



链滴

mongodb 连接查询, localField 使用 _id 进行匹配不生效

作者: [MingGH](#)

原文链接: <https://ld246.com/article/1620095720221>

来源网站: [链滴](#)

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

```
<h2 id="情景再现">情景再现</h2>
<p>情景是这样的，我现在有两个文档<br>
<strong>文档 A</strong> </p>
```

```
<table>
<thead>
<tr>
<th>_id</th>
<th>name</th>
</tr>
</thead>
<tbody>
<tr>
<td>6090acbd682e000028007e74</td>
<td>jack</td>
</tr>
<tr>
<td>6090acbd682e000028007e75</td>
<td>rose</td>
</tr>
</tbody>
</table>
```

```
<p> <strong>文档 B</strong> </p>
<table>
<thead>
<tr>
<th>_id</th>
<th>a_id</th>
<th>state</th>
</tr>
</thead>
<tbody>
<tr>
<td>6787848807839043584</td>
<td>6090acbd682e000028007e74</td>
<td>1</td>
</tr>
<tr>
<td>6787848807839043585</td>
<td>6090acbd682e000028007e75</td>
<td>0</td>
</tr>
</tbody>
</table>
```

<p>然后需要连接查询文档 A 和文档 B</p>

<p>在 mysql 上我们可以</p>

```
<pre> <code class="language-sql highlight-chroma"> <span class="highlight-k">select</span>
<span class="highlight-o">*</span> <span class="highlight-k">from</span> <span class="highlight-n">A</span>
<span class="highlight-k">left</span> <span class="highlight-k">join</span> <span class="highlight-n">B</span>
<span class="highlight-k">on</span> <span class="highlight-n">A</span> <span class="highlight-p">.</span> <span class="highlight-n">_id</span>
<span class="highlight-o">=</span> <span class="highlight-n">B</span> <span class="highlight-p">.</span>
<span class="highlight-n">a_id</span>
</code> </pre>
```

<p>但是 mongodb 的话我们需要通过 aggregate 实现，

起初写的 sql 是

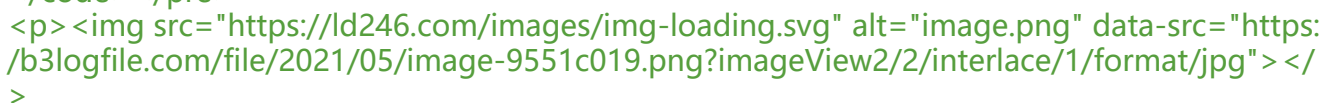
```
<pre><code class="language-js highlight-chroma"><span class="highlight-nx">db</span>
span class="highlight-p">.</span><span class="highlight-nx">A</span><span class="highl
ght-p">.</span><span class="highlight-nx">aggregate</span><span class="highlight-p">(
</span>
<span class="highlight-p">{</span><span class="highlight-nx">$lookup</span><span clas
="highlight-o">:</span><span class="highlight-p">{</span>
  <span class="highlight-nx">from</span><span class="highlight-o">:</span> <span clas
="highlight-s2">"B"</span><span class="highlight-p">,</span></span>
  <span class="highlight-nx">localField</span><span class="highlight-o">:</span> <s
an class="highlight-s2">"_id"</span><span class="highlight-p">,</span></span>
  <span class="highlight-nx">foreignField</span><span class="highlight-o">:</span>
span class="highlight-s2">"a_id"</span><span class="highlight-p">,</span></span>
  <span class="highlight-nx">as</span><span class="highlight-o">:</span> <span clas
="highlight-s2">"success_id"</span>
<span class="highlight-p">}}</span></code></pre>
```

发现根本没有关联值,

解决

在 **Stack Overflow** 上找到[相似问题](https://link.ld246.com/forward?go_o=https%3A%2F%2Fstackoverflow.com%2Fquestions%2F36077503%2Fmongodb-query-usin-id-object-in-lookup-localfield), 原来需在 sql 上加

```
<pre><code class="language-js highlight-chroma"><span class="highlight-p">{</span>
  <span class="highlight-nx">$addFields</span><span class="highlight-o">:</span> <spa
class="highlight-p">{</span> <span class="highlight-s2">"_id"</span><span class="highli
ht-o">:</span> <span class="highlight-p">{</span> <span class="highlight-s2">"$toString
</span><span class="highlight-o">:</span> <span class="highlight-s2">"_id"</span> <s
an class="highlight-p">}</span> <span class="highlight-p">}</span>
  <span class="highlight-p">},</span></code></pre>
```

 <https://ld246.com/images/img-loading.svg> alt="image.png" data-bbox="77 574 917 620"/> <https://b3logfile.com/file/2021/05/image-9551c019.png?imageView2/2/interlace/1/format/jpg>

所以, 写法改为

```
<pre><code class="language-js highlight-chroma"><span class="highlight-nx">db</span>
span class="highlight-p">.</span><span class="highlight-nx">A</span><span class="highl
ght-p">.</span><span class="highlight-nx">aggregate</span><span class="highlight-p">(
</span>
<span class="highlight-p">{</span>
  <span class="highlight-nx">$addFields</span><span class="highlight-o">:</span> <spa
class="highlight-p">{</span> <span class="highlight-s2">"_id"</span><span class="highli
ht-o">:</span> <span class="highlight-p">{</span> <span class="highlight-s2">"$toString
</span><span class="highlight-o">:</span> <span class="highlight-s2">"_id"</span> <s
an class="highlight-p">}</span> <span class="highlight-p">}</span>
  <span class="highlight-p">},</span>
<span class="highlight-p">{</span><span class="highlight-nx">$lookup</span><span clas
="highlight-o">:</span><span class="highlight-p">{</span>
<span class="highlight-nx">from</span><span class="highlight-o">:</span> <span class=
highlight-s2">"B"</span><span class="highlight-p">,</span>
  <span class="highlight-nx">localField</span><span class="highlight-o">:</span> <s
```

```
an class="highlight-s2">"_id"</span><span class="highlight-p">,</span>  
  <span class="highlight-nx">foreignField</span><span class="highlight-o">:</span>  
span class="highlight-s2">"a_id"</span><span class="highlight-p">,</span>  
  <span class="highlight-nx">as</span><span class="highlight-o">:</span> <span clas  
="highlight-s2">"success_id"</span>
```

```
<span class="highlight-p">}}]</span>
```

```
</code></pre>
```

<p>得到连接之后的结果</p>