

User Acceptance Test Document for Redis DC & DRC

Pekerjaan Pengadaan Logging & Cache Server untuk BPJS TK 2023


No. Perjanjian: No PER/70/032023, Tanggal 13 Maret 2023



ict

Persetujuan

Lembar persetujuan ini untuk menyatakan bahwa Pekerjaan dalam lingkup Redis pada Project Server Log & Cache telah lulus User Acceptance Test, dan pihak yang bertandatangan di bawah ini telah menerima hasil test.

Nama : Akhmad H Gumasjaya Jabatan : Project Manager Tanda Tangan :  Tanggal : 23/5/23	Nama : Jabatan : Tanda Tangan : Tanggal : _____
Nama : Jabatan : Tanda Tangan : Tanggal : _____	Nama : Jabatan : Tanda Tangan : Tanggal : _____
Nama : Jabatan : Tanda Tangan : Tanggal : _____	Nama : Jabatan : Tanda Tangan : Tanggal : _____

Attendances

The screenshot shows a Zoom meeting in progress. The main window displays a terminal window titled "tiny11 (Running) - Oracle VM VirtualBox" with the following commands and output:

```
root@dc-redis-cl-01:~# whereis redis-server
redis-server: /usr/local/bin/redis-server
root@dc-redis-cl-01:~# whereis redis-benchmark
redis-benchmark: /usr/local/bin/redis-benchmark
root@dc-redis-cl-01:~# whereis redis-cli
redis-cli: /usr/local/bin/redis-cli
root@dc-redis-cl-01:~#
root@dc-redis-cl-01:~#
root@dc-redis-cl-01:~# redis-server --version
Redis server v=6.0.11 sha=00000000:0 malloc=jemalloc-5.2.1 bits=64 build=4f38aec2cdff622b
root@dc-redis-cl-01:~#
```

The Zoom interface includes a top bar with participant names (Gumas, Alert BPJSTK, rianto.hidayanto, muhammad.haf..., Donny Hariady, Nicky Darmawan) and a "Participants (15)" list on the right. The list includes names like Gumas (Host, me), Donny Hariady, Ade Oktariani, Alert BPJSTK, Alfiandi Jasti - ICT, Alfonsus Fero, Eli (ICT), erick, Iman Aulia Fatahillah, Juan Almer Dylan, m.dahril, muhammad.hafizo, Nicky Darmawan, Rangga Aditya, and rianto.hidayanto. The bottom bar shows controls like Unmute, Start Video, Security, Participants, Chat, Share Screen, Pause/Stop Recording, Reactions, Apps, Whiteboards, More, and End.

Daftar Peserta Meeting UAT

- BPJS TK:
 1. Ade Oktariani
 2. Hilmy Khairi
 3. Muhammad Hafizo
 4. Rianto Hidayanto
 5. M Dahril
- ICT:
 1. Akhmad Hernanda Gumasjaya
 2. Rangga Aditya
 3. Alfiandi Jasti
 4. Alfonsus Fero
 5. Donny Hariady
 6. Eliezer Rambur
 7. Erick Darmawan
 8. Imam Aulia Fatahillah
 9. Juan Almer Dylan
 10. Nicky Darmawan

KERNEL OPTIMIZATION

Description:

Kernel optimizations as required by Redis server

Note:

Check on all servers

Run command as sudo user

Memory-related kernel parameters

Command:

```
sysctl vm.overcommit_memory
```

Sample Output:

```
[root@dc-redis-cl-02 ~]# sysctl vm.overcommit_memory  
vm.overcommit_memory = 1
```

Actual Output:

```
root@dc-redis-cl-01:~  
[root@dc-redis-cl-01 ~]# sysctl vm.overcommit_memory  
vm.overcommit_memory = 1  
[root@dc-redis-cl-01 ~]#
```

```
root@dc-redis-cl-02:~  
[root@dc-redis-cl-02 ~]# sysctl vm.overcommit_memory  
vm.overcommit_memory = 1  
[root@dc-redis-cl-02 ~]#
```

```
root@dc-redis-cl-03:~  
[root@dc-redis-cl-03 ~]# sysctl vm.overcommit_memory  
vm.overcommit_memory = 1  
[root@dc-redis-cl-03 ~]#
```

```
root@drc-redis-cl-01:~  
[root@drc-redis-cl-01 ~]# sysctl vm.overcommit_memory  
vm.overcommit_memory = 1  
[root@drc-redis-cl-01 ~]#
```

```
root@drc-redis-cl-02:~  
[root@drc-redis-cl-02 ~]# sysctl vm.overcommit_memory  
vm.overcommit_memory = 1  
[root@drc-redis-cl-02 ~]#
```

```
root@drc-redis-cl-03:~  
[root@drc-redis-cl-03 ~]# sysctl vm.overcommit_memory  
vm.overcommit_memory = 1  
[root@drc-redis-cl-03 ~]#
```

Result:

Location	Server Name	OK / NOK
DC	dc-redis-cl-01	OK
	dc-redis-cl-02	OK
	dc-redis-cl-03	OK
DRC	drc-redis-cl-01	OK
	drc-redis-cl-02	OK
	drc-redis-cl-03	OK

Remarks:

None

Network-related kernel parameters

Command:

```
sysctl net.core.somaxconn net.ipv4.tcp_max_syn_backlog
```

Sample Output:

```
[root@dc-redis-cl-02 ~]# sysctl net.core.somaxconn net.ipv4.tcp_max_syn_backlog
net.core.somaxconn = 65535
net.ipv4.tcp_max_syn_backlog = 65535
```

Actual Output:

```
root@dc-redis-cl-01:~
[root@dc-redis-cl-01 ~]# sysctl net.core.somaxconn net.ipv4.tcp_max_syn_backlog
net.core.somaxconn = 65535
net.ipv4.tcp_max_syn_backlog = 65535
[root@dc-redis-cl-01 ~]#
```

```
root@dc-redis-cl-02:~
[root@dc-redis-cl-02 ~]# sysctl net.core.somaxconn net.ipv4.tcp_max_syn_backlog
net.core.somaxconn = 65535
net.ipv4.tcp_max_syn_backlog = 65535
[root@dc-redis-cl-02 ~]#
```

```
root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# sysctl net.core.somaxconn net.ipv4.tcp_max_syn_backlog
net.core.somaxconn = 65535
net.ipv4.tcp_max_syn_backlog = 65535
[root@dc-redis-cl-03 ~]#
```

```
root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# sysctl net.core.somaxconn net.ipv4.tcp_max_syn_backlog
net.core.somaxconn = 65535
net.ipv4.tcp_max_syn_backlog = 65535
[root@drc-redis-cl-01 ~]#
```

```
root@drc-redis-cl-02:~
[root@drc-redis-cl-02 ~]# sysctl net.core.somaxconn net.ipv4.tcp_max_syn_backlog
net.core.somaxconn = 65535
net.ipv4.tcp_max_syn_backlog = 65535
[root@drc-redis-cl-02 ~]#
```

```
root@drc-redis-cl-03:~
[root@drc-redis-cl-03 ~]# sysctl net.core.somaxconn net.ipv4.tcp_max_syn_backlog
net.core.somaxconn = 65535
net.ipv4.tcp_max_syn_backlog = 65535
[root@drc-redis-cl-03 ~]#
```

Result:

Location	Server Name	OK / NOK
DC	dc-redis-cl-01	OK
	dc-redis-cl-02	OK
	dc-redis-cl-03	OK
DRC	drc-redis-cl-01	OK
	drc-redis-cl-02	OK
	drc-redis-cl-03	OK

Remarks:

None

REDIS-SERVER INSTALLATION

Description:

Check installation location of Redis binaries

Check installed version of redis-server

Check status and autostart flag of redis-master and redis-slave services

Check ports use by redis services

Note:

Check on all servers

Run command as sudo user

Location of Redis Binaries

Command:

```
whereis redis-server
whereis redis-benchmark
whereis redis-cli
```

Sample output:

```
[root@dc-redis-cl-02 ~]# whereis redis-server
redis-server: /usr/local/bin/redis-server

[root@dc-redis-cl-02 ~]# whereis redis-benchmark
redis-benchmark: /usr/local/bin/redis-benchmark

[root@dc-redis-cl-02 ~]# whereis redis-cli
redis-cli: /usr/local/bin/redis-cli
```

Actual Output:



```
root@dc-redis-cl-01:~
[root@dc-redis-cl-01 ~]# whereis redis-server
redis-server: /usr/local/bin/redis-server
[root@dc-redis-cl-01 ~]# whereis redis-benchmark
redis-benchmark: /usr/local/bin/redis-benchmark
[root@dc-redis-cl-01 ~]# whereis redis-cli
redis-cli: /usr/local/bin/redis-cli
[root@dc-redis-cl-01 ~]#

root@dc-redis-cl-02:~
[root@dc-redis-cl-02 ~]# whereis redis-server
redis-server: /usr/local/bin/redis-server
[root@dc-redis-cl-02 ~]# whereis redis-benchmark
redis-benchmark: /usr/local/bin/redis-benchmark
[root@dc-redis-cl-02 ~]# whereis redis-cli
redis-cli: /usr/local/bin/redis-cli
[root@dc-redis-cl-02 ~]#

root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# whereis redis-server
redis-server: /usr/local/bin/redis-server
[root@dc-redis-cl-03 ~]# whereis redis-benchmark
redis-benchmark: /usr/local/bin/redis-benchmark
[root@dc-redis-cl-03 ~]# whereis redis-cli
redis-cli: /usr/local/bin/redis-cli
[root@dc-redis-cl-03 ~]#

root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# whereis redis-server
redis-server: /usr/local/bin/redis-server
[root@drc-redis-cl-01 ~]# whereis redis-benchmark
redis-benchmark: /usr/local/bin/redis-benchmark
[root@drc-redis-cl-01 ~]# whereis redis-cli
redis-cli: /usr/local/bin/redis-cli
[root@drc-redis-cl-01 ~]#
```



```
root@drc-redis-cl-02:~  
[root@drc-redis-cl-02 ~]# whereis redis-server  
redis-server: /usr/local/bin/redis-server  
[root@drc-redis-cl-02 ~]# whereis redis-benchmark  
redis-benchmark: /usr/local/bin/redis-benchmark  
[root@drc-redis-cl-02 ~]# whereis redis-cli  
redis-cli: /usr/local/bin/redis-cli  
[root@drc-redis-cl-02 ~]#  
  
root@drc-redis-cl-03:~  
[root@drc-redis-cl-03 ~]# whereis redis-server  
redis-server: /usr/local/bin/redis-server  
[root@drc-redis-cl-03 ~]# whereis redis-benchmark  
redis-benchmark: /usr/local/bin/redis-benchmark  
[root@drc-redis-cl-03 ~]# whereis redis-cli  
redis-cli: /usr/local/bin/redis-cli  
[root@drc-redis-cl-03 ~]#
```

Result:

Location	Server Name	OK / NOK
DC	dc-redis-cl-01	OK
	dc-redis-cl-02	OK
	dc-redis-cl-03	OK
DRC	drc-redis-cl-01	OK
	drc-redis-cl-02	OK
	drc-redis-cl-03	OK

Remarks:

None

Installed redis-server Version

Command:

```
redis-server --version
```

Sample Output:

```
[root@dc-redis-cl-02 ~]# redis-server --version
Redis server v=7.0.11 sha=00000000:0 malloc=jemalloc-5.2.1 bits=64 build=8ea3979dcea46477
```

Actual Output:

```
[root@dc-redis-cl-01 ~]#
[root@dc-redis-cl-01 ~]# redis-server --version
Redis server v=7.0.11 sha=00000000:0 malloc=jemalloc-5.2.1 bits=64 build=4f38aec2cdf622b
[root@dc-redis-cl-01 ~]#

[root@dc-redis-cl-02 ~]#
[root@dc-redis-cl-02 ~]# redis-server --version
Redis server v=7.0.11 sha=00000000:0 malloc=jemalloc-5.2.1 bits=64 build=8ea3979dcea46477
[root@dc-redis-cl-02 ~]#

[root@dc-redis-cl-03 ~]#
[root@dc-redis-cl-03 ~]# redis-server --version
Redis server v=7.0.11 sha=00000000:0 malloc=jemalloc-5.2.1 bits=64 build=ae7bf4a321e84deb
[root@dc-redis-cl-03 ~]#

[root@drc-redis-cl-01 ~]#
[root@drc-redis-cl-01 ~]# redis-server --version
Redis server v=7.0.11 sha=00000000:0 malloc=jemalloc-5.2.1 bits=64 build=e11ff0a0196fdcf0
[root@drc-redis-cl-01 ~]#

[root@drc-redis-cl-02 ~]#
[root@drc-redis-cl-02 ~]# redis-server --version
Redis server v=7.0.11 sha=00000000:0 malloc=jemalloc-5.2.1 bits=64 build=5dc2b424a83998a1
[root@drc-redis-cl-02 ~]#

[root@drc-redis-cl-03 ~]#
[root@drc-redis-cl-03 ~]# redis-server --version
Redis server v=7.0.11 sha=00000000:0 malloc=jemalloc-5.2.1 bits=64 build=65fee783b0981180
[root@drc-redis-cl-03 ~]#
```

Note:

Installed version might be newer, please write down installed version.

Result:

Location	Server Name	Version
DC	dc-redis-cl-01	7.0.11
	dc-redis-cl-02	7.0.11
	dc-redis-cl-03	7.0.11
DRC	drc-redis-cl-01	7.0.11
	drc-redis-cl-02	7.0.11
	drc-redis-cl-03	7.0.11

Remarks:

None

Service Status and Autostart

Description:

Service active status must be active

Service autostart status must be enabled

Command:

```
systemctl status redis-master  
systemctl status redis-slave
```

Sample Output:

```
[root@dc-redis-cl-03 ~]# systemctl status redis-master  
● redis-master.service - Redis data structure server - redis-master  
   Loaded: loaded (/etc/systemd/system/redis-master.service; enabled; vendor preset: disabled)  
   Active: active (running) since Wed 2023-05-10 13:02:51 WIB; 6 days ago  
     Docs: https://redis.io/documentation  
  Main PID: 17464 (redis-server)  
    Status: "MASTER <-> REPLICAS sync: Finished with success. Ready to accept connections in read-write mode."  
    Tasks: 6 (limit: 1645251)  
   Memory: 9.1M  
   CGroup: /system.slice/redis-master.service  
           └─17464 /usr/local/bin/redis-server 127.0.0.1:7000 [cluster]  
  
[root@dc-redis-cl-03 ~]# systemctl status redis-slave  
● redis-slave.service - Redis data structure server - redis-slave  
   Loaded: loaded (/etc/systemd/system/redis-slave.service; enabled; vendor preset: disabled)  
   Active: active (running) since Wed 2023-05-10 15:00:12 WIB; 6 days ago  
     Docs: https://redis.io/documentation  
  Main PID: 19216 (redis-server)  
    Status: "MASTER <-> REPLICAS sync: Finished with success. Ready to accept connections in read-write mode."  
    Tasks: 6 (limit: 1645251)  
   Memory: 12.5M  
   CGroup: /system.slice/redis-slave.service  
           └─19216 /usr/local/bin/redis-server 127.0.0.1:7001 [cluster]
```

Note:

Check green highlight marking in above sample for service running status

Check yellow highlight marking in above sample for service autostart flag status

Actual Output:

```
root@dc-redis-cl-01:~  
[root@dc-redis-cl-01 ~]# systemctl status redis-master  
● redis-master.service - Redis data structure server - redis-master  
   Loaded: loaded (/etc/systemd/system/redis-master.service; enabled; vendor preset: disabled)  
   Active: active (running) since Tue 2023-05-23 16:21:54 WIB; 19s ago  
     Docs: https://redis.io/documentation  
   Main PID: 356105 (redis-server)  
   Status: "MASTER <-> REPLICAsync: Finished with success. Ready to accept connections in read-write mode."  
   Tasks: 6 (limit: 1645251)  
  Memory: 7.0M  
   CGroup: /system.slice/redis-master.service  
           └─356105 /usr/local/bin/redis-server 127.0.0.1:7000 [cluster]  
  
May 23 16:21:54 dc-redis-cl-01 systemd[1]: Starting Redis data structure server - redis-master...  
May 23 16:21:54 dc-redis-cl-01 systemd[1]: Started Redis data structure server - redis-master.  
[root@dc-redis-cl-01 ~]# systemctl status redis-slave  
● redis-slave.service - Redis data structure server - redis-slave  
   Loaded: loaded (/etc/systemd/system/redis-slave.service; enabled; vendor preset: disabled)  
   Active: active (running) since Tue 2023-05-23 16:21:57 WIB; 19s ago  
     Docs: https://redis.io/documentation  
   Main PID: 356112 (redis-server)  
   Status: "MASTER <-> REPLICAsync: Finished with success. Ready to accept connections in read-write mode."  
   Tasks: 6 (limit: 1645251)  
  Memory: 7.0M  
   CGroup: /system.slice/redis-slave.service  
           └─356112 /usr/local/bin/redis-server 127.0.0.1:7001 [cluster]  
  
May 23 16:21:57 dc-redis-cl-01 systemd[1]: Starting Redis data structure server - redis-slave...  
May 23 16:21:57 dc-redis-cl-01 systemd[1]: Started Redis data structure server - redis-slave.  
[root@dc-redis-cl-01 ~]#
```

```
root@dc-redis-cl-02:~  
[root@dc-redis-cl-02 ~]# systemctl status redis-master  
● redis-master.service - Redis data structure server - redis-master  
   Loaded: loaded (/etc/systemd/system/redis-master.service; enabled; vendor preset: disabled)  
   Active: active (running) since Wed 2023-05-17 10:43:57 WIB; 6 days ago  
     Docs: https://redis.io/documentation  
   Main PID: 2137 (redis-server)  
   Status: "Ready to accept connections"  
   Tasks: 5 (limit: 1645251)  
  Memory: 341.7M  
   CGroup: /system.slice/redis-master.service  
           └─2137 /usr/local/bin/redis-server 127.0.0.1:7000 [cluster]  
  
May 17 10:43:57 dc-redis-cl-02 systemd[1]: Starting Redis data structure server - redis-master...  
May 17 10:43:57 dc-redis-cl-02 systemd[1]: Started Redis data structure server - redis-master.  
[root@dc-redis-cl-02 ~]# systemctl status redis-slave  
● redis-slave.service - Redis data structure server - redis-slave  
   Loaded: loaded (/etc/systemd/system/redis-slave.service; enabled; vendor preset: disabled)  
   Active: active (running) since Wed 2023-05-17 10:45:13 WIB; 6 days ago  
     Docs: https://redis.io/documentation  
   Main PID: 3226 (redis-server)  
   Status: "MASTER <-> REPLICAsync: Finished with success. Ready to accept connections in read-write mode."  
   Tasks: 6 (limit: 1645251)  
  Memory: 337.9M  
   CGroup: /system.slice/redis-slave.service  
           └─3226 /usr/local/bin/redis-server 127.0.0.1:7001 [cluster]  
  
May 17 10:45:13 dc-redis-cl-02 systemd[1]: Starting Redis data structure server - redis-slave...  
May 17 10:45:13 dc-redis-cl-02 systemd[1]: Started Redis data structure server - redis-slave.  
[root@dc-redis-cl-02 ~]#
```

```
root@dc-redis-cl-03:~  
[root@dc-redis-cl-03 ~]# systemctl status redis-master  
● redis-master.service - Redis data structure server - redis-master  
   Loaded: loaded (/etc/systemd/system/redis-master.service; enabled; vendor preset: disabled)  
   Active: active (running) since Tue 2023-05-23 16:20:27 WIB; 29s ago  
     Docs: https://redis.io/documentation  
    Main PID: 338114 (redis-server)  
   Status: "Ready to accept connections"  
   Tasks: 5 (limit: 1645251)  
  Memory: 6.6M  
   CGroup: /system.slice/redis-master.service  
           └─338114 /usr/local/bin/redis-server 127.0.0.1:7000 [cluster]  
  
May 23 16:20:27 dc-redis-cl-03 systemd[1]: Starting Redis data structure server - redis-master...  
May 23 16:20:27 dc-redis-cl-03 systemd[1]: Started Redis data structure server - redis-master.  
[root@dc-redis-cl-03 ~]# systemctl status redis-slave  
● redis-slave.service - Redis data structure server - redis-slave  
   Loaded: loaded (/etc/systemd/system/redis-slave.service; enabled; vendor preset: disabled)  
   Active: active (running) since Tue 2023-05-23 16:20:30 WIB; 31s ago  
     Docs: https://redis.io/documentation  
    Main PID: 338121 (redis-server)  
   Status: "MASTER <-> REPLICATION sync: Finished with success. Ready to accept connections in read-write mode."  
   Tasks: 6 (limit: 1645251)  
  Memory: 7.2M  
   CGroup: /system.slice/redis-slave.service  
           └─338121 /usr/local/bin/redis-server 127.0.0.1:7001 [cluster]  
  
May 23 16:20:30 dc-redis-cl-03 systemd[1]: Starting Redis data structure server - redis-slave...  
May 23 16:20:30 dc-redis-cl-03 systemd[1]: Started Redis data structure server - redis-slave.  
[root@dc-redis-cl-03 ~]#
```

```
root@drc-redis-cl-01:~  
[root@drc-redis-cl-01 ~]# systemctl status redis-master  
● redis-master.service - Redis data structure server - redis-master  
   Loaded: loaded (/etc/systemd/system/redis-master.service; enabled; vendor preset: disabled)  
   Active: active (running) since Fri 2023-05-19 15:24:33 WIB; 4 days ago  
     Docs: https://redis.io/documentation  
    Main PID: 1795 (redis-server)  
   Status: "MASTER <-> REPLICATION sync: Finished with success. Ready to accept connections in read-write mode."  
   Tasks: 6 (limit: 1645377)  
  Memory: 6.9M  
   CGroup: /system.slice/redis-master.service  
           └─1795 /usr/local/bin/redis-server 127.0.0.1:7000 [cluster]  
  
May 19 15:24:33 drc-redis-cl-01 systemd[1]: Starting Redis data structure server - redis-master...  
May 19 15:24:33 drc-redis-cl-01 systemd[1]: Started Redis data structure server - redis-master.  
[root@drc-redis-cl-01 ~]# systemctl status redis-slave  
● redis-slave.service - Redis data structure server - redis-slave  
   Loaded: loaded (/etc/systemd/system/redis-slave.service; enabled; vendor preset: disabled)  
   Active: active (running) since Fri 2023-05-19 15:24:33 WIB; 4 days ago  
     Docs: https://redis.io/documentation  
    Main PID: 1796 (redis-server)  
   Status: "MASTER <-> REPLICATION sync: Partial Resynchronization accepted. Ready to accept connections in read-write mode."  
   Tasks: 5 (limit: 1645377)  
  Memory: 6.5M  
   CGroup: /system.slice/redis-slave.service  
           └─1796 /usr/local/bin/redis-server 127.0.0.1:7001 [cluster]  
  
May 19 15:24:33 drc-redis-cl-01 systemd[1]: Starting Redis data structure server - redis-slave...  
May 19 15:24:33 drc-redis-cl-01 systemd[1]: Started Redis data structure server - redis-slave.  
[root@drc-redis-cl-01 ~]#
```

```
root@drc-redis-cl-02:~  
[root@drc-redis-cl-02 ~]# systemctl status redis-master  
● redis-master.service - Redis data structure server - redis-master  
   Loaded: loaded (/etc/systemd/system/redis-master.service; enabled; vendor preset: disabled)  
   Active: active (running) since Wed 2023-05-10 16:18:50 WIB; 1 weeks 6 days ago  
     Docs: https://redis.io/documentation  
   Main PID: 1807 (redis-server)  
   Status: "MASTER <-> REPLICAsync: Finished with success. Ready to accept connections in read-write mode."  
   Tasks: 6 (limit: 1645377)  
  Memory: 7.7M  
   CGroup: /system.slice/redis-master.service  
           └─1807 /usr/local/bin/redis-server 127.0.0.1:7000 [cluster]  
  
May 10 16:18:50 drc-redis-cl-02 systemd[1]: Starting Redis data structure server - redis-master...  
May 10 16:18:50 drc-redis-cl-02 systemd[1]: Started Redis data structure server - redis-master.  
[root@drc-redis-cl-02 ~]# systemctl status redis-slave  
● redis-slave.service - Redis data structure server - redis-slave  
   Loaded: loaded (/etc/systemd/system/redis-slave.service; enabled; vendor preset: disabled)  
   Active: active (running) since Fri 2023-05-19 15:30:12 WIB; 4 days ago  
     Docs: https://redis.io/documentation  
   Main PID: 58405 (redis-server)  
   Status: "MASTER <-> REPLICAsync: Finished with success. Ready to accept connections in read-write mode."  
   Tasks: 6 (limit: 1645377)  
  Memory: 6.7M  
   CGroup: /system.slice/redis-slave.service  
           └─58405 /usr/local/bin/redis-server 127.0.0.1:7001 [cluster]  
  
May 19 15:30:12 drc-redis-cl-02 systemd[1]: Starting Redis data structure server - redis-slave...  
May 19 15:30:12 drc-redis-cl-02 systemd[1]: Started Redis data structure server - redis-slave.  
[root@drc-redis-cl-02 ~]#
```

```
root@drc-redis-cl-03:~  
[root@drc-redis-cl-03 ~]# systemctl status redis-master  
● redis-master.service - Redis data structure server - redis-master  
   Loaded: loaded (/etc/systemd/system/redis-master.service; enabled; vendor preset: disabled)  
   Active: active (running) since Tue 2023-05-09 13:15:27 WIB; 2 weeks 0 days ago  
     Docs: https://redis.io/documentation  
   Main PID: 1907 (redis-server)  
   Status: "Ready to accept connections"  
   Tasks: 5 (limit: 1645379)  
  Memory: 7.4M  
   CGroup: /system.slice/redis-master.service  
           └─1907 /usr/local/bin/redis-server 127.0.0.1:7000 [cluster]  
  
May 09 13:15:27 drc-redis-cl-03 systemd[1]: Starting Redis data structure server - redis-master...  
May 09 13:15:27 drc-redis-cl-03 systemd[1]: Started Redis data structure server - redis-master.  
[root@drc-redis-cl-03 ~]# systemctl status redis-slave  
● redis-slave.service - Redis data structure server - redis-slave  
   Loaded: loaded (/etc/systemd/system/redis-slave.service; enabled; vendor preset: disabled)  
   Active: active (running) since Wed 2023-05-10 16:30:12 WIB; 1 weeks 5 days ago  
     Docs: https://redis.io/documentation  
   Main PID: 3787 (redis-server)  
   Status: "MASTER <-> REPLICAsync: Finished with success. Ready to accept connections in read-write mode."  
   Tasks: 6 (limit: 1645379)  
  Memory: 7.5M  
   CGroup: /system.slice/redis-slave.service  
           └─3787 /usr/local/bin/redis-server 127.0.0.1:7001 [cluster]  
  
May 10 16:30:12 drc-redis-cl-03 systemd[1]: Starting Redis data structure server - redis-slave...  
May 10 16:30:12 drc-redis-cl-03 systemd[1]: Started Redis data structure server - redis-slave.  
[root@drc-redis-cl-03 ~]#
```

Result:

Location	Server Name	Node	OK / NOK	
			Active	Autostart
DC	dc-redis-cl-01	redis-master	OK	OK
		redis-slave	OK	OK
	dc-redis-cl-02	redis-master	OK	OK
		redis-slave	OK	OK
	dc-redis-cl-03	redis-master	OK	OK
		redis-slave	OK	OK
DRC	drc-redis-cl-01	redis-master	OK	OK
		redis-slave	OK	OK
	drc-redis-cl-02	redis-master	OK	OK
		redis-slave	OK	OK
	drc-redis-cl-03	redis-master	OK	OK
		redis-slave	OK	OK

Remarks:

None

Redis-Server Open Ports

Description:

Check all ports used by redis-master and redis-slave services

Command:

```
ss -nlp | grep redis-server
```

Sample output:

```
[root@dc-redis-cl-03 ~]# ss -nlp | grep redis-server
tcp        LISTEN 0      511                172.28.200.237:7000          0.0.0.0:*
users: (("redis-server",pid=2141,fd=7))
tcp        LISTEN 0      511                127.0.0.1:7000             0.0.0.0:*
users: (("redis-server",pid=2141,fd=6))
tcp        LISTEN 0      511                172.28.200.237:7001          0.0.0.0:*
users: (("redis-server",pid=2142,fd=7))
tcp        LISTEN 0      511                127.0.0.1:7001             0.0.0.0:*
users: (("redis-server",pid=2142,fd=6))
tcp        LISTEN 0      511                172.28.200.237:17000         0.0.0.0:*
users: (("redis-server",pid=2141,fd=10))
tcp        LISTEN 0      511                127.0.0.1:17000            0.0.0.0:*
users: (("redis-server",pid=2141,fd=9))
tcp        LISTEN 0      511                172.28.200.237:17001         0.0.0.0:*
users: (("redis-server",pid=2142,fd=10))
tcp        LISTEN 0      511                127.0.0.1:17001            0.0.0.0:*
users: (("redis-server",pid=2142,fd=9))
```

Note:

IP address 127.0.0.1 is for service running in localhost

Port 17000 and 17001 are used for cluster communication between nodes.

Actual Output:

```
root@dc-redis-cl-01:~
[root@dc-redis-cl-01 ~]# ss -nlp | grep redis-server
tcp        LISTEN 0      511                172.28.200.235:17000         0.0.0.0:*      users
: (("redis-server",pid=356105,fd=10))
tcp        LISTEN 0      511                127.0.0.1:17000             0.0.0.0:*      users
: (("redis-server",pid=356105,fd=9))
tcp        LISTEN 0      511                172.28.200.235:17001         0.0.0.0:*      users
: (("redis-server",pid=356112,fd=10))
tcp        LISTEN 0      511                127.0.0.1:17001             0.0.0.0:*      users
: (("redis-server",pid=356112,fd=9))
tcp        LISTEN 0      511                172.28.200.235:7000          0.0.0.0:*      users
: (("redis-server",pid=356105,fd=7))
tcp        LISTEN 0      511                127.0.0.1:7000              0.0.0.0:*      users
: (("redis-server",pid=356105,fd=6))
tcp        LISTEN 0      511                172.28.200.235:7001          0.0.0.0:*      users
: (("redis-server",pid=356112,fd=7))
tcp        LISTEN 0      511                127.0.0.1:7001              0.0.0.0:*      users
: (("redis-server",pid=356112,fd=6))
[root@dc-redis-cl-01 ~]#

root@dc-redis-cl-02:~
[root@dc-redis-cl-02 ~]# ss -nlp | grep redis-server
tcp        LISTEN 0      511                172.28.200.236:17000         0.0.0.0:*      user
s: (("redis-server",pid=2137,fd=10))
tcp        LISTEN 0      511                127.0.0.1:17000             0.0.0.0:*      user
s: (("redis-server",pid=2137,fd=9))
tcp        LISTEN 0      511                172.28.200.236:17001         0.0.0.0:*      user
s: (("redis-server",pid=3226,fd=10))
tcp        LISTEN 0      511                127.0.0.1:17001             0.0.0.0:*      user
s: (("redis-server",pid=3226,fd=9))
tcp        LISTEN 0      511                172.28.200.236:7000          0.0.0.0:*      user
s: (("redis-server",pid=2137,fd=7))
tcp        LISTEN 0      511                127.0.0.1:7000              0.0.0.0:*      user
s: (("redis-server",pid=2137,fd=6))
tcp        LISTEN 0      511                172.28.200.236:7001          0.0.0.0:*      user
s: (("redis-server",pid=3226,fd=7))
tcp        LISTEN 0      511                127.0.0.1:7001              0.0.0.0:*      user
s: (("redis-server",pid=3226,fd=6))
[root@dc-redis-cl-02 ~]#
```



```
root@drc-redis-cl-03:~  
[root@drc-redis-cl-03 ~]# ss -nlp | grep redis-server  
tcp LISTEN 0 511 172.28.200.237:7000 0.0.0.0:* users:  
: ("redis-server",pid=338114,fd=7)  
tcp LISTEN 0 511 127.0.0.1:7000 0.0.0.0:* users:  
: ("redis-server",pid=338114,fd=6)  
tcp LISTEN 0 511 172.28.200.237:7001 0.0.0.0:* users:  
: ("redis-server",pid=338121,fd=7)  
tcp LISTEN 0 511 127.0.0.1:7001 0.0.0.0:* users:  
: ("redis-server",pid=338121,fd=6)  
tcp LISTEN 0 511 172.28.200.237:17000 0.0.0.0:* users:  
: ("redis-server",pid=338114,fd=10)  
tcp LISTEN 0 511 127.0.0.1:17000 0.0.0.0:* users:  
: ("redis-server",pid=338114,fd=9)  
tcp LISTEN 0 511 172.28.200.237:17001 0.0.0.0:* users:  
: ("redis-server",pid=338121,fd=10)  
tcp LISTEN 0 511 127.0.0.1:17001 0.0.0.0:* users:  
: ("redis-server",pid=338121,fd=9)  
[root@drc-redis-cl-03 ~]#
```

```
root@drc-redis-cl-01:~  
[root@drc-redis-cl-01 ~]# ss -nlp | grep redis-server  
tcp LISTEN 0 511 172.28.100.235:17000 0.0.0.0:* users:  
: ("redis-server",pid=1795,fd=10)  
tcp LISTEN 0 511 127.0.0.1:17000 0.0.0.0:* users:  
: ("redis-server",pid=1795,fd=9)  
tcp LISTEN 0 511 172.28.100.235:17001 0.0.0.0:* users:  
: ("redis-server",pid=1796,fd=10)  
tcp LISTEN 0 511 127.0.0.1:17001 0.0.0.0:* users:  
: ("redis-server",pid=1796,fd=9)  
tcp LISTEN 0 511 172.28.100.235:7000 0.0.0.0:* users:  
: ("redis-server",pid=1795,fd=7)  
tcp LISTEN 0 511 127.0.0.1:7000 0.0.0.0:* users:  
: ("redis-server",pid=1795,fd=6)  
tcp LISTEN 0 511 172.28.100.235:7001 0.0.0.0:* users:  
: ("redis-server",pid=1796,fd=7)  
tcp LISTEN 0 511 127.0.0.1:7001 0.0.0.0:* users:  
: ("redis-server",pid=1796,fd=6)  
[root@drc-redis-cl-01 ~]#
```

```
root@drc-redis-cl-02:~  
[root@drc-redis-cl-02 ~]# ss -nlp | grep redis-server  
tcp LISTEN 0 511 172.28.100.236:17000 0.0.0.0:* users:  
: ("redis-server",pid=1807,fd=10)  
tcp LISTEN 0 511 127.0.0.1:17000 0.0.0.0:* users:  
: ("redis-server",pid=1807,fd=9)  
tcp LISTEN 0 511 172.28.100.236:17001 0.0.0.0:* users:  
: ("redis-server",pid=58405,fd=10)  
tcp LISTEN 0 511 127.0.0.1:17001 0.0.0.0:* users:  
: ("redis-server",pid=58405,fd=9)  
tcp LISTEN 0 511 172.28.100.236:7000 0.0.0.0:* users:  
: ("redis-server",pid=1807,fd=7)  
tcp LISTEN 0 511 127.0.0.1:7000 0.0.0.0:* users:  
: ("redis-server",pid=1807,fd=6)  
tcp LISTEN 0 511 172.28.100.236:7001 0.0.0.0:* users:  
: ("redis-server",pid=58405,fd=7)  
tcp LISTEN 0 511 127.0.0.1:7001 0.0.0.0:* users:  
: ("redis-server",pid=58405,fd=6)  
[root@drc-redis-cl-02 ~]#
```

```
root@drc-redis-cl-03:~  
[root@drc-redis-cl-03 ~]# ss -nlp | grep redis-server  
tcp LISTEN 0 511 172.28.100.237:17000 0.0.0.0:* users:  
: ("redis-server",pid=1907,fd=10)  
tcp LISTEN 0 511 127.0.0.1:17000 0.0.0.0:* users:  
: ("redis-server",pid=1907,fd=9)  
tcp LISTEN 0 511 172.28.100.237:17001 0.0.0.0:* users:  
: ("redis-server",pid=3787,fd=10)  
tcp LISTEN 0 511 127.0.0.1:17001 0.0.0.0:* users:  
: ("redis-server",pid=3787,fd=9)  
tcp LISTEN 0 511 172.28.100.237:7000 0.0.0.0:* users:  
: ("redis-server",pid=1907,fd=7)  
tcp LISTEN 0 511 127.0.0.1:7000 0.0.0.0:* users:  
: ("redis-server",pid=1907,fd=6)  
tcp LISTEN 0 511 172.28.100.237:7001 0.0.0.0:* users:  
: ("redis-server",pid=3787,fd=7)  
tcp LISTEN 0 511 127.0.0.1:7001 0.0.0.0:* users:  
: ("redis-server",pid=3787,fd=6)  
[root@drc-redis-cl-03 ~]#
```

Result:

Location	Server Name	OK / NOK
DC	dc-redis-cl-01	OK
	dc-redis-cl-02	OK
	dc-redis-cl-03	OK
DRC	drc-redis-cl-01	OK
	drc-redis-cl-02	OK
	drc-redis-cl-03	OK

Remark:

None

REDIS REPLICATION

Description:

There are three pairs master-slave replications
We will check each pair replication status

Note:

Can be run on any server

DC Location

Master1 - Slave1 Pair

Description:

Node master1: 172.28.200.235:7000

Node slave1: 172.28.200.236:7001

Command:

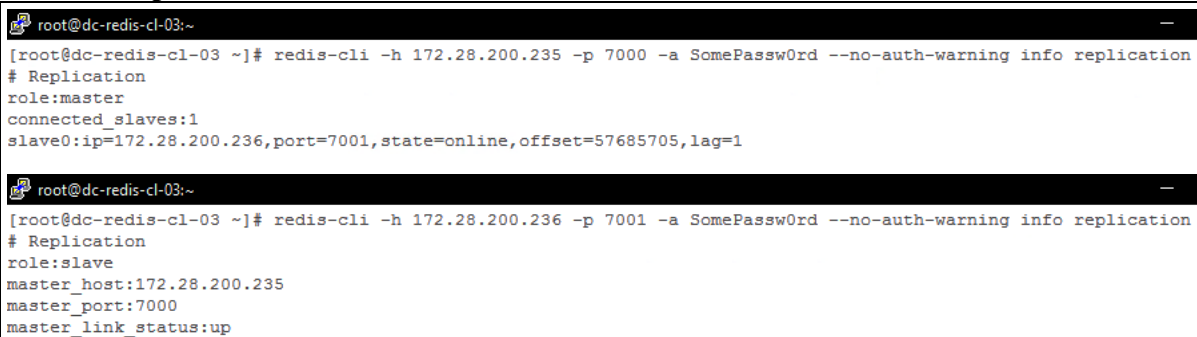
```
redis-cli -h 172.28.200.235 -p 7000 -a SomePassw0rd --no-auth-warning info replication
redis-cli -h 172.28.200.236 -p 7001 -a SomePassw0rd --no-auth-warning info replication
```

Sample output:

```
[root@dc-redis-cl-03 ~]# redis-cli -h 172.28.200.235 -p 7000 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:master
connected_slaves:1
slave0:ip=172.28.200.236,port=7001,state=online,offset=29088302,lag=0
...
[output truncated]

[root@dc-redis-cl-03 ~]# redis-cli -h 172.28.200.236 -p 7001 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:slave
master_host:172.28.200.235
master_port:7000
master_link_status:up
...
[output truncated]
```

Actual Output:



The image shows two terminal windows. The top window shows the output of the command on the master node (172.28.200.235:7000), indicating it is a master with one connected slave. The bottom window shows the output of the command on the slave node (172.28.200.236:7001), indicating it is a slave connected to the master at 172.28.200.235:7000.

```
root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# redis-cli -h 172.28.200.235 -p 7000 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:master
connected_slaves:1
slave0:ip=172.28.200.236,port=7001,state=online,offset=57685705,lag=1

root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# redis-cli -h 172.28.200.236 -p 7001 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:slave
master_host:172.28.200.235
master_port:7000
master_link_status:up
```

Master2 - Slave2 Pair

Description:

Node Master2: 172.28.200.236:7000

Node Slave2: 172.28.200.237:7001

Command:

```
redis-cli -h 172.28.200.236 -p 7000 -a SomePassw0rd --no-auth-warning info replication
redis-cli -h 172.28.200.237 -p 7001 -a SomePassw0rd --no-auth-warning info replication
```

Actual Output:

```
root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# redis-cli -h 172.28.200.236 -p 7000 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:master
connected_slaves:1
slave0:ip=172.28.200.237,port=7001,state=online,offset=53668702,lag=1
```

```
root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# redis-cli -h 172.28.200.237 -p 7001 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:slave
master_host:172.28.200.236
master_port:7000
master_link_status:up
```

Master3 - Slave3 Pair

Description:

Node Master3: 172.28.200.237:7000

Node Slave3: 172.28.200.235:7001

Command:

```
redis-cli -h 172.28.200.237 -p 7000 -a SomePassw0rd --no-auth-warning info replication
redis-cli -h 172.28.200.235 -p 7001 -a SomePassw0rd --no-auth-warning info replication
```

Actual Output:

```
root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# redis-cli -h 172.28.200.237 -p 7000 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:master
connected_slaves:1
slave0:ip=172.28.200.235,port=7001,state=online,offset=952,lag=1
```

```
root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# redis-cli -h 172.28.200.235 -p 7001 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:slave
master_host:172.28.200.237
master_port:7000
master_link_status:up
```

DRC Location

Master1 - Slave1 Pair

Description:

Node master1: 172.28.100.235:7000

Node slave1: 172.28.100.236:7001

Command:

```
redis-cli -h 172.28.100.235 -p 7000 -a SomePassw0rd --no-auth-warning info replication
redis-cli -h 172.28.100.236 -p 7001 -a SomePassw0rd --no-auth-warning info replication
```

Actual Output:

```
root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# redis-cli -h 172.28.100.235 -p 7000 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:master
connected_slaves:1
slave0:ip=172.28.100.236,port=7001,state=online,offset=1699306,lag=1
```

```
root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# redis-cli -h 172.28.100.236 -p 7001 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:slave
master_host:172.28.100.235
master_port:7000
master_link_status:up
```

Master2 - Slave2 Pair

Node Master2: 172.28.100.236:7000

Node Slave2: 172.28.100.237:7001

Command:

```
redis-cli -h 172.28.100.236 -p 7000 -a SomePassw0rd --no-auth-warning info replication
redis-cli -h 172.28.100.237 -p 7001 -a SomePassw0rd --no-auth-warning info replication
```

Actual Output:

```
root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# redis-cli -h 172.28.100.236 -p 7000 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:master
connected_slaves:1
slave0:ip=172.28.100.237,port=7001,state=online,offset=1699712,lag=1
```

```
root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# redis-cli -h 172.28.100.237 -p 7001 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:slave
master_host:172.28.100.236
master_port:7000
master_link_status:up
```

Master3 - Slave3 Pair

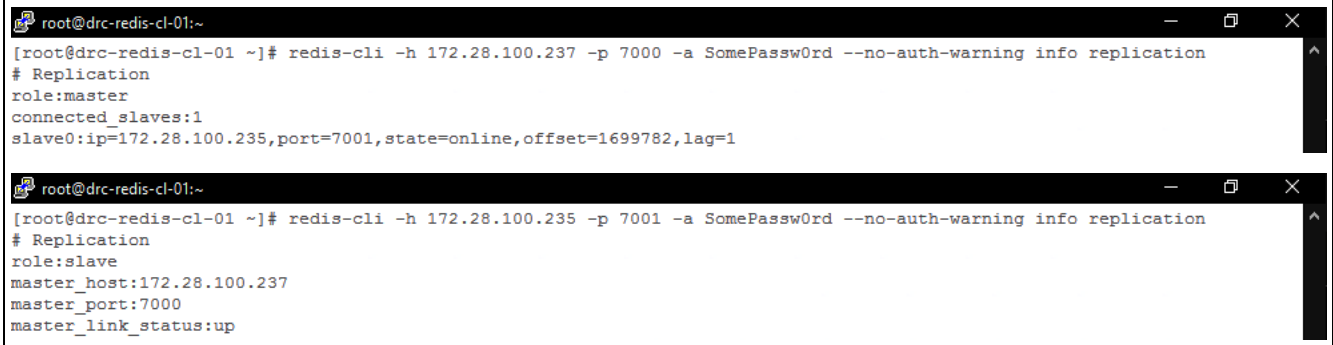
Node Master3: 172.28.100.237:7000

Node Slave3: 172.28.100.235:7001

Command:

```
redis-cli -h 172.28.100.237 -p 7000 -a SomePassw0rd --no-auth-warning info replication
redis-cli -h 172.28.100.235 -p 7001 -a SomePassw0rd --no-auth-warning info replication
```

Actual Output:



```
root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# redis-cli -h 172.28.100.237 -p 7000 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:master
connected_slaves:1
slave0:ip=172.28.100.235,port=7001,state=online,offset=1699782,lag=1

root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# redis-cli -h 172.28.100.235 -p 7001 -a SomePassw0rd --no-auth-warning info replication
# Replication
role:slave
master_host:172.28.100.237
master_port:7000
master_link_status:up
```

Result:

Location	Master - Slave Pair	OK / NOK
DC	master1 - slave1	OK
	master2 - slave2	OK
	master3 - slave3	OK
DRC	master1 - slave1	OK
	master2 - slave2	OK
	master3 - slave3	OK

Remark:

None

REDIS CLUSTER

Cluster Information

Description:

Check status of Redis cluster

Note:

Can be run on any server

DC Location

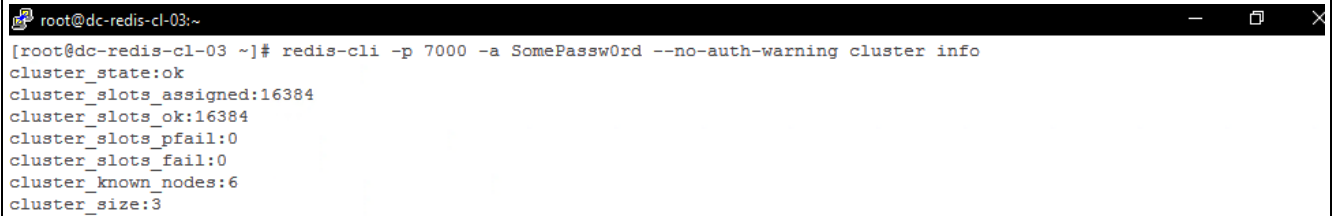
Command:

```
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
```

Sample output:

```
[root@dc-redis-cl-03 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
cluster_state:ok
cluster_slots_assigned:16384
cluster_slots_ok:16384
cluster_slots_pfail:0
cluster_slots_fail:0
cluster_known_nodes:6
cluster_size:3
...
[output truncated]
```

Actual Output:



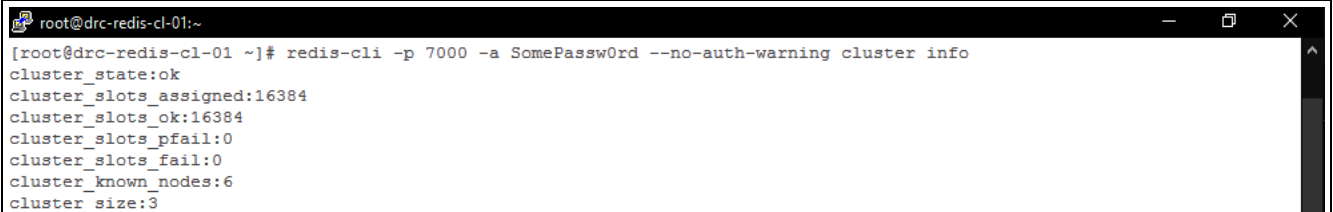
```
root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
cluster_state:ok
cluster_slots_assigned:16384
cluster_slots_ok:16384
cluster_slots_pfail:0
cluster_slots_fail:0
cluster_known_nodes:6
cluster_size:3
```

DRC Location

Command:

```
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
```

Actual Output:



```
root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
cluster_state:ok
cluster_slots_assigned:16384
cluster_slots_ok:16384
cluster_slots_pfail:0
cluster_slots_fail:0
cluster_known_nodes:6
cluster_size:3
```

Result:

Location	OK / NOK
DC	OK
DRC	OK

Remark:

None

Cluster Nodes and Slots Allocation

Description:

Check nodes and slots allocation within Redis cluster

Note:

Can be run on any server

DC Location

Command:

```
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
```

Sample Output:

```
[root@dc-redis-cl-03 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
562668241828b5778eff4aa6ff4d5cdc4424efac 172.28.200.235:7001@17001 slave bla719aa0b8016d4745650fe62938ecb6471657f 0
1684291930955 20 connected
7fa59cc16bf650ffa17108f8e4eb023e8cd18be3 172.28.200.236:7001@17001 slave 37a53f3fb4604aee23514144c0b9d7cb138e4f34 0
1684291930052 16 connected
bbcc283501b43990a333e5ddf01ac1466588aeb9 172.28.200.237:7001@17001 slave 91747e7a6715afeb606cb61378c07a65d07016e1 0
1684291928949 18 connected
bla719aa0b8016d4745650fe62938ecb6471657f 172.28.200.237:7000@17000 myself,master - 0 1684291928000 20 connected
10923-16383
91747e7a6715afeb606cb61378c07a65d07016e1 172.28.200.236:7000@17000 master - 0 1684291929550 18 connected 5461-10922
37a53f3fb4604aee23514144c0b9d7cb138e4f34 172.28.200.235:7000@17000 master - 0 1684291930453 16 connected 0-5460
```

Actual Output:

```
root@dc-redis-cl-03:~
[root@dc-redis-cl-03 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
bla719aa0b8016d4745650fe62938ecb6471657f 172.28.200.237:7000@17000 myself,master - 0 1684834945000 20 connected 10923-16
383
7fa59cc16bf650ffa17108f8e4eb023e8cd18be3 172.28.200.236:7001@17001 slave 37a53f3fb4604aee23514144c0b9d7cb138e4f34 0 1684
834948243 24 connected
91747e7a6715afeb606cb61378c07a65d07016e1 172.28.200.236:7000@17000 master - 0 1684834947740 18 connected 5461-10922
562668241828b5778eff4aa6ff4d5cdc4424efac 172.28.200.235:7001@17001 slave bla719aa0b8016d4745650fe62938ecb6471657f 0 1684
834949245 20 connected
bbcc283501b43990a333e5ddf01ac1466588aeb9 172.28.200.237:7001@17001 slave 91747e7a6715afeb606cb61378c07a65d07016e1 0 1684
834948243 18 connected
37a53f3fb4604aee23514144c0b9d7cb138e4f34 172.28.200.235:7000@17000 master - 0 1684834949245 24 connected 0-5460
[root@dc-redis-cl-03 ~]#
```

DRC Location

Command:

```
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
```

Actual Output:

```
root@drc-redis-cl-01:~
[root@drc-redis-cl-01 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
a17de6059c9c59ed90210e1948f036e02520ce72 172.28.100.235:7000@17000 myself,master - 0 1684834824000 12 connected 0-5460
46f204a90cec85ae435385db81d56b727b1ac84f 172.28.100.236:7000@17000 master - 0 1684834825502 10 connected 5461-10922
8bf5ae941f76c90dc83a9f91aa2bdf8a9bc2e0b3 172.28.100.235:7001@17001 slave b573d0ccf2d44e1732e7be512000cd4635985096 0 16848
34825101 3 connected
b573d0ccf2d44e1732e7be512000cd4635985096 172.28.100.237:7000@17000 master - 0 1684834823596 3 connected 10923-16383
7f566f07b7150d353178af1a0c479947271f6569 172.28.100.237:7001@17001 slave 46f204a90cec85ae435385db81d56b727b1ac84f 0 16848
34825602 10 connected
eddlc028651f175a6c81e27ac18fbf8d9f5b2514 172.28.100.236:7001@17001 slave a17de6059c9c59ed90210e1948f036e02520ce72 0 16848
34824098 12 connected
[root@drc-redis-cl-01 ~]#
```

Result:

Location	OK / NOK
DC	OK
DRC	OK

Remark:

None

FUNCTIONAL TEST

SET Command

Description:

Set key-value pair in Redis

Note:

Run commands from server2

DC Location

Command:

```
set_create.sh > set_test.txt  
redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning < set_test.txt
```

Output Sample:

```
[root@dc-redis-cl-02 ~]# redis-cli -c -p 7000 -a SomePassw0rd --no-auth-warning < set_test.txt  
[output truncated]  
...  
-> Redirected to slot [11919] located at 172.28.200.237:7000  
OK  
OK  
-> Redirected to slot [3789] located at 172.28.200.235:7000  
OK  
-> Redirected to slot [7916] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [12035] located at 172.28.200.237:7000  
OK  
OK  
OK  
OK  
-> Redirected to slot [7799] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [3670] located at 172.28.200.235:7000  
OK
```

Actual Output:

```
root@dc-redis-cl-02:~  
OK  
OK  
-> Redirected to slot [7218] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [3091] located at 172.28.200.235:7000  
OK  
-> Redirected to slot [11787] located at 172.28.200.237:7000  
OK  
OK  
-> Redirected to slot [3657] located at 172.28.200.235:7000  
OK  
-> Redirected to slot [7784] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [11919] located at 172.28.200.237:7000  
OK  
OK  
-> Redirected to slot [3789] located at 172.28.200.235:7000  
OK  
-> Redirected to slot [7916] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [12035] located at 172.28.200.237:7000  
OK  
OK  
OK  
OK  
-> Redirected to slot [7799] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [3670] located at 172.28.200.235:7000  
OK  
[root@dc-redis-cl-02 ~]#
```

Activate Windows
Go to Settings to activate Windows.

DRC Location

Command:

```
set_create.sh > set_test.txt  
redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning < set_test.txt
```

Actual Output:

```
root@drc-redis-cl-02:~  
OK  
OK  
-> Redirected to slot [7218] located at 172.28.100.236:7000  
OK  
-> Redirected to slot [3091] located at 172.28.100.235:7000  
OK  
-> Redirected to slot [11787] located at 172.28.100.237:7000  
OK  
OK  
-> Redirected to slot [3657] located at 172.28.100.235:7000  
OK  
-> Redirected to slot [7784] located at 172.28.100.236:7000  
OK  
-> Redirected to slot [11919] located at 172.28.100.237:7000  
OK  
OK  
-> Redirected to slot [3789] located at 172.28.100.235:7000  
OK  
-> Redirected to slot [7916] located at 172.28.100.236:7000  
OK  
-> Redirected to slot [12035] located at 172.28.100.237:7000  
OK  
OK  
OK  
OK  
-> Redirected to slot [7799] located at 172.28.100.236:7000  
OK  
-> Redirected to slot [3670] located at 172.28.100.235:7000  
OK  
[root@drc-redis-cl-02 ~]#
```

Activate Windows
Go to Settings to activate Windows.

Result:

Location	OK / NOK
DC	OK
DRC	OK

Remark:

None

GET Command

Description:

Get value from a key in Redis

Note:

Run commands from server2

DC Location

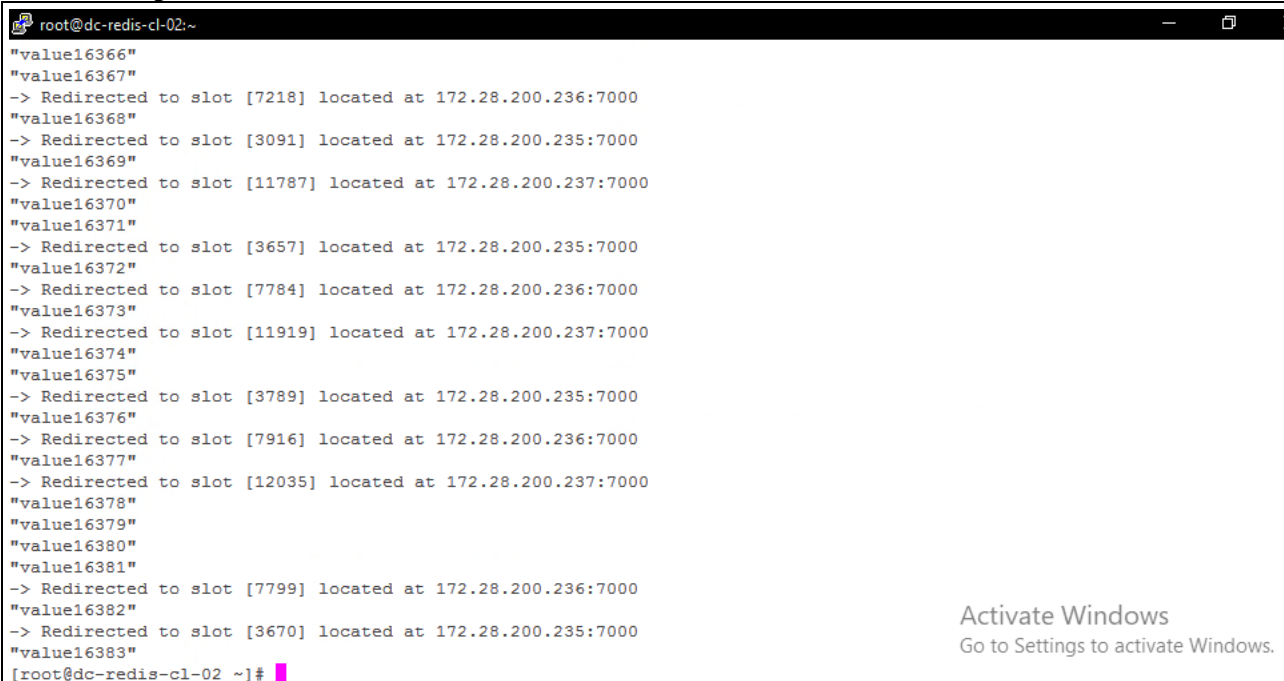
Command:

```
get_create.sh > get_test.txt  
redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning < get_test.txt
```

Output sample:

```
[root@dc-redis-cl-02 ~]# redis-cli -c -p 7000 -a SomePassw0rd --no-auth-warning < set_test.txt  
[output truncated]  
...  
-> Redirected to slot [11919] located at 172.28.200.237:7000  
"value16374"  
"value16375"  
-> Redirected to slot [3789] located at 172.28.200.235:7000  
"value16376"  
-> Redirected to slot [7916] located at 172.28.200.236:7000  
"value16377"  
-> Redirected to slot [12035] located at 172.28.200.237:7000  
"value16378"  
"value16379"  
"value16380"  
"value16381"  
-> Redirected to slot [7799] located at 172.28.200.236:7000  
"value16382"  
-> Redirected to slot [3670] located at 172.28.200.235:7000  
"value16383"
```

Actual Output:



```
root@dc-redis-cl-02:~  
"value16366"  
"value16367"  
-> Redirected to slot [7218] located at 172.28.200.236:7000  
"value16368"  
-> Redirected to slot [3091] located at 172.28.200.235:7000  
"value16369"  
-> Redirected to slot [11787] located at 172.28.200.237:7000  
"value16370"  
"value16371"  
-> Redirected to slot [3657] located at 172.28.200.235:7000  
"value16372"  
-> Redirected to slot [7784] located at 172.28.200.236:7000  
"value16373"  
-> Redirected to slot [11919] located at 172.28.200.237:7000  
"value16374"  
"value16375"  
-> Redirected to slot [3789] located at 172.28.200.235:7000  
"value16376"  
-> Redirected to slot [7916] located at 172.28.200.236:7000  
"value16377"  
-> Redirected to slot [12035] located at 172.28.200.237:7000  
"value16378"  
"value16379"  
"value16380"  
"value16381"  
-> Redirected to slot [7799] located at 172.28.200.236:7000  
"value16382"  
-> Redirected to slot [3670] located at 172.28.200.235:7000  
"value16383"  
[root@dc-redis-cl-02 ~]#
```

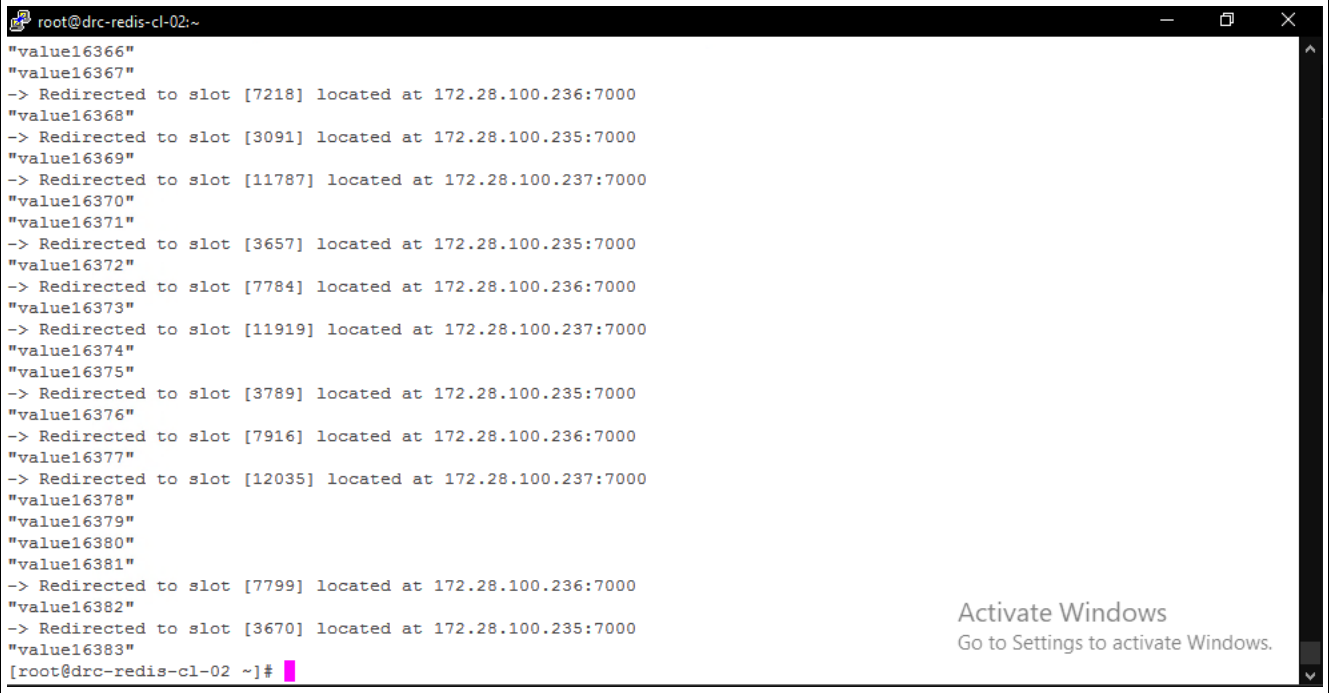
Activate Windows
Go to Settings to activate Windows.

DRC Location

Command:

```
get_create.sh > get_test.txt
redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning < get_test.txt
```

Actual Output:



Note:

Compare slot number order with previous SET output

Result:

Location	OK / NOK
DC	OK
DRC	OK

Remark:

None

HIGH AVAILABILITY (HA)

Description:

When server1 went down - node master1 and slave3 will be downed, node slave1 on server2 will take over master role from node master1.

DC Location

Stop redis-master and redis-slave service on server1 (run command as sudo user)

Command:

```
systemctl stop redis-master
systemctl stop redis-slave
```

From server2 check cluster information and nodes

Command:

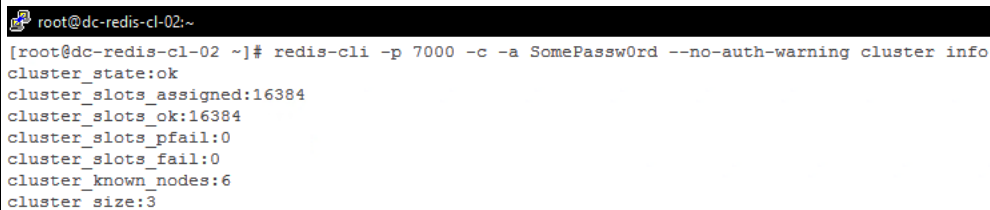
```
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
```

Sample Output:

```
[root@dc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
cluster_state:ok
cluster_slots_assigned:16384
cluster_slots_ok:16384
cluster_slots_pfail:0
cluster_slots_fail:0
...
[output truncated]

[root@dc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
7fa59cc16bf650ffaf17108f8e4eb023e8cd18be3 172.28.200.236:7001@17001 master - 0 1684305103431 23 connected 0-5460
562668241828b5778eff4aa6ff4d5cdc4424efac 172.28.200.235:7001@17001 slave,fail
b1a719aa0b8016d4745650fe62938ecb6471657f 1684305050227 1684305048219 20 disconnected
37a53f3fb4604aee23514144c0b9d7cb138e4f34 172.28.200.235:7000@17000 master,fail - 1684305047716 1684305045207 22
disconnected
b1a719aa0b8016d4745650fe62938ecb6471657f 172.28.200.237:7000@17000 master - 0 1684305103000 20 connected 10923-16383
91747e7a6715afeb606cb61378c07a65d07016e1 172.28.200.236:7000@17000 myself,master - 0 1684305102000 18 connected 5461-
10922
bbcc283501b43990a333e5ddf01ac1466588aeb9 172.28.200.237:7001@17001 slave 91747e7a6715afeb606cb61378c07a65d07016e1 0
1684305104435 18 connected
```

Actual Output:



```
root@dc-redis-cl-02:~
[root@dc-redis-cl-02 ~]# redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning cluster info
cluster_state:ok
cluster_slots_assigned:16384
cluster_slots_ok:16384
cluster_slots_pfail:0
cluster_slots_fail:0
cluster_known_nodes:6
cluster_size:3
```



```
root@dc-redis-cl-02:~  
[root@dc-redis-cl-02 ~]# redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning cluster nodes  
7fa59cc16bf650ffa17108f8e4eb023e8cd18be3 172.28.200.236:7001@17001 master - 0 1684835819402 25 connected 0-5460  
562668241828b5778eff4aa6ff4d5cdc4424efac 172.28.200.235:7001@17001 slave,fail b1a719aa0b8016d4745650fe62938ecb6471657f 1  
684835754545 1684835752000 20 disconnected  
37a53f3fb4604aee23514144c0b9d7cb138e4f34 172.28.200.235:7000@17000 master,fail - 1684835750530 1684835748000 24 disconne  
cted  
b1a719aa0b8016d4745650fe62938ecb6471657f 172.28.200.237:7000@17000 master - 0 1684835820909 20 connected 10923-16383  
91747e7a6715afeb606cb61378c07a65d07016e1 172.28.200.236:7000@17000 myself,master - 0 1684835819000 18 connected 5461-109  
22  
bbcc283501b43990a333e5ddf01ac1466588aeb9 172.28.200.237:7001@17001 slave 91747e7a6715afeb606cb61378c07a65d07016e1 0 1684  
835820406 18 connected  
[root@dc-redis-cl-02 ~]#
```

SET and GET all slots when server1 status is down

Note:

Must be able to set and get all slots with one server down (server1)

From server2

Command:

```
redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning < set_test.txt  
redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning < get_test.txt
```

Sample output:

```
[root@dc-redis-cl-02 ~]# redis-cli -c -p 7000 -a SomePassw0rd --no-auth-warning < set_test.txt  
[output truncated]  
...  
-> Redirected to slot [11919] located at 172.28.200.237:7000  
OK  
OK  
-> Redirected to slot [3789] located at 172.28.200.236:7001  
OK  
-> Redirected to slot [7916] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [12035] located at 172.28.200.237:7000  
OK  
OK  
OK  
OK  
-> Redirected to slot [7799] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [3670] located at 172.28.200.236:7001  
OK  
  
[root@dc-redis-cl-02 ~]# redis-cli -c -p 7000 -a SomePassw0rd --no-auth-warning < get_test.txt  
[output truncated]  
...  
-> Redirected to slot [11919] located at 172.28.200.237:7000  
"value16374"  
"value16375"  
-> Redirected to slot [3789] located at 172.28.200.236:7001  
"value16376"  
-> Redirected to slot [7916] located at 172.28.200.236:7000  
"value16377"  
-> Redirected to slot [12035] located at 172.28.200.237:7000  
"value16378"  
"value16379"  
"value16380"  
"value16381"  
-> Redirected to slot [7799] located at 172.28.200.236:7000  
"value16382"  
-> Redirected to slot [3670] located at 172.28.200.236:7001  
"value16383"
```

Actual Output:

```
root@dc-redis-cl-02:~  
OK  
OK  
-> Redirected to slot [7218] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [3091] located at 172.28.200.235:7000  
OK  
-> Redirected to slot [11787] located at 172.28.200.237:7000  
OK  
OK  
-> Redirected to slot [3657] located at 172.28.200.235:7000  
OK  
-> Redirected to slot [7784] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [11919] located at 172.28.200.237:7000  
OK  
OK  
-> Redirected to slot [3789] located at 172.28.200.235:7000  
OK  
-> Redirected to slot [7916] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [12035] located at 172.28.200.237:7000  
OK  
OK  
OK  
OK  
-> Redirected to slot [7799] located at 172.28.200.236:7000  
OK  
-> Redirected to slot [3670] located at 172.28.200.235:7000  
OK  
[root@dc-redis-cl-02 ~]#  
  
root@dc-redis-cl-02:~  
"value16366"  
"value16367"  
-> Redirected to slot [7218] located at 172.28.200.236:7000  
"value16368"  
-> Redirected to slot [3091] located at 172.28.200.235:7000  
"value16369"  
-> Redirected to slot [11787] located at 172.28.200.237:7000  
"value16370"  
"value16371"  
-> Redirected to slot [3657] located at 172.28.200.235:7000  
"value16372"  
-> Redirected to slot [7784] located at 172.28.200.236:7000  
"value16373"  
-> Redirected to slot [11919] located at 172.28.200.237:7000  
"value16374"  
"value16375"  
-> Redirected to slot [3789] located at 172.28.200.235:7000  
"value16376"  
-> Redirected to slot [7916] located at 172.28.200.236:7000  
"value16377"  
-> Redirected to slot [12035] located at 172.28.200.237:7000  
"value16378"  
"value16379"  
"value16380"  
"value16381"  
-> Redirected to slot [7799] located at 172.28.200.236:7000  
"value16382"  
-> Redirected to slot [3670] located at 172.28.200.235:7000  
"value16383"  
[root@dc-redis-cl-02 ~]#
```

DRC Location

Stop redis-master and redis-slave service on server1 (run command as sudo user)

Command:

```
systemctl stop redis-master  
systemctl stop redis-slave
```

From server2 check cluster information and nodes

Command:

```
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
```

Actual Output:



```
root@drc-redis-cl-02:~
[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning cluster info
cluster_state:ok
cluster_slots_assigned:16384
cluster_slots_ok:16384
cluster_slots_pfail:0
cluster_slots_fail:0
cluster_known_nodes:6
cluster_size:3

root@drc-redis-cl-02:~
[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning cluster nodes
b573d0ccf2d44e1732e7be512000cd4635985096 172.28.100.237:7000@17000 master - 0 1684836049468 3 connected 10923-16383
7f566f07b7150d353178af1a0c479947271f6569 172.28.100.237:7001@17001 slave 46f204a90cec85ae435385db81d56b727b1ac84f 0 16848
36050000 10 connected
a17de6059c9c59ed90210e1948f036e02520ce72 172.28.100.235:7000@17000 master,fail - 1684836033505 1684836031000 12 disconnec
ted
8bf5ae941f76c90dc83a9f91aa2bdf8a9bc2e0b3 172.28.100.235:7001@17001 slave,fail b573d0ccf2d44e1732e7be512000cd4635985096 16
84836033505 1684836031000 3 disconnected
edd1c028651f175a6c81e27ac18fbf8d9f5b2514 172.28.100.236:7001@17001 master - 0 1684836050471 13 connected 0-5460
46f204a90cec85ae435385db81d56b727b1ac84f 172.28.100.236:7000@17000 myself,master - 0 1684836050000 10 connected 5461-1092
2
[root@drc-redis-cl-02 ~]#
```

SET and GET all slots when server1 status is down

Note:

Must be able to set and get all slots with one server down (server1)

From server2

Command:

```
redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning < set_test.txt
redis-cli -p 7000 -c -a SomePassw0rd --no-auth-warning < get_test.txt
```

Actual Output:

```
root@dc-redis-cl-02:~
"value16366"
"value16367"
-> Redirected to slot [7218] located at 172.28.200.236:7000
"value16368"
-> Redirected to slot [3091] located at 172.28.200.235:7000
"value16369"
-> Redirected to slot [11787] located at 172.28.200.237:7000
"value16370"
"value16371"
-> Redirected to slot [3657] located at 172.28.200.235:7000
"value16372"
-> Redirected to slot [7784] located at 172.28.200.236:7000
"value16373"
-> Redirected to slot [11919] located at 172.28.200.237:7000
"value16374"
"value16375"
-> Redirected to slot [3789] located at 172.28.200.235:7000
"value16376"
-> Redirected to slot [7916] located at 172.28.200.236:7000
"value16377"
-> Redirected to slot [12035] located at 172.28.200.237:7000
"value16378"
"value16379"
"value16380"
"value16381"
-> Redirected to slot [7799] located at 172.28.200.236:7000
"value16382"
-> Redirected to slot [3670] located at 172.28.200.235:7000
"value16383"
[root@dc-redis-cl-02 ~]#
```

Activate Windows
Go to Settings to activate Windows.

```
root@drc-redis-cl-02:~
"value16366"
"value16367"
-> Redirected to slot [7218] located at 172.28.100.236:7000
"value16368"
-> Redirected to slot [3091] located at 172.28.100.235:7000
"value16369"
-> Redirected to slot [11787] located at 172.28.100.237:7000
"value16370"
"value16371"
-> Redirected to slot [3657] located at 172.28.100.235:7000
"value16372"
-> Redirected to slot [7784] located at 172.28.100.236:7000
"value16373"
-> Redirected to slot [11919] located at 172.28.100.237:7000
"value16374"
"value16375"
-> Redirected to slot [3789] located at 172.28.100.235:7000
"value16376"
-> Redirected to slot [7916] located at 172.28.100.236:7000
"value16377"
-> Redirected to slot [12035] located at 172.28.100.237:7000
"value16378"
"value16379"
"value16380"
"value16381"
-> Redirected to slot [7799] located at 172.28.100.236:7000
"value16382"
-> Redirected to slot [3670] located at 172.28.100.235:7000
"value16383"
[root@drc-redis-cl-02 ~]#
```

Activate Windows
Go to Settings to activate Windows.

Result:

Location	OK / NOK
DC	OK
DRC	OK

Remark:

None

LOG ROTATION

Description:

Check configuration of logrotate, log files shall be rotated every day and will be kept for 28 days

DC Location

Notes:

Check on all servers

Command:

```
cat /etc/logrotate.conf
crontab -e
ls -l /opt/redis/log
```

Sample output:

```
[root@dc-redis-cl-02 ~]# cat /etc/logrotate.conf
[output truncated]
...
/opt/redis/log/master.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

/opt/redis/log/slave.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

/opt/redis/log/recycle.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

[root@dc-redis-cl-02 ~]# crontab -e
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf

[root@dc-redis-cl-01 ~]# ls -l /opt/redis/log
total 2396
-rw-rw----. 1 redis redis      0 May 19 00:00 master.log
-rw-rw----. 1 redis redis 362840 May 12 00:00 master.log-20230512.gz
-rw-rw----. 1 redis redis  98878 May 12 23:59 master.log-20230513.gz
-rw-rw----. 1 redis redis 100167 May 13 23:59 master.log-20230514.gz
-rw-rw----. 1 redis redis  99613 May 14 23:59 master.log-20230515.gz
-rw-rw----. 1 redis redis 100542 May 16 00:00 master.log-20230516.gz
-rw-rw----. 1 redis redis 100395 May 16 23:59 master.log-20230517.gz
-rw-rw----. 1 redis redis 656834 May 17 13:30 master.log-20230518.gz
-rw-rw----. 1 redis redis    20 May 18 00:00 master.log-20230519.gz
-rw-rw----. 1 redis redis 11651 May 19 15:15 recycle.log
-rw-rw----. 1 root root    1552 May 12 00:00 recycle.log-20230512.gz
-rw-rw----. 1 redis redis   979 May 13 00:00 recycle.log-20230513.gz
-rw-rw----. 1 redis redis   978 May 14 00:00 recycle.log-20230514.gz
-rw-rw----. 1 redis redis   986 May 15 00:00 recycle.log-20230515.gz
-rw-rw----. 1 redis redis   971 May 16 00:00 recycle.log-20230516.gz
-rw-rw----. 1 redis redis   984 May 17 00:00 recycle.log-20230517.gz
-rw-rw----. 1 redis redis  1028 May 18 00:00 recycle.log-20230518.gz
-rw-rw----. 1 redis redis  1009 May 19 00:00 recycle.log-20230519.gz
-rw-rw----. 1 redis redis      0 May 19 00:00 slave.log
-rw-rw----. 1 redis redis 267838 May 11 23:59 slave.log-20230512.gz
-rw-rw----. 1 redis redis 102920 May 12 23:59 slave.log-20230513.gz
-rw-rw----. 1 redis redis 102581 May 13 23:59 slave.log-20230514.gz
-rw-rw----. 1 redis redis 102702 May 14 23:59 slave.log-20230515.gz
-rw-rw----. 1 redis redis 102728 May 15 23:59 slave.log-20230516.gz
```

```
-rw-rw----. 1 redis redis 102292 May 17 00:00 slave.log-20230517.gz
-rw-rw----. 1 redis redis 62648 May 17 13:30 slave.log-20230518.gz
-rw-rw----. 1 redis redis      0 May 18 00:00 slave.log-20230519.gz
```

Actual Output:

```
root@dc-redis-cl-01:~
# RPM packages drop log rotation information into this directory
include /etc/logrotate.d

# system-specific logs may be also be configured here.

/opt/redis/log/master.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

/opt/redis/log/slave.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

/opt/redis/log/recycle.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}
[root@dc-redis-cl-01 ~]#
```

```
root@dc-redis-cl-01:~
*/15 * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf
```

```
root@dc-redis-cl-01:~
[root@dc-redis-cl-01 ~]# ls /opt/redis/log/
master.log          master.log-20230520.gz  recycle.log-20230514.gz  recycle.log-20230523.gz  slave.log-20230517.gz
master.log-20230512.gz  master.log-20230521.gz  recycle.log-20230515.gz  recycle.log-20230524.gz  slave.log-20230518.gz
master.log-20230513.gz  master.log-20230522.gz  recycle.log-20230516.gz  recycle.log-20230525.gz  slave.log-20230519.gz
master.log-20230514.gz  master.log-20230523.gz  recycle.log-20230517.gz  slave.log                slave.log-20230520.gz
master.log-20230515.gz  master.log-20230524.gz  recycle.log-20230518.gz  slave.log-20230512.gz   slave.log-20230521.gz
master.log-20230516.gz  master.log-20230525.gz  recycle.log-20230519.gz  slave.log-20230513.gz   slave.log-20230522.gz
master.log-20230517.gz  recycle.log              recycle.log-20230520.gz  slave.log-20230514.gz   slave.log-20230523.gz
master.log-20230518.gz  recycle.log-20230512.gz  recycle.log-20230521.gz  slave.log-20230515.gz   slave.log-20230524.gz
master.log-20230519.gz  recycle.log-20230513.gz  recycle.log-20230522.gz  slave.log-20230516.gz   slave.log-20230525.gz
[root@dc-redis-cl-01 ~]#
```

```

root@dc-redis-cl-02:~
# RPM packages drop log rotation information into this directory
include /etc/logrotate.d

# system-specific logs may be also be configured here.

/opt/redis/log/master.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

/opt/redis/log/slave.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

/opt/redis/log/recycle.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

[root@dc-redis-cl-02 ~]#

```

```

root@dc-redis-cl-02:~
15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log
* 0 * * * * /usr/sbin/logrotate /etc/logrotate.conf

```

```

root@dc-redis-cl-02:~
[root@dc-redis-cl-02 ~]# ls /opt/redis/log/
master.log          master.log-20230520.gz  recycle.log-20230514.gz  recycle.log-20230523.gz  slave.log-20230517.gz
master.log-20230512.gz  master.log-20230521.gz  recycle.log-20230515.gz  recycle.log-20230524.gz  slave.log-20230518.gz
master.log-20230513.gz  master.log-20230522.gz  recycle.log-20230516.gz  recycle.log-20230525.gz  slave.log-20230519.gz
master.log-20230514.gz  master.log-20230523.gz  recycle.log-20230517.gz  slave.log                slave.log-20230520.gz
master.log-20230515.gz  master.log-20230524.gz  recycle.log-20230518.gz  slave.log-20230512.gz    slave.log-20230521.gz
master.log-20230516.gz  master.log-20230525.gz  recycle.log-20230519.gz  slave.log-20230513.gz    slave.log-20230522.gz
master.log-20230517.gz  recycle.log              recycle.log-20230520.gz  slave.log-20230514.gz    slave.log-20230523.gz
master.log-20230518.gz  recycle.log-20230512.gz  recycle.log-20230521.gz  slave.log-20230515.gz    slave.log-20230524.gz
master.log-20230519.gz  recycle.log-20230513.gz  recycle.log-20230522.gz  slave.log-20230516.gz    slave.log-20230525.gz
[root@dc-redis-cl-02 ~]#

```

```

root@dc-redis-cl-03:~
# RPM packages drop log rotation information into this directory
include /etc/logrotate.d

# system-specific logs may be also be configured here.

/opt/redis/log/master.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

/opt/redis/log/slave.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

/opt/redis/log/recycle.log {
    daily
    missingok
    rotate 28
    compress
    create 0660 redis redis
}

[root@dc-redis-cl-03 ~]#

```



```
root@dc-redis-cl-03:~  
/15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log  
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf  
  
root@dc-redis-cl-03:~  
[root@dc-redis-cl-03 ~]# ls /opt/redis/log/  
master.log master.log-20230520.gz recycle.log-20230514.gz recycle.log-20230523.gz slave.log-20230517.gz  
master.log-20230512.gz master.log-20230521.gz recycle.log-20230515.gz recycle.log-20230524.gz slave.log-20230518.gz  
master.log-20230513.gz master.log-20230522.gz recycle.log-20230516.gz recycle.log-20230525.gz slave.log-20230519.gz  
master.log-20230514.gz master.log-20230523.gz recycle.log-20230517.gz slave.log slave.log-20230520.gz  
master.log-20230515.gz master.log-20230524.gz recycle.log-20230518.gz slave.log-20230512.gz slave.log-20230521.gz  
master.log-20230516.gz master.log-20230525.gz recycle.log-20230519.gz slave.log-20230513.gz slave.log-20230522.gz  
master.log-20230517.gz recycle.log recycle.log-20230520.gz slave.log-20230514.gz slave.log-20230523.gz  
master.log-20230518.gz recycle.log-20230512.gz recycle.log-20230521.gz slave.log-20230515.gz slave.log-20230524.gz  
master.log-20230519.gz recycle.log-20230513.gz recycle.log-20230522.gz slave.log-20230516.gz slave.log-20230525.gz  
[root@dc-redis-cl-03 ~]#
```

DRC Location

Notes:

Check on all servers

Command:

```
cat /etc/logrotate.conf  
crontab -e  
ls -l /opt/redis/log
```

Actual Output:

```
root@drc-redis-cl-01:~  
# RPM packages drop log rotation information into this directory  
include /etc/logrotate.d  
  
# system-specific logs may be also be configured here.  
  
/opt/redis/log/master.log {  
    daily  
    missingok  
    rotate 28  
    compress  
    create 0660 redis redis  
}  
  
/opt/redis/log/slave.log {  
    daily  
    missingok  
    rotate 28  
    compress  
    create 0660 redis redis  
}  
  
/opt/redis/log/recycle.log {  
    daily  
    missingok  
    rotate 28  
    compress  
    create 0660 redis redis  
}  
[root@drc-redis-cl-01 ~]#  
  
root@drc-redis-cl-01:~  
/15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log  
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf
```

```
root@drc-redis-cl-01:~  
[root@drc-redis-cl-01 ~]# ls /opt/redis/log/  
master.log master.log-20230520.gz recycle.log-20230514.gz recycle.log-20230523.gz slave.log-20230517.gz  
master.log-20230512.gz master.log-20230521.gz recycle.log-20230515.gz recycle.log-20230524.gz slave.log-20230518.gz  
master.log-20230513.gz master.log-20230522.gz recycle.log-20230516.gz recycle.log-20230525.gz slave.log-20230519.gz  
master.log-20230514.gz master.log-20230523.gz recycle.log-20230517.gz slave.log slave.log-20230520.gz  
master.log-20230515.gz master.log-20230524.gz recycle.log-20230518.gz slave.log-20230512.gz slave.log-20230521.gz  
master.log-20230516.gz master.log-20230525.gz recycle.log-20230519.gz slave.log-20230513.gz slave.log-20230522.gz  
master.log-20230517.gz recycle.log recycle.log-20230520.gz slave.log-20230514.gz slave.log-20230523.gz  
master.log-20230518.gz recycle.log-20230512.gz recycle.log-20230521.gz slave.log-20230515.gz slave.log-20230524.gz  
master.log-20230519.gz recycle.log-20230513.gz recycle.log-20230522.gz slave.log-20230516.gz slave.log-20230525.gz  
[root@drc-redis-cl-01 ~]#
```

```
root@drc-redis-cl-02:~  
# RPM packages drop log rotation information into this directory  
include /etc/logrotate.d  
  
# system-specific logs may be also be configured here.  
  
/opt/redis/log/master.log {  
    daily  
    missingok  
    rotate 28  
    compress  
    create 0660 redis redis  
}  
  
/opt/redis/log/slave.log {  
    daily  
    missingok  
    rotate 28  
    compress  
    create 0660 redis redis  
}  
  
/opt/redis/log/recycle.log {  
    daily  
    missingok  
    rotate 28  
    compress  
    create 0660 redis redis  
}  
[root@drc-redis-cl-02 ~]#
```

```
root@drc-redis-cl-02:~  
# /15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log  
# 0 * * * * /usr/sbin/logrotate /etc/logrotate.conf
```

```
root@drc-redis-cl-02:~  
[root@drc-redis-cl-02 ~]# ls /opt/redis/log/  
master.log master.log-20230520.gz recycle.log-20230514.gz recycle.log-20230523.gz slave.log-20230517.gz  
master.log-20230512.gz master.log-20230521.gz recycle.log-20230515.gz recycle.log-20230524.gz slave.log-20230518.gz  
master.log-20230513.gz master.log-20230522.gz recycle.log-20230516.gz recycle.log-20230525.gz slave.log-20230519.gz  
master.log-20230514.gz master.log-20230523.gz recycle.log-20230517.gz slave.log slave.log-20230520.gz  
master.log-20230515.gz master.log-20230524.gz recycle.log-20230518.gz slave.log-20230512.gz slave.log-20230521.gz  
master.log-20230516.gz master.log-20230525.gz recycle.log-20230519.gz slave.log-20230513.gz slave.log-20230522.gz  
master.log-20230517.gz recycle.log recycle.log-20230520.gz slave.log-20230514.gz slave.log-20230523.gz  
master.log-20230518.gz recycle.log-20230512.gz recycle.log-20230521.gz slave.log-20230515.gz slave.log-20230524.gz  
master.log-20230519.gz recycle.log-20230513.gz recycle.log-20230522.gz slave.log-20230516.gz slave.log-20230525.gz  
[root@drc-redis-cl-02 ~]#
```

```
root@drc-redis-cl-03:~  
# RPM packages drop log rotation information into this directory  
include /etc/logrotate.d  
  
# system-specific logs may be also be configured here.  
  
/opt/redis/log/master.log {  
    daily  
    missingok  
    rotate 28  
    compress  
    create 0660 redis redis  
}  
  
/opt/redis/log/slave.log {  
    daily  
    missingok  
    rotate 28  
    compress  
    create 0660 redis redis  
}  
  
/opt/redis/log/recycle.log {  
    daily  
    missingok  
    rotate 28  
    compress  
    create 0660 redis redis  
}  
[root@drc-redis-cl-03 ~]#  
  
root@drc-redis-cl-03:~  
15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log  
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf  
  
root@drc-redis-cl-03:~  
[root@drc-redis-cl-03 ~]# ls /opt/redis/log/  
master.log          master.log-20230520.gz  recycle.log-20230514.gz  recycle.log-20230523.gz  slave.log-20230517.gz  
master.log-20230512.gz  master.log-20230521.gz  recycle.log-20230515.gz  recycle.log-20230524.gz  slave.log-20230518.gz  
master.log-20230513.gz  master.log-20230522.gz  recycle.log-20230516.gz  recycle.log-20230525.gz  slave.log-20230519.gz  
master.log-20230514.gz  master.log-20230523.gz  recycle.log-20230517.gz  slave.log                slave.log-20230520.gz  
master.log-20230515.gz  master.log-20230524.gz  recycle.log-20230518.gz  slave.log-20230512.gz   slave.log-20230521.gz  
master.log-20230516.gz  master.log-20230525.gz  recycle.log-20230519.gz  slave.log-20230513.gz   slave.log-20230522.gz  
master.log-20230517.gz  recycle.log              recycle.log-20230520.gz  slave.log-20230514.gz   slave.log-20230523.gz  
master.log-20230518.gz  recycle.log-20230512.gz  recycle.log-20230521.gz  slave.log-20230515.gz   slave.log-20230524.gz  
master.log-20230519.gz  recycle.log-20230513.gz  recycle.log-20230522.gz  slave.log-20230516.gz   slave.log-20230525.gz  
[root@drc-redis-cl-03 ~]#
```

Result:

Location	Server Name	OK / NOK
DC	dc-redis-cl-01	OK
	dc-redis-cl-02	OK
	dc-redis-cl-03	OK
DRC	drc-redis-cl-01	OK
	drc-redis-cl-02	OK
	drc-redis-cl-03	OK

Remark:

None

RECYCLE SCRIPT

Description:

Script recycle.sh will check current role of slave node every 15 minutes. If current role is master, script will check status its master. If its master is up with role of slave, this script will flip the role between them.

DC Location

Reboot server1

Command:

```
reboot
```

From server2 check cluster information and nodes

Command:

```
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
```

Sample output:

```
[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
cluster_state:ok
cluster_slots_assigned:16384
cluster_slots_ok:16384
cluster_slots_pfail:0
cluster_slots_fail:0
cluster_known_nodes:6
cluster_size:3
...
[output truncated]

[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
b573d0ccf2d44e1732e7be512000cd4635985096 172.28.100.237:7000@17000 master - 0 1684484626000 3 connected 10923-16383
7f566f07b7150d353178af1a0c479947271f6569 172.28.100.237:7001@17001 slave 46f204a90cec85ae435385db81d56b727blac84f 0
1684484627000 10 connected
a17de6059c9c59ed90210e1948f036e02520ce72 172.28.100.235:7000@17000 master,fail - 1684484546657 1684484545000 8
connected
8bf5ae941f76c90dc83a9f91aa2bdf8a9bc2e0b3 172.28.100.235:7001@17001 slave,fail
b573d0ccf2d44e1732e7be512000cd4635985096 1684484547661 1684484546000 3 connected
eddlc028651f175a6c81e27ac18fbf8d9f5b2514 172.28.100.236:7001@17001 master - 0 1684484627885 11 connected 0-5460
46f204a90cec85ae435385db81d56b727blac84f 172.28.100.236:7000@17000 myself,master - 0 1684484626000 10 connected 5461-
10922

[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
b573d0ccf2d44e1732e7be512000cd4635985096 172.28.100.237:7000@17000 master - 0 1684484690060 3 connected 10923-16383
7f566f07b7150d353178af1a0c479947271f6569 172.28.100.237:7001@17001 slave 46f204a90cec85ae435385db81d56b727blac84f 0
1684484689056 10 connected
a17de6059c9c59ed90210e1948f036e02520ce72 172.28.100.235:7000@17000 slave eddlc028651f175a6c81e27ac18fbf8d9f5b2514 0
1684484690000 11 connected
8bf5ae941f76c90dc83a9f91aa2bdf8a9bc2e0b3 172.28.100.235:7001@17001 slave b573d0ccf2d44e1732e7be512000cd4635985096 0
1684484691063 3 connected
eddlc028651f175a6c81e27ac18fbf8d9f5b2514 172.28.100.236:7001@17001 master - 0 1684484690000 11 connected 0-5460
46f204a90cec85ae435385db81d56b727blac84f 172.28.100.236:7000@17000 myself,master - 0 1684484689000 10 connected 5461-
10922

[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
b573d0ccf2d44e1732e7be512000cd4635985096 172.28.100.237:7000@17000 master - 0 1684485040053 3 connected 10923-16383
7f566f07b7150d353178af1a0c479947271f6569 172.28.100.237:7001@17001 slave 46f204a90cec85ae435385db81d56b727blac84f 0
1684485039000 10 connected
a17de6059c9c59ed90210e1948f036e02520ce72 172.28.100.235:7000@17000 master - 0 1684485041056 12 connected 0-5460
8bf5ae941f76c90dc83a9f91aa2bdf8a9bc2e0b3 172.28.100.235:7001@17001 slave b573d0ccf2d44e1732e7be512000cd4635985096 0
1684485039050 3 connected
eddlc028651f175a6c81e27ac18fbf8d9f5b2514 172.28.100.236:7001@17001 slave a17de6059c9c59ed90210e1948f036e02520ce72 0
1684485040000 12 connected
46f204a90cec85ae435385db81d56b727blac84f 172.28.100.236:7000@17000 myself,master - 0 1684485040000 10 connected 5461-
10922
```

Actual Output:

```
root@dc-redis-cl-02:~  
[root@dc-redis-cl-01 ~]# date  
Thu May 25 14:32:00 WIB 2023  
[root@dc-redis-cl-01 ~]# reboot  
Connection to 172.28.200.235 closed by remote host.  
Connection to 172.28.200.235 closed.  
[root@dc-redis-cl-02 ~]#  
  
root@dc-redis-cl-02:~  
[root@dc-redis-cl-02 ~]# date  
Thu May 25 14:32:36 WIB 2023  
[root@dc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info  
cluster_state:ok  
cluster_slots_assigned:16384  
cluster_slots_ok:16384  
cluster_slots_pfail:0  
cluster_slots_fail:0  
cluster_known_nodes:6  
cluster_size:3  
  
root@dc-redis-cl-02:~  
[root@dc-redis-cl-02 ~]# date  
Thu May 25 14:32:52 WIB 2023  
[root@dc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes  
7fa59cc16bf650ffa17108f8e4eb023e8cd18be3 172.28.200.236:7001@17001 master - 0 1684999977034 29 connected 0-5460  
562668241828b5778eff4aa6ff4d5cdc4424efac 172.28.200.235:7001@17001 slave,fail b1a719aa0b8016d4745650fe62938ecb6471657f 16  
84999939935 1684999938528 20 connected  
37a53f3fb4604aee23514144c0b9d7cb138e4f34 172.28.200.235:7000@17000 master,fail - 1684999940537 1684999938000 28 connected  
b1a719aa0b8016d4745650fe62938ecb6471657f 172.28.200.237:7000@17000 master - 0 1684999976032 20 connected 10923-16383  
91747e7a6715afeb606cb61378c07a65d07016e1 172.28.200.236:7000@17000 myself,master - 0 1684999975000 18 connected 5461-1092  
2  
bbcc283501b43990a333e5ddf01ac1466588aeb9 172.28.200.237:7001@17001 slave 91747e7a6715afeb606cb61378c07a65d07016e1 0 16849  
99976533 18 connected  
[root@dc-redis-cl-02 ~]#  
  
root@dc-redis-cl-02:~  
[root@dc-redis-cl-02 ~]# date  
Thu May 25 14:35:03 WIB 2023  
[root@dc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes  
7fa59cc16bf650ffa17108f8e4eb023e8cd18be3 172.28.200.236:7001@17001 master - 0 1685000103406 29 connected 0-5460  
562668241828b5778eff4aa6ff4d5cdc4424efac 172.28.200.235:7001@17001 slave b1a719aa0b8016d4745650fe62938ecb6471657f 0 16850  
00103406 20 connected  
37a53f3fb4604aee23514144c0b9d7cb138e4f34 172.28.200.235:7000@17000 slave 7fa59cc16bf650ffa17108f8e4eb023e8cd18be3 0 16850  
00103907 29 connected  
b1a719aa0b8016d4745650fe62938ecb6471657f 172.28.200.237:7000@17000 master - 0 1685000104609 20 connected 10923-16383  
91747e7a6715afeb606cb61378c07a65d07016e1 172.28.200.236:7000@17000 myself,master - 0 1685000103000 18 connected 5461-1092  
2  
bbcc283501b43990a333e5ddf01ac1466588aeb9 172.28.200.237:7001@17001 slave 91747e7a6715afeb606cb61378c07a65d07016e1 0 16850  
00104408 18 connected  
[root@dc-redis-cl-02 ~]#  
  
root@dc-redis-cl-02:~  
[root@dc-redis-cl-02 ~]# date  
Thu May 25 14:45:47 WIB 2023  
[root@dc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes  
7fa59cc16bf650ffa17108f8e4eb023e8cd18be3 172.28.200.236:7001@17001 slave 37a53f3fb4604aee23514144c0b9d7cb138e4f34 0 16850  
00753800 30 connected  
562668241828b5778eff4aa6ff4d5cdc4424efac 172.28.200.235:7001@17001 slave b1a719aa0b8016d4745650fe62938ecb6471657f 0 16850  
00753098 20 connected  
37a53f3fb4604aee23514144c0b9d7cb138e4f34 172.28.200.235:7000@17000 master - 0 1685000752796 30 connected 0-5460  
b1a719aa0b8016d4745650fe62938ecb6471657f 172.28.200.237:7000@17000 master - 0 1685000753000 20 connected 10923-16383  
91747e7a6715afeb606cb61378c07a65d07016e1 172.28.200.236:7000@17000 myself,master - 0 1685000753000 18 connected 5461-1092  
2  
bbcc283501b43990a333e5ddf01ac1466588aeb9 172.28.200.237:7001@17001 slave 91747e7a6715afeb606cb61378c07a65d07016e1 0 16850  
00753298 18 connected  
[root@dc-redis-cl-02 ~]#
```

Check script configuration

Command:

```
cat /opt/redis/script/recycle.sh  
crontab -e
```

Sample Output:

```
[root@dc-redis-cl-02 ~]# cat /opt/redis/script/recycle.sh
#!/bin/bash
host_ip=172.28.200.236
master_port=7000
slave_port=7001
master_service_name=redis-master
slave_service_name=redis-slave
my_master_ip=172.28.200.235
my_master_port=7000
master_auth=SomePassw0rd
...
[output truncated]

[root@dc-redis-cl-02 ~]# crontab -e
*/15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log
```

Actual Output:



```
root@dc-redis-cl-01:~
#!/bin/bash
host_ip=172.28.200.235
master_port=7000
slave_port=7001
master_service_name=redis-master
slave_service_name=redis-slave
my_master_ip=172.28.200.237
my_master_port=7000
master_auth=SomePassw0rd

root@dc-redis-cl-01:~
*/15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf

root@dc-redis-cl-02:~
#!/bin/bash
host_ip=172.28.200.236
master_port=7000
slave_port=7001
master_service_name=redis-master
slave_service_name=redis-slave
my_master_ip=172.28.200.235
my_master_port=7000
master_auth=SomePassw0rd

root@dc-redis-cl-02:~
*/15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf

root@dc-redis-cl-03:~
#!/bin/bash
host_ip=172.28.200.237
master_port=7000
slave_port=7001
master_service_name=redis-master
slave_service_name=redis-slave
my_master_ip=172.28.200.236
my_master_port=7000
master_auth=SomePassw0rd

root@dc-redis-cl-03:~
*/15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf
```

DRC Location

Reboot server1

Command:

```
reboot
```


From server2 check cluster information and nodes

Command:

```
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
```

Actual Output:

```
root@drc-redis-cl-02:~
[root@drc-redis-cl-01 ~]# date
Thu May 25 14:50:47 WIB 2023
[root@drc-redis-cl-01 ~]# reboot
Connection to 172.28.100.235 closed by remote host.
Connection to 172.28.100.235 closed.
[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster info
cluster_state:ok
cluster_slots_assigned:16384
cluster_slots_ok:16384
cluster_slots_pfail:0
cluster_slots_fail:0
cluster_known_nodes:6
cluster_size:3

root@drc-redis-cl-02:~
[root@drc-redis-cl-02 ~]# date
Thu May 25 14:51:20 WIB 2023
[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
b573d0ccf2d44e1732e7be512000cd4635985096 172.28.100.237:7000@17000 master - 0 1685001083150 3 connected 10923-16383
7f566f07b7150d353178af1a0c479947271f6569 172.28.100.237:7001@17001 slave 46f204a90cec85ae435385db81d56b727b1ac84f 0 16850
01085155 10 connected
a17de6059c9c59ed90210e1948f036e02520ce72 172.28.100.235:7000@17000 master,fail - 1685001050064 1685001047556 14 connected
8bf5ae941f76c90dc83a9f91aa2bdf8a9bc2e0b3 172.28.100.235:7001@17001 slave,fail b573d0ccf2d44e1732e7be512000cd4635985096 16
85001051568 1685001049060 3 connected
eddlc028651f175a6c81e27ac18fbf8d9f5b2514 172.28.100.236:7001@17001 master - 0 1685001084654 15 connected 0-5460
46f204a90cec85ae435385db81d56b727b1ac84f 172.28.100.236:7000@17000 myself,master - 0 1685001082000 10 connected 5461-1092
2
[root@drc-redis-cl-02 ~]#

root@drc-redis-cl-02:~
[root@drc-redis-cl-02 ~]# date
Thu May 25 14:56:29 WIB 2023
[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
b573d0ccf2d44e1732e7be512000cd4635985096 172.28.100.237:7000@17000 master - 0 1685001390039 3 connected 10923-16383
7f566f07b7150d353178af1a0c479947271f6569 172.28.100.237:7001@17001 slave 46f204a90cec85ae435385db81d56b727b1ac84f 0 16850
01391042 10 connected
a17de6059c9c59ed90210e1948f036e02520ce72 172.28.100.235:7000@17000 slave eddlc028651f175a6c81e27ac18fbf8d9f5b2514 0 16850
01390541 15 connected
8bf5ae941f76c90dc83a9f91aa2bdf8a9bc2e0b3 172.28.100.235:7001@17001 slave b573d0ccf2d44e1732e7be512000cd4635985096 0 16850
01390541 3 connected
eddlc028651f175a6c81e27ac18fbf8d9f5b2514 172.28.100.236:7001@17001 master - 0 1685001390541 15 connected 0-5460
46f204a90cec85ae435385db81d56b727b1ac84f 172.28.100.236:7000@17000 myself,master - 0 1685001388000 10 connected 5461-1092
2
[root@drc-redis-cl-02 ~]#

root@drc-redis-cl-02:~
[root@drc-redis-cl-02 ~]# date
Thu May 25 15:00:38 WIB 2023
[root@drc-redis-cl-02 ~]# redis-cli -p 7000 -a SomePassw0rd --no-auth-warning cluster nodes
b573d0ccf2d44e1732e7be512000cd4635985096 172.28.100.237:7000@17000 master - 0 1685001640753 3 connected 10923-16383
7f566f07b7150d353178af1a0c479947271f6569 172.28.100.237:7001@17001 slave 46f204a90cec85ae435385db81d56b727b1ac84f 0 16850
01641000 10 connected
a17de6059c9c59ed90210e1948f036e02520ce72 172.28.100.235:7000@17000 master - 0 1685001641756 16 connected 0-5460
8bf5ae941f76c90dc83a9f91aa2bdf8a9bc2e0b3 172.28.100.235:7001@17001 slave b573d0ccf2d44e1732e7be512000cd4635985096 0 16850
01641000 3 connected
eddlc028651f175a6c81e27ac18fbf8d9f5b2514 172.28.100.236:7001@17001 slave a17de6059c9c59ed90210e1948f036e02520ce72 0 16850
01641255 16 connected
46f204a90cec85ae435385db81d56b727b1ac84f 172.28.100.236:7000@17000 myself,master - 0 1685001641000 10 connected 5461-1092
2
[root@drc-redis-cl-02 ~]#
```

Check script configuration

Command:

```
cat /opt/redis/script/recycle.sh
crontab -e
```

Actual Output:

```
root@drc-redis-cl-01:~
#!/bin/bash
host_ip=172.28.100.235
master_port=7000
slave_port=7001
master_service_name=redis-master
slave_service_name=redis-slave
my_master_ip=172.28.100.237
my_master_port=7000
master_auth=SomePassw0rd
```

```
root@drc-redis-cl-01:~
*/15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf
```

```
root@drc-redis-cl-02:~
#!/bin/bash
host_ip=172.28.100.236
master_port=7000
slave_port=7001
master_service_name=redis-master
slave_service_name=redis-slave
my_master_ip=172.28.100.235
my_master_port=7000
master_auth=SomePassw0rd
```

```
root@drc-redis-cl-02:~
*/15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf
```

```
root@drc-redis-cl-03:~
#!/bin/bash
host_ip=172.28.100.237
master_port=7000
slave_port=7001
master_service_name=redis-master
slave_service_name=redis-slave
my_master_ip=172.28.100.236
my_master_port=7000
master_auth=SomePassw0rd
```

```
root@drc-redis-cl-03:~
*/15 * * * * /opt/redis/script/recycle.sh >> /opt/redis/log/recycle.log
* 0 * * * /usr/sbin/logrotate /etc/logrotate.conf
```

Result:

Location	Script Functionality (OK/NOK)	Script Configuration	
		Server Name	OK / NOK
DC	OK	dc-redis-cl-01	OK
		dc-redis-cl-02	OK
		dc-redis-cl-03	OK
DRC	OK	drc-redis-cl-01	OK
		drc-redis-cl-02	OK
		drc-redis-cl-03	OK

Remark:

None