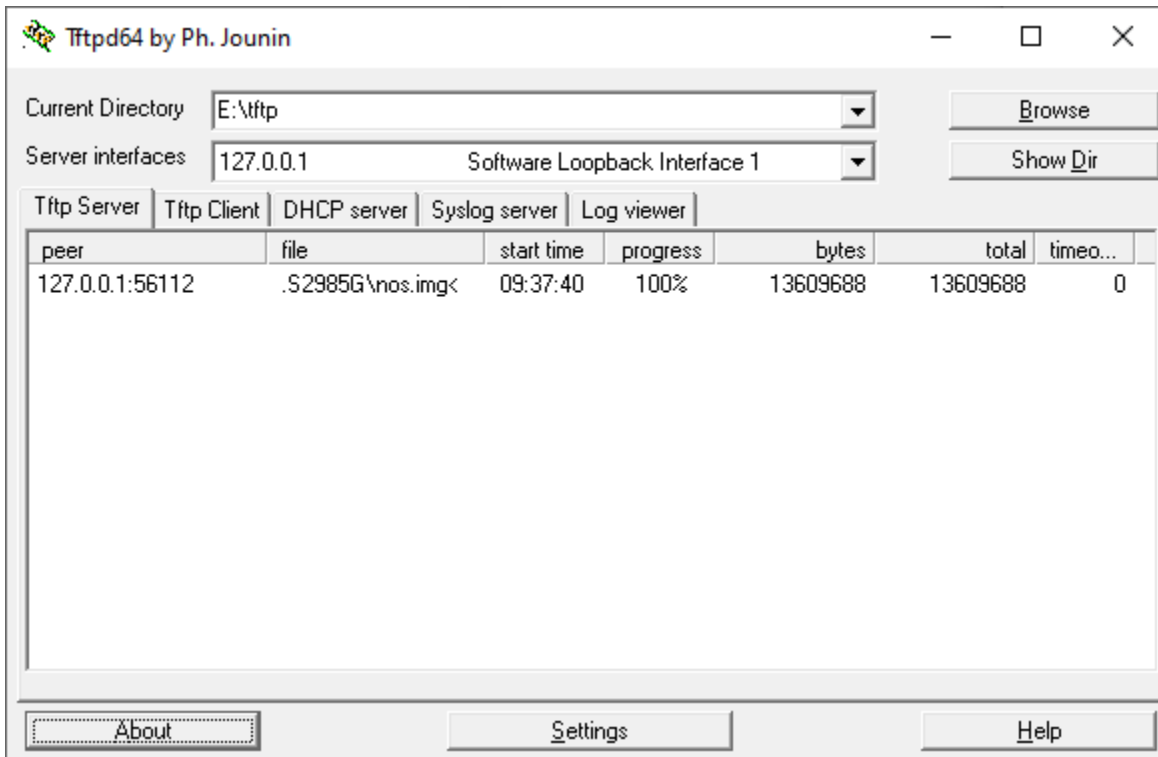


# SNR

- - boot.rom nos.img TFTP-
  - boot.rom nos.img FTP-
  - boot.rom nos.img USB-flash
  - 
  - ( , HA)
  - NOS HTTP
- TFTP/FTP-
- nandflash mmc
- Boot-
- 
- 
- boot-
- boot-

. Boot- NOS, . TFTP-, , portable-



**i !**  
 readme.txt, , "" boot.rom, .

## boot.rom nos.img TFTP-

Boot-:

```
SNR-S2985G-8T-POE#copy tftp://192.168.1.3/S2985G/boot.rom boot.rom
```

NOS:

```
SNR-S2985G-8T-POE#copy tftp://192.168.1.3/S2985G/nos.img nos.img
```

SNR-S2985G-8T-POE#show version

### boot.rom nos.img FTP-

Boot:

```
SNR-S2985G-8T-POE#copy ftp://nag:nag192.168.1.3/S2985G/boot.rom boot.rom
```

NOS:

```
SNR-S2985G-8T-POE#copy ftp://nag:nag@192.168.1.3/S2985G/nos.img nos.img
```

### boot.rom nos.img USB-flash

:

```
SNR-S2995G-24FX#dir usb:
```

Boot:

```
SNR-S2995G-24FX#copy usb:/S2995G/boot.rom boot.rom
```

NOS:

```
SNR-S2995G-24FX#copy usb:/S2995G/nos.img nos.img
```

, :

```
SNR-S2995G-24FX#copy tftp://10.10.10.10/nos.img member-10#nos.img  
SNR-S2995G-24FX#copy tftp://10.10.10.10/nos.img member-11#nos.img
```

"reload" AM (Active Master)



- VSF
- nandflash , "flash:" ( ), , , : member-1#nandflash:nos.img

### ( , HA)

, HA- (High Availability, "show ha state" ), .



- VSF, ReadMe , , \_.
- Split Brain, AM.
- Changelog, , VSF
- ,

:

:

```
copy tftp://a.b.c.d/nos.img member-1#nos.img  
copy tftp://a.b.c.d/nos.img member-2#nos.img
```

AM:

```
force switchover
```

— AM "" SM , SM "" AM .

```
AM SM . AM.  
AM, HA "AM_REALT"( , ) :
```

```
show ha state
```

"AM\_REALT", AM :

```
force switchover
```

— AM "" SM , SM "" AM .

AM , , .

## NOS HTTP

NOS - TFTP/FTP-. Boot- . . .

- Switch basic configuration -> Firmware update -> HTTP service
- Switch basic configuration -> Switch basic configuration -> Save current running-configuration

The screenshot shows a configuration tree on the left with 'HTTP service' selected. The main area displays the 'HTTP service' configuration window with the following fields:

File	Обзор...	S2985.img
Local file name	nos.img	
File type	Img file	

An 'Apply' button is located at the bottom right of the configuration window. Below it, an 'Information feedback window' displays the following text:

```
File name is nos.img, file size is 12874335(bytes).  
Begin to write local file, please wait...  
Write ok.
```

## TFTP/FTP-

SNR , TFTP FTP-.

TFTP-:

```
SNR-S2995G-24FX(config)#tftp-server enable
```

FTP-:

```
SNR-S2995G-24FX(config)#ftp-server enable
```

FTP:

```
SNR-S2995G-24FX(config)#ip ftp username nag password nag
```

## nandflash mmc

```
SNR nandflash mmc, .
```

```
(Flash, nandflash, mmc) :
```

```
SNR-S2995G-24FX#dir all
```

```
nandflash:
```

```
SNR-S2995G-24FX#dir nandflash:
```

```
nandflash:
```

```
SNR-S2995G-24FX#copy tftp://192.168.1.3/S2995G/SNR-S2995G-12(24_48)FX(TX)_7.5.3.2(R0004.0241)_nos.img nandflash:  
SNR-S2995G-12(24_48)FX(TX)_7.5.3.2(R0004.0241)_nos.img
```

```
nandflash:
```

```
SNR-S2995G-24FX#delete nandflash:nos0154.img
```

```
mmc:
```

```
SNR-S4350X-24FC#dir mmc:
```

```
mmc:
```

```
SNR-S4350X-24FC#copy tftp://192.168.1.3/SNR-S4350X-24(48)FC_V707R301C011.img mmc:nos.img
```

```
mmc:
```

```
SNR-S4350X-24FC#delete mmc:nos.img
```

## Boot-

```
'format flash:', Boot-
```

```
MGMT-, . , 1-
```



```
SNR-S2989G-24TX ( SNR-S2989 MGMT-) USB-flash. FAT.
```

```
[Boot]: run usb:/nos.img
```

```
USB-flash, flash - copy usb:/nos.img nos.img  
Boot- USB "dir usb:", Boot , USB- , USB-, , Boot- .
```

```
Boot- Ctrl+b .
```

```
:
```

```
[Boot]: showconfig  
Host IP Address: 10.1.1.1  
Server IP Address: 10.1.1.2
```

:

```
[Boot]: setconfig
Host IP Address: [10.1.1.1] 192.168.1.1
Server IP Address: [10.1.1.2] 192.168.1.3
```

'ping':

```
[Boot]: ping 192.168.1.3
```

TFTP-:

```
[Boot]: run tftp:S2985G/nos.img
```

, 'copy':

```
copy tftp://192.168.1.3/S2985G/nos.img nos.img
```



Boot- nos.img 'write' !

Boot- boot.rom. .

boot.rom:

```
[Boot]: load S2985G/boot.rom
```

:

```
[Boot]: write boot.rom
```



readme boot.rom, !

SNR nos.img , , .

```
SNR-S2985G-8T-POE#boot img nos.img primary
flash:/nos.img will be used as the primary img file at the next time!
```

```
SNR-S2985G-8T-POE#boot img 221.img backup
flash:/221.img will be used as the backup img file at the next time!
```

:

```
SNR-S2985G-8T-POE#show boot-files
Booted files on switch
The primary img file at the next boot time:      flash:/nos.img
The backup img file at the next boot time:      flash:/221.img
Current booted img file:                        flash:/nos.img

The startup-config file at the next boot time:  NULL
Current booted startup-config file:            NULL
```

(, ). :

```
Switch(licence)>
```

[support.nag.ru](http://support.nag.ru) 'show version'. . 'license', ..

```
License is valid,now system will start!
Switch>
Registration is successful.
Switch>
```

## boot-

```
[Boot]: boot startup-config null
[Boot]: run
```



TFTP- ( !).

## boot-

boot- -:

```
[Boot]: setbootpassword
Password:****
Confirm Password:****
2816 bytes written, 0 bytes skipped

Password has been set successfully!

[Boot]: nobootpassword
2816 bytes written, 0 bytes skipped
The boot password has been removed successfully!
```

config-mode:

```
Switch(config)#set boot password
New password :****
Confirm password :****
Set password success!
Switch(config)#no set boot password
Old password :****
Delete password success!
```



!

boot-

,

!