RHCS6: Basic operations on clustered services

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# 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")
# ----------------------------------------------------------------
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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                                               1  Online,
Local, rgmanager
 mynodeB                                               2  Online,
rgmanager

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



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

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

root@mynodeA:/#> clustat
```

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Cluster Status for mycluster @ Thu Sep 25 21:43:21 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)
failed
 service:myservice-3                                       mynodeB
started


root@mynodeA:/#> clusvcadm -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                                               1  Online,
Local, rgmanager
 mynodeB                                               2  Online,
rgmanager

 Service Name                                         Owner (Last)
State
```

```
 ------- ----                                         ----- ------
-----
 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")
# ------------------------------------------------------------------
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# 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
```