

192.168.1.118 (user)

Multi-execution mode: commands are typed to all terminals (use Ctrl+Shift+Insert to paste)

ClusterIP (ocf::heartbeat:IPaddr2): Started 192.168.1.118
WebSite (ocf::heartbeat:apache): Started 192.168.1.119

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
[root@first user]# pcs status
Cluster name: mycluster
Cluster Summary:
* Stack: corosync
* Current DC: 192.168.1.118 (version 2.0.5-9.el8_4.1-ba59be7122) - partition with quorum
* Last updated: Sun Sep 19 10:16:44 2021
* Last change: Sun Sep 19 10:16:12 2021 by hacluster via cibadmin on 192.168.1.118
* 2 nodes configured
* 2 resource instances configured

Node List:
* Online: [192.168.1.118 192.168.1.119 192.168.1.130]

Full List of Resources:
* ClusterIP (ocf::heartbeat:IPaddr2): Started 192.168.1.118
* WebSite (ocf::heartbeat:apache): Started 192.168.1.119

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pcsd: active/enabled
[root@first user]#

Activate the web console with: systemctl enable --now cockpit.socket

Last login: Sun Sep 19 09:57:50 2021
[user@second ~]\$ sudo su
[sudo] password for user:
[root@second user]# nano /etc/httpd/conf/httpd.conf
[root@second user]# pcs status
Cluster name: mycluster
Cluster Summary:
* Stack: corosync
* Current DC: 192.168.1.118 (version 2.0.5-9.el8_4.1-ba59be7122) - partition with quorum
* Last updated: Sun Sep 19 10:16:12 2021 by hacluster via cibadmin on 192.168.1.118
* 2 nodes configured
* 2 resource instances configured

Node List:
* Online: [192.168.1.118 192.168.1.119 192.168.1.130]

Full List of Resources:
* ClusterIP (ocf::heartbeat:IPaddr2): Started 192.168.1.118
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[root@second user]#

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Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
[root@first user]# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:3d:46:c3 brd ff:ff:ff:ff:ff:ff
inet 192.168.1.119/24 brd 192.168.1.255 scope global dynamic noprefixroute enp0s3
valid_lft 42861sec preferred_lft 42861sec
inet6 fe80::a00:27ff:fe06:4c3/64 scope link noprefixroute
valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:3d:46:c3 brd ff:ff:ff:ff:ff:ff
4: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
link/ether 52:54:00:23:c5:7a brd ff:ff:ff:ff:ff:ff
inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
valid_lft forever preferred_lft forever
5: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr0 state DOWN group default qlen 1000
link/ether 52:54:00:23:c5:7a brd ff:ff:ff:ff:ff:ff
[root@first user]#

ClusterIP (ocf::heartbeat:IPaddr2): Started 192.168.1.118
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Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
[root@third user]# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
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valid_lft forever preferred_lft forever
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link/ether 52:54:00:23:c5:7a brd ff:ff:ff:ff:ff:ff
inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
valid_lft forever preferred_lft forever
5: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr0 state DOWN group default qlen 1000
link/ether 52:54:00:23:c5:7a brd ff:ff:ff:ff:ff:ff
[root@second user]#

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RESOURCES

✕ Remove + Add + Create Group

<input type="checkbox"/>	NAME	TYPE
<input type="checkbox"/>	ClusterIP	ocf:heartbeat:IPAddr2
<input checked="" type="checkbox"/>	WebSite	ocf:heartbeat:apache ▶

Edit Resource ▼

Edit Resource WebSite

WebSite ✓ running

✓ Enable ✕ Disable ↺ Cleanup ↺ Refresh ✕ Remove
✓ Manage ✕ Unmanage

Type: ocf:heartbeat:apache
Description: Manages an Apache Web server instance ⓘ
Current Location: 192.168.1.119
Clone: Create clone
Promotable Clone: Create promotable
Group: None ▼
Update group Refresh

- ▶ Resource Location Preferences (0)
- ▶ Resource Ordering Preferences (0)
- ▶ Resource Ordering Set Preferences (0)
- ▶ Resource Colocation Preferences (0)
- ▶ Resource Colocation Set Preferences (0)
- ▶ Resource Ticket Preferences (0)
- ▶ Resource Ticket Set Preferences (0)
- ▼ Resource Meta Attributes (0)

Meta Attribute	Value	Remove
NONE		
<input type="text"/>	<input type="text"/>	Add

- ▶ Resource Utilization Attributes (0)

NODES

- ☐ × Remove + Add
- ☐ ✓

192.168.1.118
- ☐ ✓

192.168.1.119
- ☐ ✓

192.168.1.130 ▶

Edit Node 192.168.1.130

192.168.1.130

- ✓ Pacemaker Connected
- ✓ Corosync Connected

Start Stop Restart Standby Maintenance Configure Fencing

Node ID: 3 Uptime: 0 days, 00:09:08

Cluster Daemons

NAME	STATUS
pacemaker	✓ Running (Enabled)
corosync	✓ Running (Enabled)
pcsd	✓ Running (Enabled)

Running Resources

NAME
NONE

Resource Location Preferences

NAME	Score
NONE	

Node Attributes (0)

Attribute	Value	Remove
NONE		
		Add

Fence Levels (0)

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1: valid_lft forever preferred_lft forever
inet 127.0.0.1/32 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever
2: emp03: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:0d:40:c5 brd ff:ff:ff:ff:ff:ff
inet 192.168.1.119/24 brd 192.168.1.255 scope global dynamic noprefixroute emp03
valid_lft 42501sec preferred_lft 42501sec
inet6 fe80::a00:27ff:fe0d:40c5/64 scope link noprefixroute
valid_lft forever preferred_lft forever
3: emp04: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:0d:40:c5 brd ff:ff:ff:ff:ff:ff
4: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
link/ether 52:54:00:2f:c5:7a brd ff:ff:ff:ff:ff:ff
inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
valid_lft forever preferred_lft forever
5: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr0 state DOWN group default qlen 1000
link/ether 52:54:00:2f:c5:7a brd ff:ff:ff:ff:ff:ff
[root@first user]# cat /etc/httpd/conf.d/
autoindex.conf README status.conf userdir.conf welcome.conf
[root@first user]# cat /etc/httpd/conf.d/
autoindex.conf README status.conf userdir.conf welcome.conf
[root@first user]# cat /etc/httpd/conf.d/status.conf
<Location /server-status>
SetHandler server-status
Require local
</Location>
[root@first user]#

1: link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever
2: emp03: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:0d:40:c5 brd ff:ff:ff:ff:ff:ff
inet 192.168.1.119/24 brd 192.168.1.255 scope global dynamic noprefixroute emp03
valid_lft 42501sec preferred_lft 42501sec
inet6 fe80::a00:27ff:fe0d:40c5/64 scope link noprefixroute
valid_lft forever preferred_lft forever
3: emp04: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:0d:40:c5 brd ff:ff:ff:ff:ff:ff
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[root@second user]# cat /etc/httpd/conf.d/
autoindex.conf README status.conf userdir.conf welcome.conf
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autoindex.conf README status.conf userdir.conf welcome.conf
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<Location /server-status>
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link/ether 08:00:27:0d:40:c5 brd ff:ff:ff:ff:ff:ff
inet 192.168.1.130/24 brd 192.168.1.255 scope global dynamic noprefixroute emp03
valid_lft 42034sec preferred_lft 42034sec
inet6 fe80::a00:27ff:fe0d:40c5/64 scope link noprefixroute
valid_lft forever preferred_lft forever
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inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
valid_lft forever preferred_lft forever
5: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr0 state DOWN group default qlen 1000
link/ether 52:54:00:2f:c5:7a brd ff:ff:ff:ff:ff:ff
[root@third user]# cat /etc/httpd/conf.d/
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