



链滴

Solo 生成导出静态站点

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来源网站: [链滴](#)

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<blockquote>

<p>本文是《Solo 从设计到实现》的一个章节，该系列文章将介绍 Solo 这款 Java 博客系统是如何从无到有的，希望大家能通过它对 Solo 从设计到实现有个直观地了解、能为想参与贡献的人介绍清楚项目，希望能为给重复发明重新定义博客系统的人做个参考 :heart:</p>

</blockquote>

<p>自 v3.9.0 开始，Solo 开始支持生成并导出静态站点，以方便用户部署 GitHub Pages 这类静态站托管服务。实例可见于此：</p>

https://dl88250.gitee.io

https://88250.github.io

<p>换句话说，Solo 可以支持在本地 localhost 上写作，然后用户自行部署 Pages 托管站点，这样不用搭建服务器运维了。Solo 静态部署同样支持浏览量计数和社区评论互动，让静态博客也能和动博客一样充满生机。</p>

<h3 id="使用流程">使用流程</h3>

功能入口：管理后台 - 工具 - 静态站点

输入待生成的静态站点地址，比如 <code>https://88250.github.io</code>

点击“生成”按钮触发静态站点页面资源生成

生成完毕后界面会返回导出的目录路径

<h3 id="技术实现">技术实现</h3>

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<pre><code class="language-java highlight-chroma"><span class="highlight-line"><span class="highlight-cl"><span class="highlight-n">Solos</span><span class="highlight-o">.</span><span class="highlight-na">GEN_STATIC_SITE</span><span class="highlight-o">=</span><span class="highlight-kc">>true</span><span class="highlight-o">;</span></span></span><span class="highlight-line"><span class="highlight-cl"></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-n">genURI</span><span class="highlight-o">(</span><span class="highlight-s">"/tasks.html"</span><span class="highlight-o">);</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-n">genURI</span><span class="highlight-o">(</span><span class="highlight-s">"/archives.html"</span><span class="highlight-o">);</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-n">genURI</span><span class="highlight-o">(</span><span class="highlight-s">"/lines.html"</span><span class="highlight-o">);</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-n">genURI</span><span class="highlight-o">(</span><span class="highlight-s">"/categories.html"</span><span class="highlight-o">);</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-n">genURI</span><span class="highlight-o">(</span><span class="highlight-s">"/index.html"</span><span class="highlight-o">);</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-n">genURI</span><span class="highlight-o">(</span><span class="highlight-s">"/blog/info"</span><span class="highlight-o">);</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-n">genURI</span><span class="highlight-o">(</span><span class="highlight-s">"/manifest.json"</span><span class="highlight-o">);</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-n">genURI</span><span class="highlight-o">(</span><span class="highlight-s">"/m
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ts.txt"</span><span class="highlight-o">);</span>
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ight-n">genFile</span><span class="highlight-o">(</span><span class="highlight-s">"CH
NGE_LOGS.md"</span><span class="highlight-o">);</span>
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</span><span class="highlight-o">;</span></span>
</span></span></code></pre>
```


<code>genURI</code> : 用于生成独立的动态模板页面

<code>genArticlese</code> 、 <code>genTags</code> 、 <code>genArchives</code> 等：分别用于生成文章、标签、存档等

<code>genJS</code> 、 <code>genImages</code> 、 <code>genPlugins</code> : 别用于生成 JS、图片、插件

<code>genFile</code> : 用于生产单个的静态文件

<p>对于文章，仅导出：</p>

状态为发布状态的，即不导出草稿夹

没有密码的文章，即公开文章

<p>除了页面相关资源的生成，静态博客站点还需要浏览计数统计和评论功能，为此我们做了两个组来进行支持：</p>

uvstat：博客总浏览数、文章浏览数计数组件

<a href="https://link.ld246.com/forward?goto=https%3A%2F%2Fgithub.com%2FVaness

219%2Fvcomment" target="_blank" rel="nofollow ugc">vcomment: 提供社区评论, 将区端回帖相关交互特性共享给博客端节点

<h3 id="UVStat">UVStat</h3>

<p>引入 uvstat.js 后将需要统计的计数项用 `` 包裹: </p>

```
<pre> <code class="language-html highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p"> &lt;/span> <span class="highlight-nt"> span /span> <span class="highlight-na"> data-uvstaturl</span> <span class="highlight-o"> = </span> <span class="highlight-s"> "${servePath}${article.articlePermalink}" </span> <span class="highlight-p"> &gt;</span> <span class="highlight-nt"> span</span> <span class="highlight-p"> &gt;</span> </span> </span> </code> </pre>
```

<p>然后调用 `<addStat>` 进行计数请求, `<renderStat>` 进行计数结果渲染, 细节请参考项目文档。</p>

<p>uvstat 部署在社区服务器上, 是 B3log 分布式社区的重要基础设施, Solo 已经全部切换到该服务器上实现浏览计数了。</p>

<h3 id="VComment">VComment</h3>

<p>引入 vcomment.js 后在评论列表处引入: </p>

```
<pre> <code class="language-html highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p"> &lt;/span> <span class="highlight-nt"> div</span> <span class="highlight-na"> id</span> <span class="highlight-o"> = </span> <span class="highlight-s"> "vcomment" </span> <span class="highlight-na"> data-name</span> <span class="highlight-o"> = </span> <span class="highlight-s"> "${article.authorName}" </span> <span class="highlight-na"> data-postId</span> <span class="highlight-o"> = </span> <span class="highlight-s"> "${article.old}" </span> <span class="highlight-p"> &gt;&lt;/span> <span class="highlight-nt"> div</span> <span class="highlight-p"> &gt;</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p"> &lt;/span> <span class="highlight-nt"> div</span> <span class="highlight-na"> id /span> <span class="highlight-o"> = </span> <span class="highlight-s"> "soloComments" </span> <span class="highlight-na"> class</span> <span class="highlight-o"> = </span> <span class="highlight-s"> "fn__none" </span> <span class="highlight-p"> &gt;</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-err"> &lt;/span> @comments commentList=articleComments article=article&gt;<span class="highlight-err"> &lt;/span> /@comments&gt;</span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="highlight-p"> &lt;/span> <span class="highlight-nt"> div</span> <span class="highlight-p"> &gt;</span> </span> </span> </code> </pre>
```

<p>Solo 本地的评论列表依然保留, 只是默认不展现, 当通过 vcomment “加载为空” 后才展现本评论列表。“加载为空” 只有一种情况: 该文章没有同步到社区, 所以不存在和该文章关联的回帖。</p>

<p>这样用户如果不想推送文章到社区, 也可以使用本地的评论系统, 如果推送过了, 就优先走社区论系统。走社区评论系统的优势是能够最大限度共享社区交互功能, 比如回帖回复、二级评论、感谢通知等。</p>

<p>技术实现方面主要用到了 CORS, 接口完全由社区提供, 本地直接加载社区服务端渲染的 HTML 提交时带 CSRF Token 避免跨站脚本攻击。</p>