

# RHCS6: Basic operations on clustered services

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## RHCS: Basic operations on clustered services

```
# Tested on RHEL 6

# On a cluster like following one:

root@mynodeA:/#> clustat
Cluster Status for mycluster @ Thu Sep 25 21:39:54 2014
Member Status: Quorate

Member Name                                ID      Status
----- ----
mynodeA                                     1      Online,
Local, rgmanager
mynodeB                                     2      Online,
rgmanager

Service Name                                Owner (Last)
State
----- ----
service:myservice-1                         mynodeA
started
service:myservice-2                         mynodeA
started
service:myservice-3                         mynodeB
started
```

```
# Stop a service ('-d' for "disable")
```

```
# -----  
-----
```

```
root@mynodeA:/#> clusvcadm -d myservice-2
```

```
root@mynodeA:/#> clustat
```

```
Cluster Status for mycluster @ Thu Sep 25 21:40:22 2014
```

```
Member Status: Quorate
```

Member Name	ID	Status
-----	-----	-----
mynodeA Local, rgmanager	1	Online,
mynodeB rgmanager	2	Online,

Service Name	Owner (Last)
-----	-----
-----	-----
service:myservice-1 started	mynodeA
<b>service:myservice-2</b> <b>disabled</b>	<b>(mynodeA)</b>
service:myservice-3 started	mynodeB

```
# Start a stopped service ('-e' for "enable")
```

```
# -----  
-----
```

```
# To be able to start a service it has to be in 'disabled' status.  
Sometimes the service
```

```
# may be in 'failed' status (neither 'started' nor 'disabled'), what  
means that there has
```

```
# been a problem with the service. In those cases, after solving the
problems that
# potentially prevent the service from starting, we should run once
again stop command,
# "clusvcadm -d" on the service in order to pass it to 'disabled'
status.
```

```
# Obviously, when starting a service, we have to indicate on which
node we want to start
# it ('-m' parameter)
```

```
root@mynodeA:/#> clusvcadm -e myservice-2 -m mynodeB
```

```
root@mynodeA:/#> clustat
```

```
Cluster Status for mycluster @ Thu Sep 25 21:45:17 2014
```

```
Member Status: Quorate
```

Member Name	ID	Status
-----	----	-----
mynodeA Local, rgmanager	1	Online,
mynodeB rgmanager	2	Online,

Service Name	Owner (Last)
-----	-----
-----	-----
service:myservice-1 started	mynodeA
<b>service:myservice-2</b> <b>started</b>	<b>mynodeB</b>
service:myservice-3 started	mynodeB

```
# If service was in 'failed' status, first pass it to 'disabled'
```

```
root@mynodeA:/#> clustat
```

Cluster Status for mycluster @ Thu Sep 25 21:43:21 2014

Member Status: Quorate

Member Name	ID	Status
-----	-----	-----
mynodeA Local, rgmanager	1	Online,
mynodeB rgmanager	2	Online,

  

Service Name	Owner (Last)
-----	-----
-----	-----
service:myservice-1 started	mynodeA
<b>service:myservice-2</b> <b>failed</b>	<b>(mynodeA)</b>
service:myservice-3 started	mynodeB

```
root@mynodeA:/#> clusvccadm -d myservice-2
```

```
root@mynodeA:/#> clustat
```

Cluster Status for mycluster @ Thu Sep 25 21:44:01 2014

Member Status: Quorate

Member Name	ID	Status
-----	-----	-----
mynodeA Local, rgmanager	1	Online,
mynodeB rgmanager	2	Online,

  

Service Name	Owner (Last)
-----	-----
-----	-----

```

-----
service:myservice-1                               mynodeA
started
service:myservice-2                               (mynodeA)
disabled
service:myservice-3                               mynodeB
started

# Switch a service to a different node ('-r' for "relocate")
# -----
-----

# When starting a service, we have to indicate on which node we want
to start
# it ('-r' parameter)

root@mynodeA:/#> clustat
Cluster Status for mycluster @ Thu Sep 25 21:45:17 2014
Member Status: Quorate

Member Name                                     ID   Status
-----
mynodeA                                         1   Online,
Local, rgmanager
mynodeB                                         2   Online,
rgmanager

Service Name                                     Owner (Last)
State
-----
-----
service:myservice-1                               mynodeA
started
service:myservice-2                               mynodeB

```

```

started
  service:myservice-3                               mynodeB
started

root@mynodeA:/#> clusvcadm -r myservice-2 -m mynodeA

root@mynodeA:/#> clustat
Cluster Status for mycluster @ Thu Sep 25 21:49:29 2014
Member Status: Quorate

Member Name                                     ID   Status
-----
mynodeA                                         1   Online,
Local, rgmanager
mynodeB                                         2   Online,
rgmanager

Service Name                                     Owner (Last)
State
-----
service:myservice-1                             mynodeA
started
service:myservice-2                             mynodeA
started
service:myservice-3                             mynodeB
started

```

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