

OSC原创会

年终盛典 2016

链家网移动网页优化

杨永林 | @教主



*H5*和*Native*如何分工？



问题

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产品部：用户体验好

商务部：积极支持对外合作

客户端：“这个H5做吧”

市场部：支持SEO，呼起客户端

技术部：开发速度快成本低



初始方案

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1	m.lianjia.com/bj/...	200	36.297KB		1.024 s	✘
2	static1.ljcdn.com...	200	43.829KB		0.962 s	✘
3	static1.ljcdn.com...	200	20.508KB		0.758 s	
4	static1.ljcdn.com...	200	7.101KB		0.614 s	
5	static1.ljcdn.com...	200	1.207KB		0.682 s	✘
6	static1.ljcdn.com...	200	19.989KB		0.527 s	
7	static1.ljcdn.com...	200	5.591KB		0.441 s	
8	static1.ljcdn.com...	200	4.315KB		0.355 s	
9	static1.ljcdn.com...	200	15.553KB		0.319 s	
10	www.google-ana...	200	11.699KB		0.532 s	
11	dig.lianjia.com/li...	200	2.446KB		0.573 s	✘
12	static1.ljcdn.com...	200	20.855KB		0.508 s	
13	static1.ljcdn.com...	200	3.466KB		0.22 s	
14	static1.ljcdn.com...	200	25.192KB		0.405 s	
15	w.cnzz.com/c.php	200	10.229KB		0.704 s	
16	static1.ljcdn.com...	200	11.585KB		0.393 s	
17	static1.ljcdn.com...	200	25.084KB		0.369 s	
18	m.api.lianjia.com...	200	4.879KB		1.099 s	✘
19	www.google-ana...	200	0.37KB		0.6 s	
20	dig.lianjia.com/t.gif	200	0.229KB		0.404 s	✘
21	q14.cnzz.com/st...	200	0.242KB		0.441 s	
22	c.cnzz.com/core...	200	2.266KB		0.479 s	✘

SPA方案问题

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H5用户覆盖广，但使用深度低

服务质量监控困难

SEO不友好

鲁棒性弱，影响合作



优化方案

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1	app.m.lianjia.co...	200	32.063KB	1.197 s
2	static1.ljcdn.com...	200	20.856KB	0.845 s
3	s1.ljcdn.com/hul...	200	7.87KB	0.633 s
4	s1.ljcdn.com/hul...	200	2.893KB	0.506 s
5	s1.ljcdn.com/hul...	200	2.384KB	0.545 s
6	s1.ljcdn.com/hul...	200	10.87KB	0.619 s
7	s1.ljcdn.com/hul...	200	1.313KB	0.566 s
8	s1.ljcdn.com/hul...	200	6.287KB	0.656 s
9	s1.ljcdn.com/hul...	200	10.999KB	0.499 s
10	s1.ljcdn.com/hul...	200	2.67KB	0.46 s
11	image1.ljcdn.co...	200	30.61KB	0.809 s
12	s1.ljcdn.com/hul...	200	11.628KB	0.419 s
13	image1.ljcdn.co...	200	12.096KB	0.485 s
14	image1.ljcdn.co...	200	39.796KB	0.761 s
15	image1.ljcdn.co...	200	6.446KB	0.543 s
16	app.m.lianjia.co...	200	66.377KB	0.388 s
17	120.80.57.123/h...	200	0.747KB	0.154 s

优化方案

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刷页方案的问题

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前后端不分离

页面切换交互不友好



打包成一个项目，深度合作

页面输出状态单一，差异数据前端渲染

用工具提高开发效率



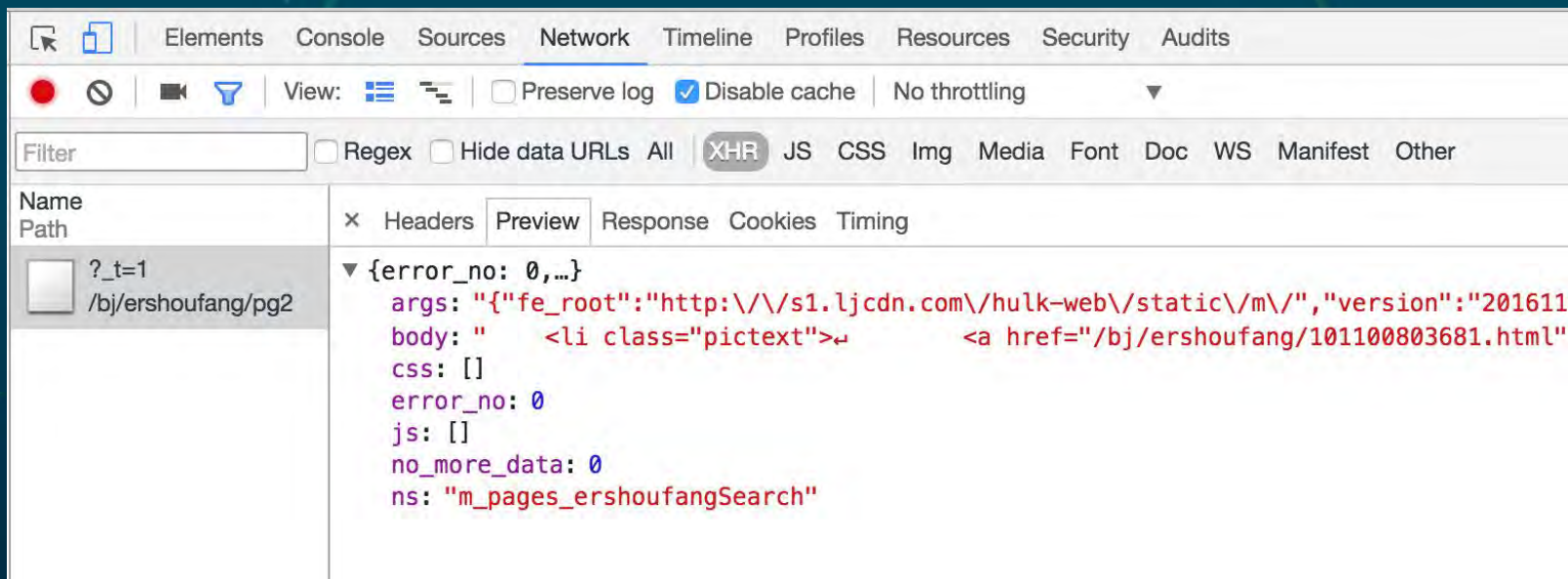
在刷页的基础上做SPA

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在刷页的基础上做SPA

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The screenshot shows the Chrome DevTools Network tab. The 'Network' tab is selected, and the 'XHR' filter is active. A request is selected, and the 'Preview' tab is open. The response is a JSON object with the following structure:

```
{error_no: 0, ...}
  args: {"fe_root": "http://s1.ljcdn.com/hulk-web/static/m/", "version": "201611"}
  body: "    <li class="pictext">          <a href="/bj/ershoufang/101100803681.html"
  css: []
  error_no: 0
  js: []
  no_more_data: 0
  ns: "m_pages_ershoufangSearch"
```










The 'Name' column shows '?_t=1' and the 'Path' column shows '/bj/ershoufang/pg2'. The 'Headers' tab is also visible, but no headers are shown.

继续优化

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http://m.lianjia.com/bj/	54.223.35.247	200	826B	 439ms
http://s1.ljcdn.com/..._v=20161124204809634	121.12.98.146	200	13.745KB	 486ms
http://s1.ljcdn.com/..._v=20161124204809634	121.12.98.146	200	2.309KB	 400ms
http://s1.ljcdn.com/..._v=20161124204809634	121.12.98.146	200	819B	 475ms
http://s1.ljcdn.com/..._211a50099cb10v7t.js	121.12.98.146	200	14.222KB	 472ms
http://s1.ljcdn.com/..._v=20161124204809634	121.12.98.146	200	13.422KB	 472ms
http://s1.ljcdn.com/...9&version=ekm2snwb79	121.12.98.146	200	30.036KB	 472ms
http://s1.ljcdn.com/...9&version=ekm2snwb79	121.12.98.146	200	4.371KB	 472ms
http://s1.ljcdn.com/...9&version=ekm2snwb79	121.12.98.146	200	2.687KB	 472ms



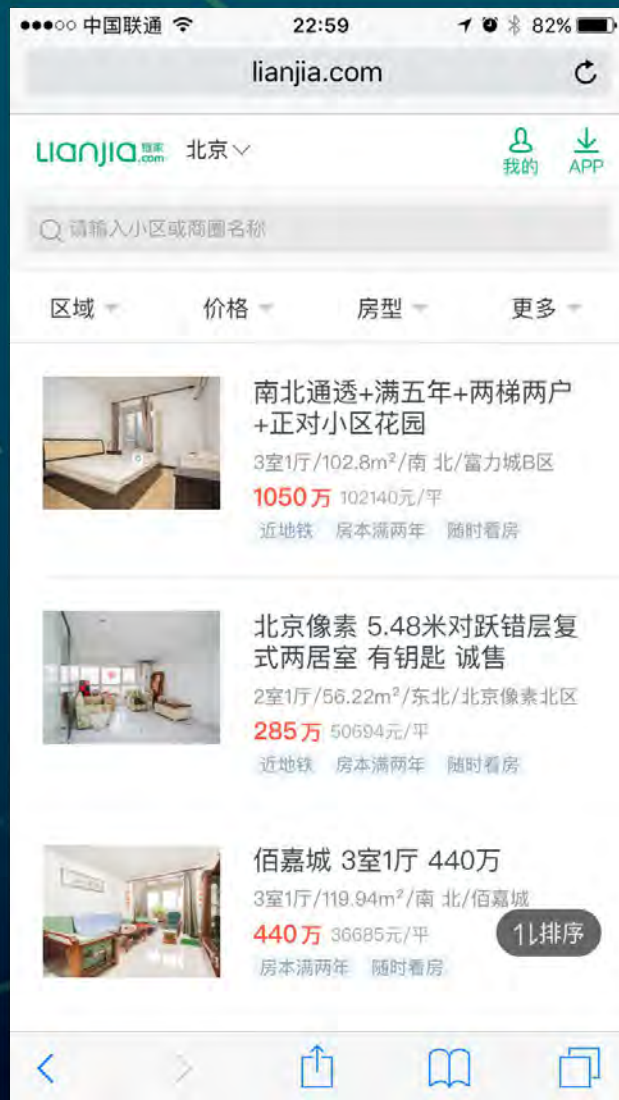
http://m.lianjia.com...stcessinlinekeyword=1	54.222.236.70	200	20.047KB	 439ms
http://s1.ljcdn.com/...9&version=ekinya9sm	113.207.31.202	200	30.037KB	 374ms
http://119.4.249.166.../www/default/base.js	119.4.249.166	200	1.524KB	 123ms
http://s1.ljcdn.com/..._211a50099cb10v7t.js	113.207.31.202	200	14.193KB	 335ms
http://s1.ljcdn.com/..._v=20161124204809634	113.207.31.202	200	13.479KB	 437ms
http://s1.ljcdn.com/...9&version=ekinya9sm	113.207.31.202	200	4.371KB	 308ms
http://s1.ljcdn.com/...9&version=ekinya9sm	113.207.31.202	200	21.785KB	 429ms
http://s1.ljcdn.com/...7&version=ekinya9sm	113.207.31.202	200	14.780KB	 417ms
http://s1.ljcdn.com/..._v=20161124204809634	113.207.31.202	200	820B	 232ms

继续优化

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预取



我们还能怎么做

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客户端预取页面

页面静态化到CDN

自动化预加载



H5和Native如何分工

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潜客 胶水 长尾 尝试

