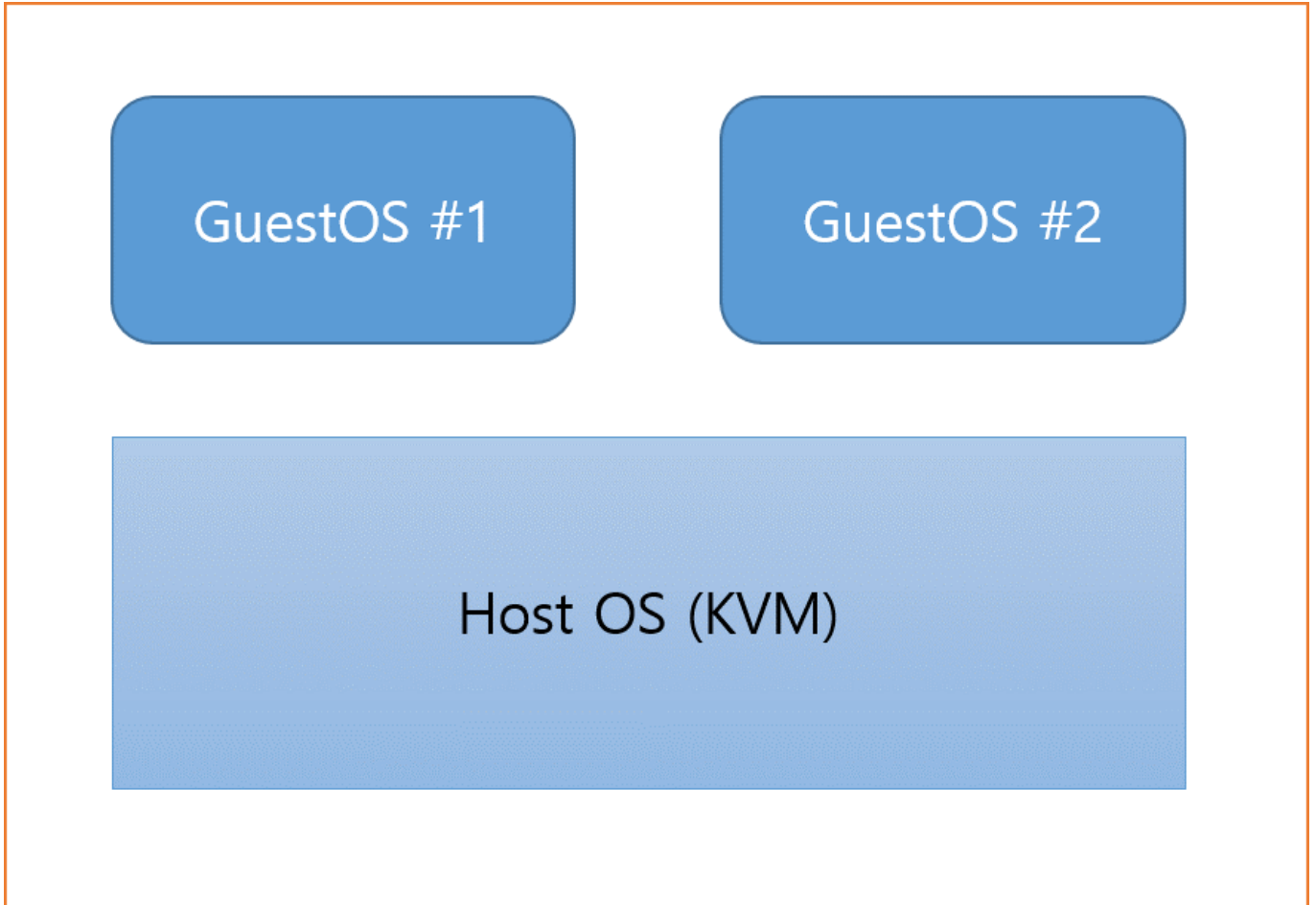


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KVM fence_virt

— 2018/01/04 15:44



| | | | | | | |
|---------|--------|------------|------|-----|---|----------|
| GuestOS | HostOS | 1 | (가) | KVM | 2 | Guest OS |
| | | fence_virt | | | | |

Fence

가 fence()

HostOS

```
# yum install fence-virt fence-virt
```

multicast fence-virt-d-serial

가 /etc/cluster 가

```
# mkdir -p /etc/cluster
```



Host OS

가

HostOS

key

Host OS

```
# dd if=/dev/urandom of=/etc/cluster/fence_xvm.key bs=4k count=1
# scp /etc/cluster/fence_xvm.key root@guest:/etc/cluster/fence_xvm_host1.key
```

HostOS

GuestOS

Host OS

```
# fence_virt -c
```

-
-
-
-
- br0 ()
- default fence_xvm.key
- libvirt
- URI
- "y"

/etc/fence_virt.conf

```
fence_virtd {
```

```

    module_path = "/usr/lib64/fence-virt";
    listener = "multicast";
    backend = "libvirt";
}

listeners {
    #
        Guest OS cluster.conf

    #
        cluster.conf

    multicast {
        key_file = "/etc/cluster/fence_xvm.key";
        interface = "br0";
        port = "1229";
        address = "225.0.0.12";
        family = "ipv4";
    }
}

backends {
    libvirt {
        uri = "qemu:///system";
    }
}

```

Host OS multicast address . Host OS

```

(on host1)
address = "225.0.1.12";

(on host2)
address = "225.0.2.12";

```

fence_virt

```

# service fence_virt start
# chkconfig fence_virt on

```

Guest OS

```

# yum install fence-virt

```

Guest OS 가

```
[on guest1]$ fence_xvm -a 225.0.2.12 -k /etc/cluster/fence_xvm-host2.key -H guest2 -o status
[on guest2]$ fence_xvm -a 225.0.1.12 -k /etc/cluster/fence_xvm_host1.key -H guest1 -o status
```

```
[on guest2]# fence_xvm -o reboot -a 225.0.1.12 -k /etc/cluster/fence_xvm_host1.key -H guest1
```

| -H | Guest OS | KVM | 가 |
|--------|------------|-----|---|
| HostOS | virsh list | 가 | . |

```
[on host1]# virsh list
 Id Name                               State
-----
 1  guest1                               running
```

cluster.conf

| domain | vm | 가 |
|--------|----|---|
|--------|----|---|

```
[root@rhcs1 ~]# fence_xvm -o list
rhcs61          84cbf968-2ffc-437c-b9a6-3b3c9465239d on
rhcs62          f9038eec-a6f8-4df7-aa69-533744cb28ba on
```

| 가 | cluster.conf | . |
|---|--------------|---|
|---|--------------|---|

```
[root@node2 ~]# cat /etc/cluster/cluster.conf
<?xml version="1.0"?>
<cluster config_version="1" name="kvm_cluster">
  <clusternodes>
    <clusternode name="node1.example.com" nodeid="1">
      <fence>
        <method name="1">
          <!-- domain VM . -->
          <device domain="rhcs61" name="virtfence1"/>
        </method>
      </fence>
    </clusternode>
    <clusternode name="node2.example.com" nodeid="2">
```

```
<fence>
  <method name="1">
    <device domain="rhcs62" name="virtfence2"/>
  </method>
</fence>
</clusternode>
</clusternodes>
<cman expected_votes="1" two_node="1"/>
<fencedevices>
  <!-- key_file      multicast_address
      /etc/cluster/fence_xvm.key    225.0.0.12 -->
  <fencedevice agent="fence_xvm" name="virtfence1"
key_file="/etc/cluster/fence_xvm_host1.key" multicast_address="225.0.1.12"/>
  <fencedevice agent="fence_xvm" name="virtfence2"
key_file="/etc/cluster/fence_xvm_host2.key" multicast_address="225.0.2.12"/>
</fencedevices>
<rm>
  <failoverdomains/>
  <resources/>
</rm>
</cluster>
```

```
[on guest2]$ fence_node guest1
fence guest1 success
```

- <https://access.redhat.com/solutions/293183>

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