**Pay首页性能优化**

**一、当前状况：**

根据SDO日报提供的数据，首屏载入对象个数为62个、载入字节218kb、打开时间3.121秒。后根据firebug中的net测试，第二次加载缓存的时间是2.7秒、载入字节是218k，其中188k来自缓存。

**二、优化方向**

分析当前页面载入情况现有优化方向主要分为几个方面：

1. 去除重复文件请求
2. 压缩js和css
3. 避免使用@import
4. 延迟加载部分js
5. 设置文件有效期
6. 合并图片和压缩图片
7. 减少iframe的使用

**2.1去除重复文件请求**

1、blank.png这个文件请求了多次，其中有文件放置的位置也不同

https://pay.sdo.com/NewCom//img/blank.png

https://pay.sdo.com/style/css/img/blank.png

2、top2\_New.css请求了两次，初步判断有可能是js或者是iframe载入进来。

https://www.sdo.com/css/top2\_New.css

3、star.gif载入两次，两次不同的地址。

https://pay.sdo.com/NewCom/img/star.gif

https://www.sdo.com/images/star.gif

**2.2压缩js和css**

http://pay.sdo.com/NewCom/css/style.css 压缩后可减少7kb,

https://ebinfo.sdo.com/staticpay/style/css/js/shop\_activity.js压缩后可减少 2.5KB

http://www.sdo.com/js/onekeyEx.js压缩后可减少 2.1KiB

**2.3 延迟加载js**

http://www.sdo.com/js/jquery.js (51.0KiB)

http://www.sdo.com/js/onekeyEx.js (7.6KiB)

http://www.sdo.com/home/top\_new.asp（7.1KiB 的内嵌 JavaScript）

**2.4避免使用@import**

http://www.sdo.com/css/top\_new.css 中去除top2\_new.css的引用

**2.5 设置文件有效期**

大部分文件未指定有效期（Expires）,建议除广告之外至少设置一个月的有效期，防止重复下载和请求。

文件列表：

https://ebinfo.sdo.com/staticpay/script/myajax.js

https://ebinfo.sdo.com/staticpay/script/os/snda\_os\_widget.min.js

https://ebinfo.sdo.com/staticpay/script/sdo\_beacon.js

https://ebinfo.sdo.com/staticpay/style/css/js/shop\_activity.js

https://ebinfo.sdo.com/staticpay/style/css/js/site.js

https://pay.sdo.com/Images/favicon.ico

https://pay.sdo.com/NewCom//img/blank.png

https://pay.sdo.com/NewCom/css/style.css

https://pay.sdo.com/NewCom/img/blank.png

https://pay.sdo.com/NewCom/img/dashed\_line.png

https://pay.sdo.com/NewCom/img/head\_bg\_line.png

https://pay.sdo.com/NewCom/img/head\_menu.png

https://pay.sdo.com/NewCom/img/head\_menu\_selected.png

https://pay.sdo.com/NewCom/img/head\_tab\_item\_hover.png

https://pay.sdo.com/NewCom/img/head\_tab\_selected.png

https://pay.sdo.com/NewCom/img/icon24\_clock.png

https://pay.sdo.com/NewCom/img/icon24\_note.png

https://pay.sdo.com/NewCom/img/icon24\_quickserve.png

https://pay.sdo.com/NewCom/img/icon24\_snda.png

https://pay.sdo.com/NewCom/img/icon24\_wellt.png

https://pay.sdo.com/NewCom/img/icon32\_book.png

https://pay.sdo.com/NewCom/img/icon34\_mobile.png

https://pay.sdo.com/NewCom/img/icon34\_net.png

https://pay.sdo.com/NewCom/img/icon36\_snda.png

https://pay.sdo.com/NewCom/img/icon41\_ex.png

https://pay.sdo.com/NewCom/img/icon47\_wallet.png

https://pay.sdo.com/NewCom/img/icon48\_sndapoint.png

https://pay.sdo.com/NewCom/img/icon\_shop.png

https://pay.sdo.com/NewCom/img/icon\_top.png

https://pay.sdo.com/NewCom/img/icon\_youhui.png

https://pay.sdo.com/NewCom/img/list\_disc.png

https://pay.sdo.com/NewCom/img/list\_product.png

https://pay.sdo.com/NewCom/img/panel\_all.png

https://pay.sdo.com/NewCom/img/panel\_mini\_head\_bg.png

https://pay.sdo.com/NewCom/img/product\_tabs.png

https://pay.sdo.com/NewCom/img/quick\_gamelist.png

https://pay.sdo.com/NewCom/img/quick\_query.png

https://pay.sdo.com/NewCom/img/recharge\_type\_bg.png

https://pay.sdo.com/NewCom/img/recommend\_business.png

https://pay.sdo.com/NewCom/img/star.gif

https://pay.sdo.com/NewCom/img/tjproduct\_item\_line.png

https://pay.sdo.com/NewCom/img/user\_guide.png

https://pay.sdo.com/Script/Jquery.js

https://pay.sdo.com/style/css/img/blank.png

https://pay.sdo.com/style/css/img/btn\_close.png

https://www.sdo.com/css/top2\_New.css

**2.6合并图片**

对于一些图标或者是一些提示的图片可以进行合并，合并之后再进行图片的压缩。

文件列表：

https://pay.sdo.com/NewCom/img/dashed\_line.png

https://pay.sdo.com/NewCom/img/head\_bg\_line.png

https://pay.sdo.com/NewCom/img/head\_menu\_selected.png

https://pay.sdo.com/NewCom/img/head\_tab\_item\_hover.png

https://pay.sdo.com/NewCom/img/head\_tab\_selected.png

https://pay.sdo.com/NewCom/img/icon24\_note.png

https://pay.sdo.com/NewCom/img/icon32\_book.png

https://pay.sdo.com/NewCom/img/icon34\_mobile.png

https://pay.sdo.com/NewCom/img/icon36\_snda.png

https://pay.sdo.com/NewCom/img/icon\_top.png

https://pay.sdo.com/NewCom/img/list\_disc.png

https://pay.sdo.com/NewCom/img/product\_tabs.png

https://pay.sdo.com/NewCom/img/star.gif

https://pay.sdo.com/NewCom/img/tjproduct\_item\_line.png

https://pay.sdo.com/style/css/img/blank.png

https://pay.sdo.com/style/css/img/btn\_close.png

https://www.sdo.com/images/sdoindex/btn\_yourquestion.gif

https://www.sdo.com/images/sdoindex/icon\_popclose.gif

https://www.sdo.com/images/star.gif

https://www.sdo.com/images/top/bg\_bor.gif

https://www.sdo.com/images/top/bg\_bor2.gif

https://www.sdo.com/images/top/icon\_head\_down\_arrow.gif

https://www.sdo.com/images/top/icon\_head\_down\_arrow2.gif

https://www.sdo.com/images/top/icon\_right\_arrow.gif

https://www.sdo.com/images/top/msg.png

https://www.sdo.com/images/top/sdo\_logo.png