

React Hooks - 使用浏览器端识别

作者: [Vanessa](#)

原文链接: <https://ld246.com/article/1567682588692>

来源网站: [链滴](#)

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<h3 id="描述">描述</h3>

<p>一个可以检查代码运行在浏览器端还是服务端的 hook。 </p>

创建一个可以返回适当对象的自定义 hook,

使用 <code>typeof window</code>, <code>window.document</code> 和 <code>window.document.createElement</code> 来检查代码是否运行在浏览器中

使用 <code>React.useState()</code> hook 定义 <code>inBrowser</code> 状态变量

使用 <code>React.useEffect()</code> hook 来更新 <code>inBrowser</code> 的状态变量及最终的清除

使用 <code>React.useMemo()</code> 记住自定义 hook 返回的值

<h3 id="实现">实现</h3>

```
<pre> <code class="language-jsx highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-kr">const</span> <span class="highlight-nx">isDOMavailable</span> <span class="highlight-o">=</span> <span class="highlight-o">!!</span> <span class="highlight-p"></span></span></span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-k">typeof</span> <span class="highlight-nb">window</span> <span class="highlight-t-o">!</span> <span class="highlight-s1">'undefined'</span> <span class="highlight-o">&&</span></span></span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-nb">window</span> <span class="highlight-p">.</span> <span class="highlight-nb">document</span> <span class="highlight-o">&&</span></span></span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-nb">window</span> <span class="highlight-p">.</span> <span class="highlight-nb">document</span> <span class="highlight-p">.</span> <span class="highlight-nx">createElement</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-kr">const</span> <span class="highlight-cl"> <span class="highlight-kr">useSSR</span> <span class="highlight-o">=</span> <span class="highlight-p"></span> <span class="highlight-nx">callback</span> <span class="highlight-p">,</span> <span class="highlight-nx">delay</span> <span class="highlight-p">></span> <span class="highlight-p">=&gt;</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-p">[</span> <span class="highlight-nx">inBrowser</span> <span class="highlight-p">,</span> <span class="highlight-nx">setInBrowser</span> <span class="highlight-p">]</span> <span class="highlight-o">=</span> <span class="highlight-nx">React</span> <span class="highlight-p">.</span> <span class="highlight-nx">useState</span> <span class="highlight-p">(</span> <span class="highlight-nx">isDOMavailable</span> <span class="highlight-p">);</span></span></span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-nx">React</span> <span class="highlight-p">.</span> <span class="highlight-nx">useEffect</span> <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">setInBrowser</span> <span class="highlight-p">(</span> <span class="highlight-nx">isDOMavailable</span> <span class="highlight-p">);</span></span></span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-k">return</span> <span class="highlight-p">(</span> <span class="highlight-p"></span></span></span>
```

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=&gt;</span> <span class="highlight-p">{</span>
</span></span> <span class="highlight-line"><span class="highlight-cl"> <span class="
highlight-nx">setInBrowser</span><span class="highlight-p">(</span><span class="highlig
t-kc">>false</span><span class="highlight-p">);</span>
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="h
ghlight-p">}</span>
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="hi
hlight-p">},</span> <span class="highlight-p">[]</span>,</span>
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="hi
hlight-kr">const</span> <span class="highlight-nx">useSSRObjct</span> <span class="h
ghlight-o">=</span> <span class="highlight-nx">React</span><span class="highlight-p">
</span><span class="highlight-nx">useMemo</span><span class="highlight-p">()</span>
<span class="highlight-p">=&gt;</span> <span class="highlight-p">({</span>
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="h
ghlight-nx">isBrowser</span><span class="highlight-o">:</span> <span class="highlight-
x">inBrowser</span><span class="highlight-p">,</span>
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="h
ghlight-nx">isServer</span><span class="highlight-o">:</span><span class="highlight-o"
!</span><span class="highlight-nx">inBrowser</span><span class="highlight-p">,</span>
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="h
ghlight-nx">canUseWorkers</span><span class="highlight-o">:</span> <span class="highl
ght-k">typeof</span> <span class="highlight-nx">Worker</span> <span class="highlight-
">!=</span> <span class="highlight-s1">'undefined'</span><span class="highlight-p">,<
span>
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="h
ghlight-nx">canUseEventListeners</span><span class="highlight-o">:</span> <span class=
highlight-nx">inBrowser</span> <span class="highlight-o">&&</span> <span cl
ss="highlight-o">!!</span><span class="highlight-nb">window</span><span class="highli
ht-p">.</span><span class="highlight-nx">addEventListener</span><span class="highlight
p">,</span>
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="h
ghlight-nx">canUseViewport</span><span class="highlight-o">:</span> <span class="high
ight-nx">inBrowser</span> <span class="highlight-o">&&</span> <span class="
ighlight-o">!!</span><span class="highlight-nb">window</span><span class="highlight-p
">.</span><span class="highlight-nx">screen</span>
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="hi
hlight-p">}),</span> <span class="highlight-p">[</span><span class="highlight-nx">inBro
ser</span><span class="highlight-p">]);</span>
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl"> <span class="hi
hlight-k">return</span> <span class="highlight-nx">React</span><span class="highlight-
">.</span><span class="highlight-nx">useMemo</span><span class="highlight-p">()</sp
n> <span class="highlight-p">=&gt;</span> <span class="highlight-nb">Object</span><span class="s
an class="highlight-p">.</span><span class="highlight-nx">assign</span><span class="hi
hlight-p">(</span><span class="highlight-nb">Object</span><span class="highlight-p">.&
/span><span class="highlight-nx">values</span><span class="highlight-p">(</span><span cl
ass="highlight-nx">useSSRObjct</span><span class="highlight-p">),</span> <span cla
s="highlight-nx">useSSRObjct</span><span class="highlight-p">),</span> <span class="h
ghlight-p">[</span><span class="highlight-nx">inBrowser</span><span class="highlight-p
">]);</span>
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="high
ight-p">};</span>
</span></span></code></pre>

```

<h3 id="使用">使用</h3>

```
<pre><code class="language-jsx highlight-chroma"><span class="highlight-line"><span class="highlight-cl"><span class="highlight-kr">const</span> <span class="highlight-nx">SSR</span> <span class="highlight-o">=</span> <span class="highlight-nx">props</span></span> <span class="highlight-p">=</span><span class="highlight-p">{</span></span></span></span><span class="highlight-line"><span class="highlight-cl"> <span class="highlight-kd">let</span></span> <span class="highlight-p">{</span></span> <span class="highlight-nx">isBrowser</span></span><span class="highlight-p">,</span></span> <span class="highlight-nx">isServer</span></span><span class="highlight-p">}</span></span> <span class="highlight-o">=</span><span class="highlight-nx">useSSR</span></span><span class="highlight-p">();</span></span></span></span><span class="highlight-line"><span class="highlight-cl"></span></span></span><span class="highlight-line"><span class="highlight-cl"> <span class="highlight-k">return</span></span> <span class="highlight-p">&lt;</span></span><span class="highlight-nt">p</span></span><span class="highlight-p">&gt;{</span></span> <span class="highlight-nx">isBrowser</span></span><span class="highlight-o">?</span></span> <span class="highlight-s1">'Running on browser</span></span><span class="highlight-o">:</span></span> <span class="highlight-s1">'Running on server</span></span><span class="highlight-p">}&lt;/</span></span><span class="highlight-nt">p</span></span><span class="highlight-p">&gt;</span></span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-p">};</span></span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-nx">ReactDOM</span></span><span class="highlight-p">.</span></span><span class="highlight-nx">render</span></span><span class="highlight-p">(&lt;</span></span><span class="highlight-nt">SSRChecker</span></span> <span class="highlight-p">.</span></span><span class="highlight-nb">document</span></span><span class="highlight-p">.</span></span><span class="highlight-nx">getElementById</span></span><span class="highlight-p">(</span></span><span class="highlight-s1">'root'</span></span><span class="highlight-p">));</span></span></span></span></code></pre>
```

<h3 id="返回总目录">返回总目录</h3>

<p>每天 30 秒系列之 React</p>