

created bv: Rainer Bemsel - Version 1.0 - Dated: Dec/12/2003

The purpose of this document is to outline the necessary steps to upgrade a FortiGate FTG-50R from version 2.36 to 2.50. First you have to download the proper firmware from <u>http://support.fortinet.com</u>

Secondly, you have to find a TFTP Server, you can use. I've done a technical tip on Solarwinds TFTP Server, where you can also find a link to download a free TFTP Server.

http://www.bemsel.com/TechTip/SolarWinds/solarwinds.html

Here's my layout, I run on my Home Lab.



You can also run the upgrade via cross-over cable to the internal interface of the FortiGate, as shown below with a FortiGate-500.

I was using default internal IP Address of FortiGate 500 and TFTP Server was running on 192.168.1.2.



Make sure your TFTP Server can reach FortiGate and vice versa.

1. PING: 192.168.1.99

DISCLAIMER

2. HTTPS://192.168.1.99 - You should get FortiGate Login



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Next will be the verification, weather TFTP is running.



Copy the new FortiGate Image File into the Root-Directory

TFTP Server Configuration
TFTP Root Directory Security Advanced Security Auto-Close Log
🗇 c: [SYSTEM]
G C \
TFTP-Root
FGT_50R-v250-build133-FORTINET.out
Cancel Help
CTATUTION

Switch Expert





If you are upgrading a production FortiGate, you have to backup latest configuration. Also, you have to upgrade Anti-Virus & Attack Definitions after Firmware Upgrade has been done.

To do so, logon and backup from SYSTEM PAGE

Firmware Version:	Fortigate-50 2.36,build073,030514		
Antivirus Definitions Version:	4.183(12/20/2003 11:00)		
Attack Definitions Version:	1.73(12/19/2003 13:10)		
Serial Number:	FGT-502803032284		
System Settings:	Backup Restore Restore Factory Defaults		
Operation Mode:	Change to Transparent Mode		
System:	Restart Shutdown		

Not connect to FTG-50R using Telnet or local Terminal. Make a note of the running Firmware Revision. In this case, my FTG is running 2.36, build 073, 030514

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One last test to performed, to make sure, FortiGate can establish connection to TFTP Server. Run execute ping on console.





Now, FTG is ready to be upgraded. To do so, type

execute restore image FGT_50R-v250-build133-FORTINET.out <TFTP Server's IP Address>



The System will reboot.





This was in some simple steps the upgrade to a new firmware revision. Of course, you can use Web Interface for upgrading as well.



Web Interface Upgrade:

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System • Firewall • User • VPN • NIDS • Anti-Virus • Web Filter • Log&Report	FortiGate - 50 Name: Password: Lorgin	
Done		

On the system status page click on 🖾 and browse to the proper firmware image.

Suctor	Restart Shutdown		
Operation Mode:	Change to Transparent Mode		
System Settings:	<u>Backup</u> <u>Restore</u>	Restore Factory Defaults	
Serial Number:	FGT-502803032284		
Attack Definitions Version:	1.73(12/19/200	3 13:10) 📃	
Antivirus Definitions Version:	4.183(12/20/20	03 11:00) 🔛	
Firmware Version:	Fortigate-50 2.36	i,build073,030514 🛛 💹	

Once the file has been added, click on OK.



Again, the system will reboot, so it will take a while before you can logon again.



NOTE: Don't forget to upgrade Anti-Virus & Attack Signatures.

