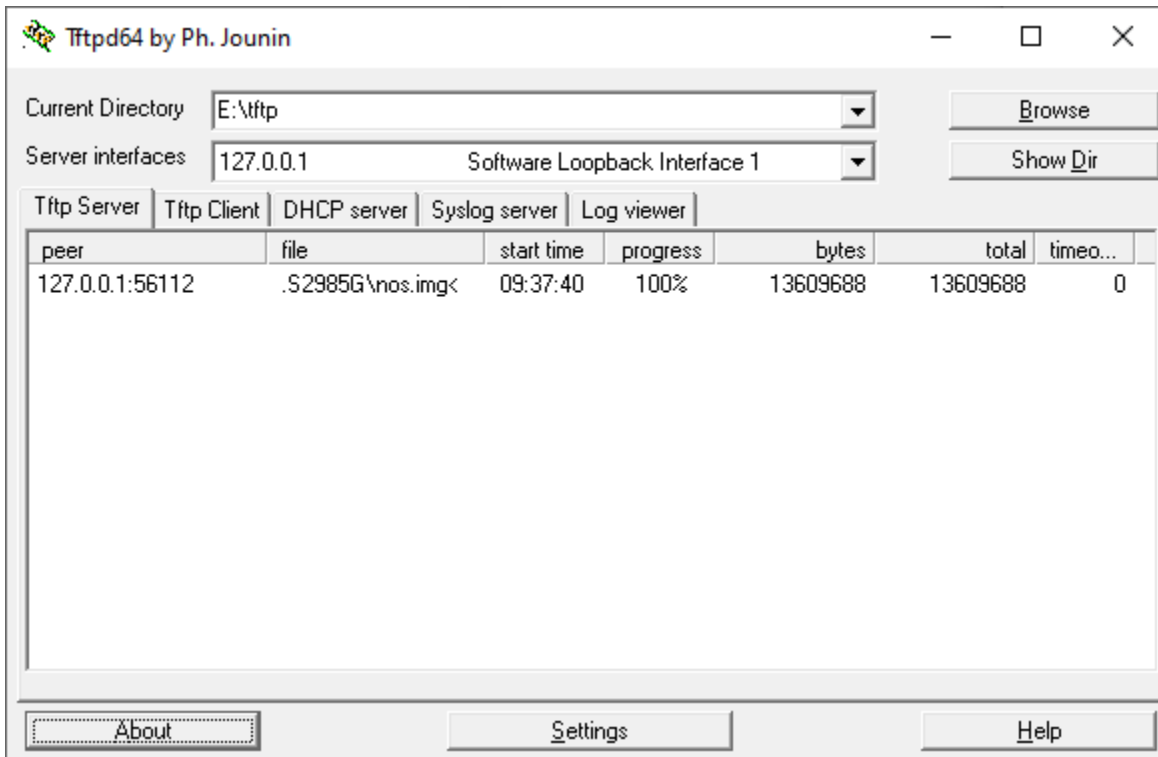


SNR

- - 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. On the right, the 'HTTP service' configuration window is open, showing 'File' set to 'Обзор... S2985.img', 'Local file name' as 'nos.img', and 'File type' as 'Img file'. Below it, an 'Information feedback window' displays the message: '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 '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- , !