**gperftools优化nginx(内存)**

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标签：[优化](http://blog.51cto.com/tag-%E4%BC%98%E5%8C%96.html) [gperftools](http://blog.51cto.com/tag-gperftools.html) [nginx](http://blog.51cto.com/tag-nginx.html)

原创作品，允许转载，转载时请务必以超链接形式标明文章 [原始出处](http://hacker3389.blog.51cto.com/2331801/1877306) 、作者信息和本声明。否则将追究法律责任。<http://hacker3389.blog.51cto.com/2331801/1877306>

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说明:

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| 1  2  3  4 | 操作系统:       CentOS 6.5 64bit (虚拟机)  nginx安装路径:    /data/apps/nginx  配置文件路径:     /data/apps/nginx/conf/nginx.conf  nginx源码包:     /data/softwrare/nginx-1.8.1 |

1、下载软件包

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| --- | --- |
| 1  2 | libunwind:    http://download.savannah.gnu.org/releases/libunwind/  gperftools:   https://github.com/gperftools/gperftools/releases |

2、安装libunwind

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| --- | --- |
| 1  2  3  4  5  6 | #cd /data/software  #tar -xvf libunwind-1.1.tar.gz  #cd libunwind-1.1  #CFLAGS=-fPIC ./configure --enable-shared  #make CFLAGS=-fPIC  #make CFLAGS=-fPIC install |

3、安装gperftools

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| --- | --- |
| 1  2  3  4 | #cd /data/software  #tar -xvf gperftools-2.5.tar.gz  #cd gperftools-2.5  #./configure --enable-shared && make && make install |

4、配置gperftools

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| --- | --- |
| 1  2 | #echo "/usr/local/lib" >>/etc/ld.so.conf   (注:如果先安装nginx可不运行)  #ldconfig |

5、与nginx配置编译

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| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23 | 添加--with-google\_perftools\_module参数    #cd nginx-1.8.1  #./configure --prefix=/data/apps/nginx --conf-path=/data/apps/nginx/conf/nginx.conf \  --error-log-path=/data/logs/nginxlogs/error.log \  --http-log-path=/data/logs/nginxlogs/access.log \  --pid-path=/data/apps/nginx/run/nginx.pid \  --user=website \  --group=website \  --with-http\_ssl\_module \  --with-http\_spdy\_module \  --with-http\_addition\_module \  --with-http\_sub\_module \  --with-pcre=/data/software/pcre-8.39 \  --with-zlib=/data/software/zlib-1.2.8 \  --with-openssl=/data/software/openssl-1.0.2j/ \  --http-client-body-temp-path=/data/apps/nginx/temp/client\_body\_temp \  --http-proxy-temp-path=/data/apps/nginx/temp/proxy\_temp \  --http-fastcgi-temp-path=/data/apps/nginx/temp/fastcgi\_temp \  --http-uwsgi-temp-path=/data/apps/nginx/temp/uwsgi\_temp \  --http-scgi-temp-path=/data/apps/nginx/temp/scgi\_temp \  --with-google\_perftools\_module  #make && make install |

6、配置、测试nginx

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| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14 | #vim /data/apps/nginx/conf/nginx.conf  在#pid logs/nginx.pid;增加  google\_perftools\_profiles /data/temp/tcmalloc/;    #service nginx reload    #lsof -n ｜grep tcmalloc  #lsof -i tcp:80  COMMAND   PID    USER   FD   TYPE DEVICE SIZE/OFF NODE NAME  nginx   20119    root    6u  IPv4 425316      0t0  TCP \*:http (LISTEN)  nginx   20120 website    6u  IPv4 425316      0t0  TCP \*:http (LISTEN)  nginx   20121 website    6u  IPv4 425316      0t0  TCP \*:http (LISTEN)  nginx   20122 website    6u  IPv4 425316      0t0  TCP \*:http (LISTEN)  nginx   20123 website    6u  IPv4 425316      0t0  TCP \*:http (LISTEN) |