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
del
                                                      clear
debug
disable
                           change
                           create
dir
                                                                                  download
login
                           erase
md
enable
                                                      format
loqout
                                                                                  no
                                                      move
                           ping6
                                                                                  reboot
ping
                                                      rd
reconfig
                                                      reset
                                                                                  save
                           rename
                           telnet
                                                      traceroute
                                                                                  traceroute6
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
                               5464952
5467716
5458840
5469208
27145
                                                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 кв total (2027092 кв 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 RUN
     RUN -rw- 54647912

RUN(b) -rw- 5467716

RUN -rw- 5458840

RUN(*) -rw- 5469208

CFG(*) -rw- 27145

d--- 0
     RUN(*)
CFG(*)
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:
Idx Info
                  Attr Size
                                      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 DGS3120_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
  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
 4 RUN(b) -rw- 5469208 2011/02/21 10:49:50 DGS3120_Run_1_01_B031.had
 5 CFG(") - W- 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.

```
Boot Procedure V1.00.009

Power On Self Test 100 %

MAC Address : 1C-AF-F7-30-C9-E6
H/W Version : Al

Please Wait, Loading V1.01.027 Runtime Image 100 %
UART init 100 %
Starting runtime image
```

```
DGS-3120-24TC Gigabit Ethernet Switch
Command Line Interface
                 Firmware: Build 1.01.027
Copyright(C) 2010 D-Link Corporation. 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 DGS3120_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_01_B031.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:
Idx Info
                  Attr Size
                                        Update Time
                                                                        Name
                                        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
  1 CFG(*)
2 RUN
3 RUN
4 RUN
5 RUN(b)
                  -rw- 27145
-rw- 5464952
-rw- 5467716
-rw- 5458840
                  -rw-
                          5469208
29618 кв total (8140 кв free)
(*) -with boot up info
                                                  (b) -with backup info
DGS-3120-24TC:admin#<mark>copy c: config.cfg d: test.cfg</mark>
Command: copy c: config.cfg d: test.cfg
 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
                                          2011/02/21 11:45:51 config.cfg
  1 CFG(*) -rw- 27145
                                          2010/12/20 18:50:21 DGSS120_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
                   -rw- 5464932
-rw- 5467716
-rw- 5458840
-rw- 5469208
      RUN
      RUN
      RUN(b)
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
      RUN(*)
                  -rw- 5467716
-rw- 27145
                                          2011/02/21 11:27:12 DGS3120_Run_1_01_027.had 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#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
 1 CFG(b) -rw- 27145
                                   2011/02/21 11:45:51 config.cfg
                                                                                 _01_B24.had
                                   Z010/12/20 18:50:21 DGS31Z0_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
                -rw- 3464932
-rw- 5467716
-rw- 5458840
     RUN
     RUN
                -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
5467716
                                             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)
                    -rw-
     RUN
                  -rw- 5458840 2010/12/07 18:35:21 DGS3120_Run_1_00_026.had
  4 RUN
                                             ZULL/UZ/ZL 10:49:50 DG531ZU_RUN_1_UL_BU31.Nau
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
                    -rw- 27145
-rw- 5464952
-rw- 5467716
-rw- 5469208
                                                                                config.cfg
DGS3120_Run_1_01_B24.had
DGS3120_Run_1_01_027.had
DGS3120_Run_1_01_B031.had
      CFG(b)
      RUN(b)
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
                                           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
                            27145
5464952
5467716
                   -rw-
      CFG(b)
      RUN
      RUN
      RUN(b)
                            5469208
0
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:
                   Attr Size
Idx Info
                                           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
CFG(*) -rw- 27145
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
 Copying..... Done!
DGS-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 11:45:51 coming.crg
2010/12/20 18:50:21 DG53120_Run_1_01_B24.had
2011/01/06 18:31:53 DG53120_Run_1_01_027.had
2011/02/21 10:49:50 DG53120_Run_1_01_B031.had
     CFG(D)
                   -rw- 2/145
-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.had
2011/02/21 11:45:51 config.cfg
2010/12/20 18:50:21 pgs3120_Run_1_01_B24.had
2011/01/06 18:31:53 pgs3120_Run_1_01_027.had
2011/02/21 10:49:50 pgs3120_Run_1_01_B031.had
2011/02/21 11:41:59 system
                             346//16
27145
5464952
     CFG
RUN
      RUN
                             5469208
      RUN
29618 KB total (8102 KB free)
(*) -with boot up info
                                                        (b) -with backup info
DGS-3120-24TC:admin#
```