

## *How to upgrade the firmware for DES-3326?*

1. Enable the TFTP server, and make sure DES-3326 and TFTP server are allocated on the same IP segment. Please PING the DES-3326 from TFTP server first.
2. Highlight Utilities from the DES-3326's Main Menu and press enter.

```
DES-3326 Local Management                                Layer 3 Switch
-----
Main Menu

Basic Setup:
Switch Information
Remote Management Setup
Switch Settings
Configure Ports
Setup User Accounts
Serial Port Settings
Utilities
Network Monitoring
Save Changes
Reboot
Logout

Advanced Setup:
Spanning Tree
Forwarding
Filtering
Priority
Mirroring
Multicasting
VLANs
Link Aggregation
Layer 3 IP Networking

*****
Function:Setup switch utilities.
Message:
For Help, press F1
```

3. Highlight Upgrade Firmware from TFTP Server, and press enter.

```
Switch Utilities                                Layer 3 Switch
-----

Switch Settings:

Server IP Address: 0.0.0.0
Switch IP Address: 10.90.90.90
Subnet Mask: 255.0.0.0
Gateway Router: 0.0.0.0

TFTP Services:
Upgrade Firmware from TFTP Server
Use Configuration File on TFTP Server
Save Settings to TFTP Server
Save History Log to TFTP Server

Others:
Ping Test
BOOTP/DHCP Relay
DNS Relay

*****
Function:Upgrade firmware from TFTP server.
Message:
CTRL+F = Root screen      Esc=Prev. screen      CTRL+R = Refresh
```

4. Enter the IP address of the TFTP server in the Server IP Address field, and enter the path and the filename to the firmware file on the TFTP server. Highlight **APPLY** and press enter to record the IP address of the TFTP server.

```
Upgrade Firmware                                     Layer 3 Switch
-----
Server IP Address: [10.41.52.20   ]
Path\Filename: [f:\des3326.129   ] APPLY
START
-----
*****
Function: Apply the settings.
Message: All changes applied!
CTRL+T = Root screen      Esc=Prev. screen      CTRL+R = Refresh
```

5. Highlight **START** and press enter to initiate the file transfer.

```
Upgrade Firmware                                     Layer 3 Switch
-----
Server IP Address: [10.41.52.20   ]
Path\Filename: [f:\des3326.129   ] APPLY
START
-----
Connect to server... done.
Download firmware: 31%_
-----
*****
Function: Start firmware upgrade (Press any key to stop).
Message:
CTRL+T = Root screen      Esc=Prev. screen      CTRL+R = Refresh
```

6. When you finish the firmware upgrading, you should see the following screen:

Upgrade Firmware		Layer 3 Switch
<hr/>		
Server IP Address: [10.41.52.20	]	
Path\Filename: [f:\des3326.129	]	APPLY
<b>START</b>		
<hr/>		
Connect to server.... done.		
Download firmware: 100% Completed.		
Please wait, Program Firmware...		
<hr/>		
*****		
Function:DO NOT POWER OFF!!!		
Message:		
CTRL+T = Root screen      Esc=Prev. screen      CTRL+R = Refresh		