### **DGS-3120 SD Card Management Commands**

Step1. Command "ss" could help us find relative commands.

```
DGS-3120-24TC Gigabit Ethernet Switch
Command Line Interface
             Firmware: Build 1.01.B031
Copyright(C) 2010 D-Link Corporation. All rights reserved.
UserName:
Password:
DGS-3120-24TC:admin#ss
Available commands:
                                                   cable_diag
                                                                            config
                         change
                                                   clear
                         create
dir
                                                   debug
                                                                            del
                                                                            download
                                                   disable
                         erase
md
                                                                             login
enable
                                                   format
logout
                                                   move
                                                                            no
                         ping6
                                                                            reboot
ping
                                                   rd
reconfig
                                                                            save
                                                   reset
                         rename
                         telnet
                                                                            traceroute6
                                                   traceroute
show
upload
DGS-3120-24TC:admin#
```

### Step2. Insert SD card, then you will find it shown as drive D.

```
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
                      Attr Size
Idx Info
                                                 Update Time
                                                                                        Name
                      -rw- 5464952
-rw- 5467716
-rw- 5458840
-rw- 5469208
-rw- 27145
d--- 0
                                                 2010/12/20 18:50:21 DGS3120_Run_1_01_B24.had
2011/01/06 18:31:53 DGS3120_Run_1_01_027.had
2010/12/07 18:35:21 DGS3120_Run_1_00_026.had
2011/02/21 10:49:50 DGS3120_Run_1_01_B031.had
2011/02/21 11:06:41 config.cfg
2011/02/21 11:07:34 system
       RUN
       RUN(b)
      RUN
      RUN(*)
CFG(*)
29618 KB total (8140 KB free)
(*) -with boot up info
                                                             (b) -with backup info
DGS-3120-24TC admin#
DGS-3120-24TC:admin#dir d:
Command: dir d:
Directory of /d:
No file or directory under /d:
2027124 KB total (2027092 KB free)
(*) -with boot up info (b) -with backup info
DGS-3120-24TC:admin#
```

### Step3. Copy F/W\_R1.01.27 from current drive C to SD card drive D.

```
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
Idx Info
                  Attr Size
                                         Update Time
                                                                         Name
                  -rw- 5464952 2010/12/20 18:50:21 DGS3120_Run_1_01_B24.had

-rw- 5467716 2011/01/06 18:31:53 DGS3120_Run_1_01_027.had

-rw- 5458840 2010/12/07 18:35:21 DGS3120_Run_1_00_026.had

-rw- 5469208 2011/02/21 10:49:50 DGS3120_Run_1_01_B031.had

-rw- 27145 2011/02/21 11:06:41 config.cfg

d--- 0 2011/02/21 11:07:34 system
   1 RIIN
     RUN(b) -rw- 5464932
RUN(b) -rw- 5458840
RUN(*) -rw- 5469208
CFG(*) -rw- 27145
d--- 0
  2 RUNG
3 RUN
29618 KB total (8140 KB free)
(*) -with boot up info
                                                  (b) -with backup info
DGS-3120-24TC:admin*copy c: DGS3120_Run_1_01_027.had d: DGS3120_Run_1_01_027.had
Command: copy c: DGS3120_Run_1_01_027.had d: DGS3120_Run_1_01_027.had
 Copying..... Done!
DGS-3120-24TC:admin#dir d:
Command: dir d:
Directory of /d:
                  Attr Size
Idx Info
                                        Update Time
                                                                         Name
                  -rw- 5467716 2011/02/21 11:27:12 DGS3120_Run_1_01_027.had
2027124 KB total (2021752 KB free)
(*) -with boot up info (b) -with backup info
DGS-3120-24TC:admin#
```

## Step4. Change boot\_up F/W from current one stored in drive C to the one stored in drive D.

#### Step5. Confirm boot\_up F/W was changed indeed.

```
DGS-3120-24TC:admin#dir d:
Command: dir d:
Directory of /d:
Idx Info Attr Size Update Time
                                                               Name
1 RUN(*) -rw- 5467716 2011/02/21 11:27:12 DG53120_Run_1_01_027.had
2027124 KB total (2021752 KB free)
(*) -with boot up info (b) -with backup info
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
                                Update Time
Idx Info Attr Size
  1 RUN -rw- 5464952 2010/12/20 18:50:21 DGS3120_Run_1_01_B24.had
2 RUN -rw- 5467716 2011/01/06 18:31:53 DGS3120_Run_1_01_027.had
2 RUN -rw- 5458840 2010/42/07 18:25:21 DGS3120_Run_1_00_026.had
 4 RUN(b) -rw- 5469208 2011/02/21 10:49:50 DGS3120_RUN_1_01_B031.had
  5 CFG(°) -rw- 27145 2011/02/21 11.00.41 config.cfg
6 d--- 0 2011/02/21 11:07:34 system
29618 KB total (8139 KB free)
(*) -with boot up info
                                           (b) -with backup info
DGS-3120-24TC:admin#
```

#### After reboot.

```
DGS-3120-24TC Gigabit Ethernet switch
Command Line Interface
                  Firmware: Build 1.01.027
Copyright(C) 2010 D-Link Corporacion. All rights reserved.
UserName:
PassWord:
DGS-3120-24TC:admin#dir d:
Command: dir d:
Directory of /d:
Idx Info Attr Size
                                          Update Time
                                                                              Name
  1 RUN(*) -rw- 5467716 2011/02/21 11:27:12 DG53120_Run_1_01_027.had
2027124 KB total (2021752 KB free)
(*) -with boot up info (b) -with backup info
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
Idx Info Attr Size
                                         Update Time
                                                                              Name
                                            2010/12/20 18:50:21 DGS3120_Run_1_01_B24.had
2011/01/06 18:31:53 DGS3120_Run_1_01_027.had
2010/12/07 18:35:21 DGS3120_Run_1_00_026.had
2011/02/21 10:49:50 DGS3120_Run_1_00_026.had
2011/02/21 11:06:41 config.cfg
2011/02/21 11:41:59 system
     RUN -rw- 5464952
RUN -rw- 5467716
RUN -rw- 5458840
RUN(b) -rw- 5469208
CFG(*) -rw- 27145
d-- 0
29618 KB total (8139 KB free)
(*) -with boot up info
                                                      (b) -with backup info
DGS-3120-24TC:admin#
```

# Step6. Copy configuration file "config.cfg" stored in drive C to drive D and named as "test.cfg".

```
DGS-3120-24TC:admin#dir d:
Command: dir d:
Directory of /d:
Idx Info Attr Size
                                        Update Time
  1 RUN(*) -rw- 5467716 2011/02/21 11:27:12 DGS3120_Run_1_01_027.had
2027124 KB total (2021752 KB free)
(*) -with boot up info (b) -with backup info
DGS-3120-24TC:admin#
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
                  Attr Size
Idx Info
                                        Update Time
                                                                        Name
  1 CFG(*)
2 RUN
3 RUN
4 RUN
5 RUN(b)
                 -rw- 27145
-rw- 5464952
-rw- 5467716
-rw- 5458840
-rw- 5469208
                                        2011/02/21 11:45:51 config.cfg
2010/12/20 18:50:21 DGS3120_Run_1_01_B24.had
2011/01/06 18:31:53 DGS3120_Run_1_01_027.had
2010/12/07 18:35:21 DGS3120_Run_1_00_026.had
2011/02/21 10:49:50 DGS3120_Run_1_01_B031.had
2011/02/21 11:41:59 system
                       -- 0
29618 KB total (8140 KB free)
(*) -with boot up info
                                                  (b) -with backup info
DGS-3120-24TC:admin#copy c: config.cfg d: test.cfg
Command: copy c: config.crg d: test.crg
 Copying..... Done!
DGS-3120-24TC:admin#
DGS-3120-24TC:admin#dir d:
Command: dir d:
Directory of /d:
Idx Info
                  Attr Size
                                        Update Time
                                                                        Name
  1 RIIN(*) -rw- 5467716 2011/02/21 11:27:12 DGS3120 Run_1_01_027.had
 2 -rw- 27145 2011/02/21 11:47:58 TEST.CFG
2027124 KB total (2021724 KB free)
(*) -with boot up info (b) -with backup info
```

Step7. Change boot\_up configuration from current one "config.cfg" stored in drive C to "test.cfg" stored in drive D.

```
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
Idx Info
                 Attr Size
                                      Update Time
                                                                    Name
  1 CFG(*) -rw- 27145
                                      2011/02/21 11:45:51 config.cfg
                                      2010/12/20 18:30:21 DGS3120_Kun_1_01_B24.had
2011/01/06 18:31:53 DGS3120_Run_1_01_027.had
2010/12/07 18:35:21 DGS3120_Run_1_00_026.had
2011/02/21 10:49:50 DGS3120_Run_1_01_B031.had
2011/02/21 11:41:59 system
                 -rw- 5464932
-rw- 5467716
-rw- 5458840
-rw- 5469208
     RUN
     RUN
     RUN(b)
                        0
29618 KB total (8140 KB free)
(*) -with boot up info
                                                (b) -with backup info
DGS-3120-24TC:admin#dir d:
Command: dir d:
Directory of /d:
Idx Info
                  Attr Size
                                      Update Time
                                                                    Name
                                      2011/02/21 11:27:12 DGS3120_Run_1_01_027.had 2011/02/21 11:47:58 TEST.CFG
     RUN(*) -rw- 5467716
-rw- 27145
2027124 KB total (2021724 KB free)
(*) -with boot up info (b) -with backup info
DGS-3120-24TC:admin#config configuration d:/TEST.CFG boot_up
Command: config configuration d:/TEST.CFG boot_up
Success.
DGS-3120-24TC:admin#dir d:
Command: dir d:
Directory of /d:
Idx Info
                  Attr Size
                                       Update Time
                                                                     Name
 1 RUN(*) -rw- 5467716 2011/02/21 11:27:12 DGS3120 Run 1 01 027.had
 2 CFG(*) -rw- 27145 2011/02/21 11:47:58 TEST.CFG
2027124 KB total (2021724 KB free)
(*) -with boot up info (b
                                                (b) -with backup info
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
Idx Info
                 Attr Size
                                       Update Time
                                                                     Name
  1 CFG(b) -rw- 27145
                                       2011/02/21 11:45:51 config.cfg
                                                                                         _01_B24.had
                  -rw- 5464952
-rw- 5467716
-rw- 5458840
                                       Z010/12/20 18:50:21 DGSS1Z0_Kūn_1_01_B24.had

2011/01/06 18:31:53 DGS3120_Run_1_01_027.had

2010/12/07 18:35:21 DGS3120_Run_1_00_026.had

2011/02/21 10:49:50 DGS3120_Run_1_01_B031.had

2011/02/21 11:41:59 system
     RUN
     RIIN
                  -rw- 5469208
     RUN(b)
29618 KB total (8139 KB free)
                                                (b) -with backup info
(*) -with boot up info
DGS-3120-24TC:admin#
```

It will take effect after reboot.

## Appendix.

#1. Delete designate file from designate drive.

```
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
Idx Info
                    Attr Size
                                            Update Time
                                                                              Name
                            27145
5464952
                                            2011/02/21 11:45:51 config.cfg
2010/12/20 18:50:21 DGS3120_Run_1_01_B24.had
2011/01/06 18:31:53 DGS3120 Run 1 01 027.had
      CFG(b)
   2 RUN
3 RUN
                 -rw- 5458840 2010/12/07 18:35:21 DGS3120_Run_1_00_026.had
 4 RUN
                                            2011/02/21 10:49:50 DGS3120_Run_1_01_B031.naŭ
2011/02/21 11:41:59 system
29618 KB total (8139 KB free)
(*) -with boot up info
                                                      (b) -with backup info
DGS-3120-24TC:admin#
DGS-3120-24TC:admin#del c:/DGS3120_Run_1_00_026.had
Command: del c:/DGS3120_Run_1_00_026.had
Success.
DGS-3120-24TC:admin#
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
Idx Info
                    Attr Size
                                            Update Time
                                                                              Name
                                            2011/02/21 11:45:51 config
2010/12/20 18:50:21 DGS3120
2011/01/06 18:31:53 DGS3120
2011/02/21 10:49:50 DGS3120
2011/02/21 11:41:59 system
                                                                             config.cfg
DGS3120_Run_1_01_B24.had
DGS3120_Run_1_01_027.had
DGS3120_Run_1_01_B031.had
      CFG(b)
      RUN
      RUN
      RUN(b)
                             5469208
29618 KB total (13471 KB free)
(*) -with boot up info
                                                      (b) -with backup info
DGS-3120-24TC:admin#
```

Please notice that the command is "del", not "delete". F/W R1.00.026 disappeared from drive C.

#2. Copy F/W R1.01.027 from SD card back to drive C and named as "abc.had".

```
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
Idx Info
                    Attr Size
                                            Update Time
                                                                                Name
     CFG(b) -rw- 27145
RUN -rw- 5464952
RUN -rw- 5467716
RUN(b) -rw- 5469208
d--- 0
                                            2011/02/21 11:45:51 config.cfg
2010/12/20 18:50:21 DGS3120_Run_1_01_B24.had
2011/01/06 18:31:53 DGS3120_Run_1_01_027.had
2011/02/21 10:49:50 DGS3120_Run_1_01_B031.had
2011/02/21 11:41:59 system
29618 KB total (13471 KB free)
(*) -with boot up info
                                                       (b) -with backup info
DGS-3120-24TC:admin#
DGS-3120-24TC:admin#dir d:
Command: dir d:
Directory of /d:
Idx Info
                    Attr Size
                                            Update Time
                                                                               Name
      RUN(*) -rw- 5467716 2011/02/21 11:27:12 DGS3120_Run_1_01_027.had CFG(*) -rw- 27145 2011/02/21 11:47:58 TEST.CFG
2027124 KB total (2021724 KB free)
(*) -with boot up info (b) -with backup info
DGS-3120-24TC:admin#copy d:/DGS3120_Run_1_01_027.had c:/abc.had
Command: copy d:/DGS3120_Run_1_01_027.had c:/abc.had
 DG5-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
Idx Info Attr Size
                                            Update Time
 1 RUN(b) -rw- 5467716 2011/02/21 12:01:55 abc.had
                                            2011/02/21 11:45:31 CUNFIG.CFG
2010/12/20 18:50:21 DGS3120_Run_1_01_B24.had
2011/01/06 18:31:53 DGS3120_Run_1_01_027.had
2011/02/21 10:49:50 DGS3120_Run_1_01_B031.had
      CFG(D)
RUN
                    -rw- 27145
-rw- 5464952
                    -rw- 5467716
-rw- 5469208
   4 RUN
5 RUN
```

#3. Copy configuration file "test.cfg" from SD card back to drive C and named as "testtest.cfg".

```
DGS-3120-24TC:admin#copy d:/test.cfg c:/testtest.cfg
Command: copy d:/test.cfg c:/testtest.cfg
 Copying..... Done!
DGS-3120-24TC:admin#dir c:
Command: dir c:
Directory of /c:
Idx Info
                    Attr Size
                                            Update Time
                                                                               Name
 1 CFG(b) -rw- 27145 2011/02/21 12:06:18 testtest.cfg
                                            2011/02/21 12:00:18 testtest.crg
2011/02/21 12:01:33 abc.nad
2011/02/21 11:45:51 config.cfg
2010/12/20 18:50:21 DGS3120_Run_1_01_B24.had
2011/01/06 18:31:53 DGS3120_Run_1_01_027.had
2011/02/21 10:49:50 DGS3120_Run_1_01_B031.had
2011/02/21 11:41:59 system
      CFG
      RUN
      RUN
      RUN
29618 KB total (8102 KB free)
(*) -with boot up info
                                                       (b) -with backup info
DGS-3120-24TC:admin#
```