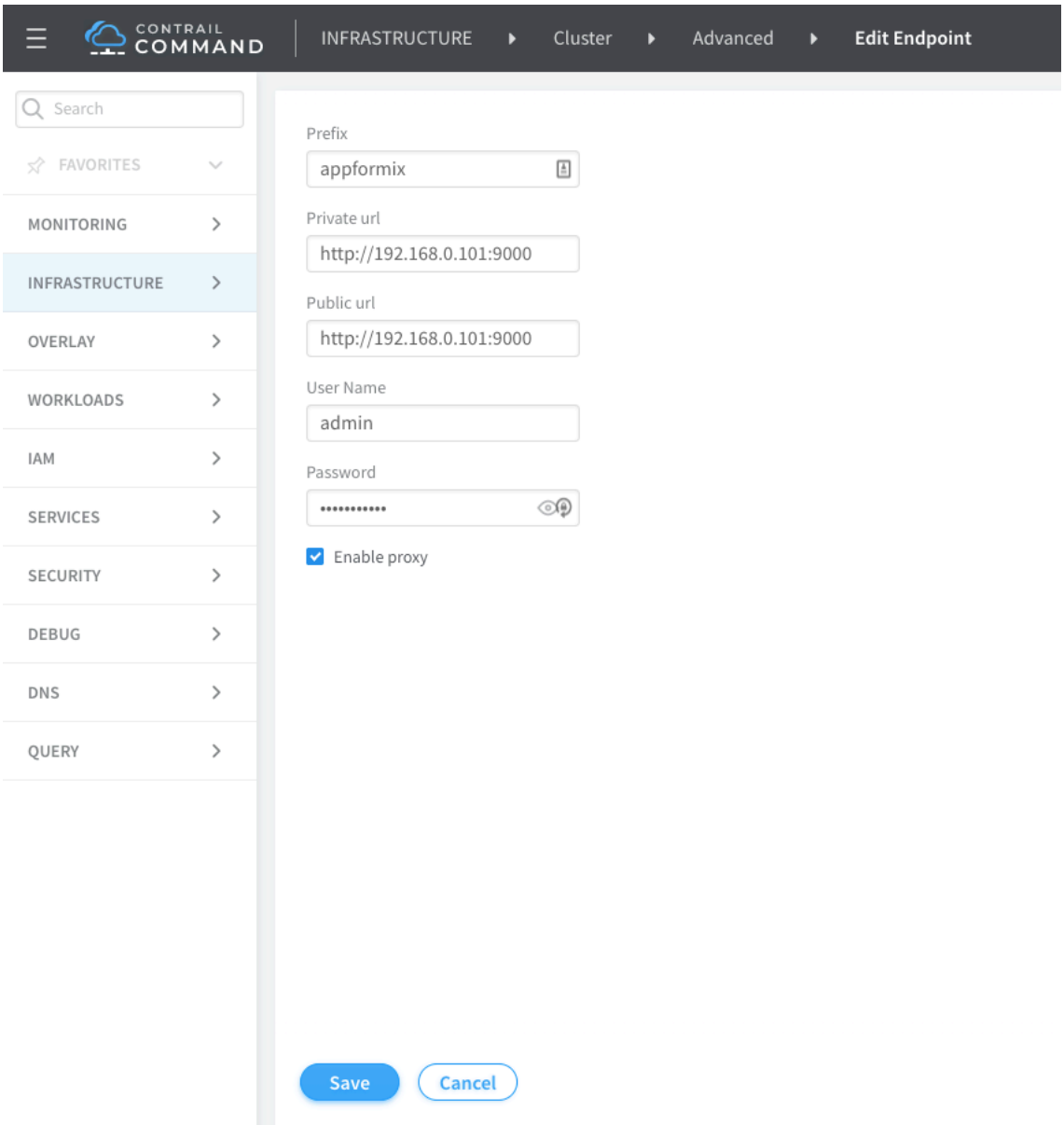




2.4 Contrail Command 設定

Infrastructure->Clusters->AdvancedOption


CONTRAIL COMMAND
INFRASTRUCTURE
Cluster
Advanced
admin
admin
Search
FAVORITES
MONITORING
INFRASTRUCTURE
OVERLAY
WORKLOADS
IAM
SERVICES
SECURITY
DEBUG
DNS
QUERY
Back
Global Config
Virtual Routers
BGP Routers
Control Node Zones
Quality of Service
Security Encryption
Link Local Services
Endpoints
MAC Learning
Endpoints
Create
PREFIX
PRIVATE URL
PUBLIC URL
ENABLE PROXY
command
https://192.168.0.100:9091
https://192.168.0.100:9091
FALSE
config
https://192.168.0.100:8082
https://192.168.0.100:8082
FALSE
keystone
https://192.168.0.100:5555
https://192.168.0.100:5555
FALSE
nodejs
https://192.168.0.100:8143
https://192.168.0.100:8143
FALSE
swift
https://192.168.0.100:5080
https://192.168.0.100:5080
FALSE
telemetry
https://192.168.0.100:8081
https://192.168.0.100:8081
FALSE


CONTRAIL COMMAND
INFRASTRUCTURE
Cluster
Advanced
Edit Endpoint
Search
FAVORITES
MONITORING
INFRASTRUCTURE
OVERLAY
WORKLOADS
IAM
SERVICES
SECURITY
DEBUG
DNS
QUERY
Prefix
appformix
Private url
http://192.168.0.101:9000
Public url
http://192.168.0.101:9000
User Name
admin
Password
Enable proxy
Save
Cancel