



链滴

# JavaScript - 根据 SHA-256 算法返回哈希值

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原文链接: <https://ld246.com/article/1591756123944>

来源网站: [链滴](#)

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<h3 id="描述">描述</h3>

<p>使用 <a href="https://ld246.com/forward?goto=https%3A%2F%2Fen.wikipedia.org%2Fwiki%2FSHA-2" target="\_blank" rel="nofollow ugc">SHA-256</a> 算法为指定的字符串创建一个希。返回 Promise。 </p>

<h3 id="提示">提示</h3>

<ul>

<li>使用 <code>crypt</code> API 为给定的值创建一个哈希</li>

<li>使用 <code>setTimeout</code> 防止耗时阻塞</li>

<li>使用 <code>Promise</code> 为用户提供友好的接口</li>

</ul>

<h3 id="代码">代码</h3>

```
<pre> <code class="language-js highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-kr">const</span> <span class="highlight-nx">crypt</span> </span> <span class="highlight-o">=</span> <span class="highlight-nx">require</span> <span class="highlight-p">(</span> <span class="highlight-s1">'crypto'</span> <span class="highlight-p">)</span>);</span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-kr">const</span> <span class="highlight-nx">hashNode</span> <span class="highlight-t-o">=</span> <span class="highlight-nx">val</span> <span class="highlight-p">=&gt;</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-k">new</span> <span class="highlight-nb">Promise</span> <span class="highlight-p">(</span> <span class="highlight-nx">resolve</span> <span class="highlight-p">=&gt;</span> <span></span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-nx">setTimeout</span> <span class="highlight-p">(</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p">())</span> <span class="highlight-p">=&gt;</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-nx">resolve</span> <span class="highlight-p">(</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-nx">crypto</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p">.</span> <span class="highlight-nx">createHash</span> <span class="highlight-p">(</span> <span class="highlight-s1">'sha256'</span> <span class="highlight-p">)</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p">.</span> <span class="highlight-nx">update</span> <span class="highlight-p">(</span> <span class="highlight-nx">val</span> <span class="highlight-p">)</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p">.</span> <span class="highlight-nx">digest</span> <span class="highlight-p">(</span> <span class="highlight-s1">'hex'</span> <span class="highlight-p">)</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p">),</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-mi">>0</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p">)</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p">)</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p">);</span> </span> </span> </code> </pre>
```

<h3 id="示例">示例</h3>

<p>获取哈希值: </p>

```
<pre><code class="language-js highlight-chroma"><span class="highlight-line"><span clas
="highlight-cl"><span class="highlight-nx">hashNode</span><span class="highlight-p">(
/)</span><span class="highlight-nx">JSON</span><span class="highlight-p">.</span><span
class="highlight-nx">stringify</span><span class="highlight-p">({</span><span class="hi
hlight-nx">a</span><span class="highlight-o">:</span><span class="highlight-s1">'a'</s
an><span class="highlight-p">,</span><span class="highlight-nx">b</span><span class=
highlight-o">:</span><span class="highlight-p">[</span><span class="highlight-mi">1</
pan><span class="highlight-p">,</span><span class="highlight-mi">2</span><span clas
="highlight-p">,</span><span class="highlight-mi">3</span><span class="highlight-p">,</
span><span class="highlight-mi">4</span><span class="highlight-p">],</span><span cl
ss="highlight-nx">foo</span><span class="highlight-o">:</span><span class="highlight-
">{</span><span class="highlight-nx">c</span><span class="highlight-o">:</span><sp
n class="highlight-s1">'bar'</span><span class="highlight-p">}</span><span class="highl
ght-p">}}).</span><span class="highlight-nx">then</span><span class="highlight-p">(</s
an><span class="highlight-nx">console</span><span class="highlight-p">.</span><span c
ass="highlight-nx">log</span><span class="highlight-p">);</span><span class="highlight
c1">>// '04aa106279f5977f59f9067fa9712afc4aedc6f5862a8defc34552d8c7206393'
</span></span></span></code></pre>
<h3 id="返回总目录">返回总目录</h3>
<p><a href="https://ld246.com/forward?goto=https%3A%2F%2Fhacpai.com%2Farticle%2F1
53314584340%3Fr%3DVanessa" target="_blank" rel="nofollow ugc">每天 30 秒系列之 JavaScr
pt 代码</a></p>
```