Go语言实现 http 共享 (带 trace)

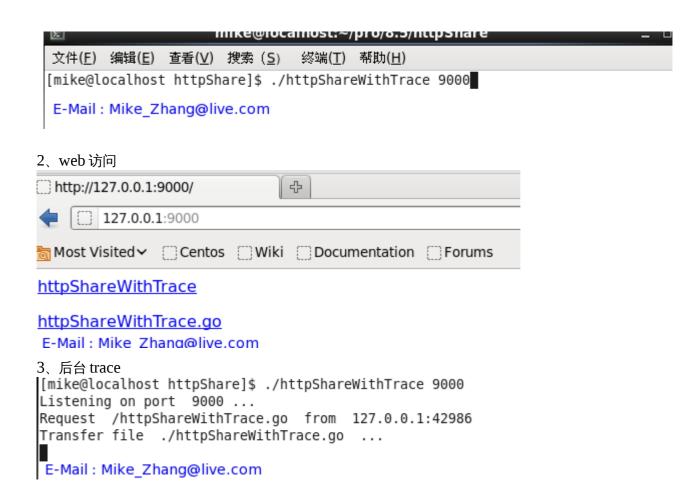
我之前有篇文章

(http://www.cnblogs.com/MikeZhang/archive/2012/03/13/httpShareGolang20120312.html) 中提到过用 Go 语言实现 http 文件共享,这个版本的程序比 python 的实现快了点,默认情况下支持的客户端多了些,但是没有客户访问的 trace,程序运行过程中,感觉像是死掉了。我想改进下,让它有 trace。

```
代码如下:
/*
File
         : httpShareWithTrace.go
Author : Mike
E-Mail : Mike Zhang@live.com
*/
package main
import(
 "fmt"
 "net/http"
 "io/ioutil"
 "log"
 "time"
 "0S"
 "strinas"
func getFilelist(path string) string {
  m files,err := ioutil.ReadDir(path)
   iferr !=nil{
         println( "Get filelist error !" )
     return ""
   varstrRet string
  for ,f := rangem files {
     // println(f.Name(),f.IsDir())
     if path == "./" {
        strRet += "<a href=\""+path+""+f.Name()
+" \">" + f.Name() + "</a>"
     }else{
        strRet += "<a href=\""+path[1:]+"/"+f.Name()
+" \">" + f.Name() + "</a>"
   return strRet
```

```
}
func Handler( w http.ResponseWriter,r *http.Request ){
   println("Request ",r.URL.Path," from ",r.RemoteAddr)
       path := r.URL.Path[1:]
   path := "." + r.URL.Path
   if path == "./favicon.ico" {http.NotFound(w,r);return}
   if path == "./" || getFilelist(path) !
= "" {fmt.Fprintf( w, "%s", getFilelist(path)); return}
   fin,err := os.Open(path)
   defer fin.Close()
   iferr != nil {fmt.Fprintf( w, "404 : Not
found" ); return}
   readLen := 1024 * 1024
   buf := make([]byte, readLen)
   startPos := 0
   println("Transfer file ",path," ... ")
   for{
      n,err := fin.ReadAt(buf,int64(startPos))
      fmt.Fprintf(w,"%s",buf[:n])
      if 0 == n || err != nil {break}
      startPos += readLen
   }
}
func main(){
   port := "8080" //Default port
   if len(os.Args)>1 { port =
strings.Join(os.Args[1:2],"")}
  http.HandleFunc( "/",Handler)
   s := &http.Server{
                      ":"+port,
     Addr:
     ReadTimeout:
                      1 * time.Hour,
     WriteTimeout: 1* time.Hour,
     MaxHeaderBytes: (1<< 31) - 1, //Max file size is
2048M
   }
   println("Listening on port ",port,"...")
   log.Fatal(s.ListenAndServe())
}
运行效果如下:
1、启动 http 文件共享
```

E-Mail: Mike_Zhang@live.com



说明:最大支持 2G 文件的下载,限时为 1 个小时,这里没有用充分使用 http 协议,直接用文件 io 做的。时间有限,这里暂时达到了预期功能,够局域网使用,这个等以后有时间了做进一步的优化。

E-Mail: <u>Mike_Zhang@live.com</u>