

KVM

fence\_virt

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Fence

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fence\_virt

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Guest OS

5

cluster.conf

6

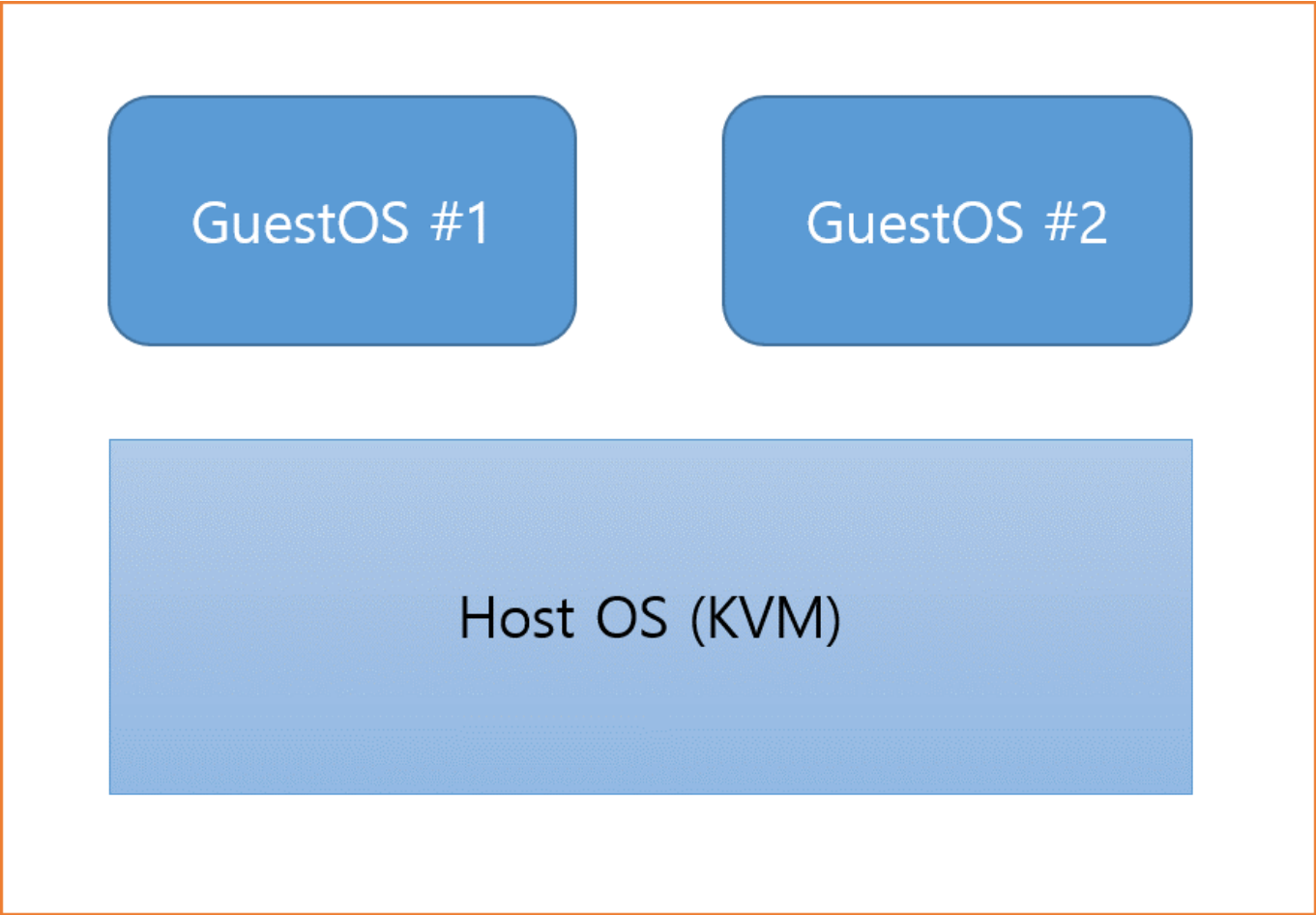
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KVM

fence\_virt



GuestOS

HostOS

1  
fence\_virt

(가 )

KVM

2

Guest OS

Fence

가

fence( )

.

.

HostOS

.

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

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_virt {
    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

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">
          <device domain="node1" name="virtfence1"/>
        </method>
      </fence>
    </clusternode>
    <clusternode name="node2.example.com" nodeid="2">
      <fence>
        <method name="1">
          <device domain="node2" name="virtfence2"/>
        </method>
      </fence>
    </clusternode>
  </clusternodes>
  <cman expected_votes="1" two_node="1"/>
  <fencedevices>
    <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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