

The HA of redis sentinel

作者: [Smiteli](#)

原文链接: <https://ld246.com/article/1597820212494>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

 

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<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"># The HA of redis sentinel
</span></span><span class="highlight-line"><span class="highlight-cl">Now, you have a sentinel cluster : 1 master + 6 slave + 7 sentinel.
</span></span><span class="highlight-line"><span class="highlight-cl">To mock a disaster as all the servers of the 3rd district shutdown, we have to stop 1 master, 3 slave, 4 sentinel.
</span></span><span class="highlight-line"><span class="highlight-cl">In this case, we have to fix the error manually. The following is cover how to recover redis step by step.
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">1. stop master, 3 slave, 4 sentinel
</span></span><span class="highlight-line"><span class="highlight-cl">docker stop redis master redis_slave6 redis_slave5 redis_slave4 redis_sentinel7 redis_sentinel6 redis_sentinel5 redis_sentinel4
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">After this, we just have 3 slave, 3 sentinel.
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span></code></pre>
<p>docker exec -it redis_sentinel redis-cli -p 26379 -a ee06167b10a177f60766d35baa81955
<br>
info</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">we can see the info of the redis sentinel cluster:
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span></code></pre>
<h2 id="Sentinel">Sentinel</h2>
<p>sentinel_masters:1<br>
sentinel_tilt:0<br>
sentinel_running_scripts:0<br>
sentinel_scripts_queue_length:0<br>
sentinel_simulate_failure_flags:0<br>
master0:name=default,status=odown,address=192.168.11.141:6379,slaves=6,sentinels=7</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">3 sentinel could not vote a master, so we have to edit the redis.conf of the sentinel, comment the 2 down sentinel so that
</span></span><span class="highlight-line"><span class="highlight-cl">we will have 5 sentinel in all.
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span></code></pre>
<p>vim redis_sentinel/redis.conf<br>
vim redis_sentinel2/redis.conf<br>
vim redis_sentinel3/redis.conf</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">the redis.conf of sentinel may like this:
</span></span></code></pre>
<p>port 26379<br>
sentinel myid 5b488b5fab7db426b3d58604704c05df5e2e38ab<br>
sentinel deny-scripts-reconfig yes<br>
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sentinel monitor default 192.168.11.141 16382 2<br>
sentinel down-after-milliseconds default 60000<br>
sentinel auth-pass default ee06167b10a177f60766d35baa81955d<br>
bind 192.168.11.141 127.0.0.1</p>
<h2 id="Generated-by-CONFIG-REWRITE">Generated by CONFIG REWRITE</h2>
<p>dir "/data"<br>
sentinel config-epoch default 2<br>
sentinel leader-epoch default 2<br>
sentinel known-replica default 192.168.11.141 16385<br>
sentinel known-replica default 192.168.11.141 16384<br>
sentinel known-replica default 192.168.11.141 16383<br>
sentinel known-replica default 192.168.11.141 6379<br>
sentinel known-replica default 192.168.11.141 16386<br>
sentinel known-replica default 192.168.11.141 16379<br>
sentinel known-sentinel default 192.168.11.141 26383 4af30eead07c1baab7676f6099a565ca0404546<br>
sentinel known-sentinel default 192.168.11.141 26385 55c654fce27a2282f683f9e413f72f12bc4b101<br>
#sentinel known-sentinel default 192.168.11.141 26386 8061c64d8b8b66d77f2054cf7f1b7cf5104b60b<br>
#sentinel known-sentinel default 192.168.11.141 26387 9868b0c5dd86f06baeda60f61dea491cc9099c9<br>
sentinel known-sentinel default 192.168.11.141 26384 cc0aee23f7544e645a6aa6a9b3413be968726f8<br>
sentinel known-sentinel default 192.168.11.141 26382 ffab2ba8161fe5066d6b3c0355a47a31367edd7<br>
sentinel current-epoch 2</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">actually, your redis.conf is a little different.
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">After save the redi
.conf of the 3 living sentinel, let's restart the sentinel:
</span></span></code></pre>
<p>docker restart redis_sentinel redis_sentinel2 redis_sentinel3</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">Now, we can see the log of the sentinel:
</span></span></code></pre>
<p>docker logs -f redis_sentinel</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">or we can see the info of the sentinel:
</span></span></code></pre>
<p>docker exec -it redis_sentinel redis-cli -p 26379 -a ee06167b10a177f60766d35baa81955
<br>
info</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">
</span></span></code></pre>
<h2 id="Sentinel-">Sentinel</h2>
<p>sentinel_masters:1<br>
sentinel_tilt:0<br>
sentinel_running_scripts:0<br>
sentinel_scripts_queue_length:0<br>
sentinel_simulate_failure_flags:0<br>
master0:name=default,status=ok,address=192.168.11.141:16382,slaves=6,sentinels=5</p>

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<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl">Also, we can conn
ct to the new master to get the info:
</span> </span> </code> </pre>
<p>docker exec -it redis_sentinel redis-cli -p 16382 -a ee06167b10a177f60766d35baa81955
</p>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> </code> </pre>
<h2 id="Replication">Replication</h2>
<p>role:master<br>
connected_slaves:2<br>
slave0:ip=192.168.11.141,port=16379,state=online,offset=24089918,lag=1<br>
slave1:ip=192.168.11.141,port=16383,state=online,offset=24090204,lag=1<br>
master_replid:b0b95c63725305795f2f2008968e38b94a7603c5<br>
master_replid2:2754e76811a0bbf3ab3a14707058ac73f8419128<br>
master_repl_offset:24090347<br>
second_repl_offset:23860873<br>
repl_backlog_active:1<br>
repl_backlog_size:1048576<br>
repl_backlog_first_byte_offset:23041772<br>
repl_backlog_histlen:1048576</p>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> </code> </pre>
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