

[Topology]:

PC(10.90.90.101)----Switch (10.90.90.90)

Upload the configuration (Ok)

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.1.2.18.1.1.3.3 a 10.90.90.101
1.3.6.1.4.1.171.12.1.2.18.1.1.5.3 s Backup_cfg 1.3.6.1.4.1.171.12.1.2.18.1.1.6.3 i 4
1.3.6.1.4.1.171.12.1.2.18.1.1.7.3 s STARTUP.CFG 1.3.6.1.4.1.171.12.1.2.18.1.1.8.3 i 2
1.3.6.1.4.1.171.12.1.2.18.1.1.12.3 i 3
```

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.1.2.18.1.1.3.3 a
0.90.101 1.3.6.1.4.1.171.12.1.2.18.1.1.5.3 s Backup_cfg 1.3.6.1.4.1.171.12.1.2.1
8.1.1.6.3 i 4 1.3.6.1.4.1.171.12.1.2.18.1.1.7.3 s STARTUP.CFG 1.3.6.1.4.1.17
.1.2.18.1.1.8.3 i 2 1.3.6.1.4.1.171.12.1.2.18.1.1.12.3 i 3
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.3.3 = IPAddress: 10.90.90.101
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.5.3 = STRING: "Backup_cfg"
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.6.3 = INTEGER: 4
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.7.3 = STRING: "STARTUP.CFG"
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.8.3 = INTEGER: 2
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.12.3 = INTEGER: 3
```

Download Configuration: (OK)

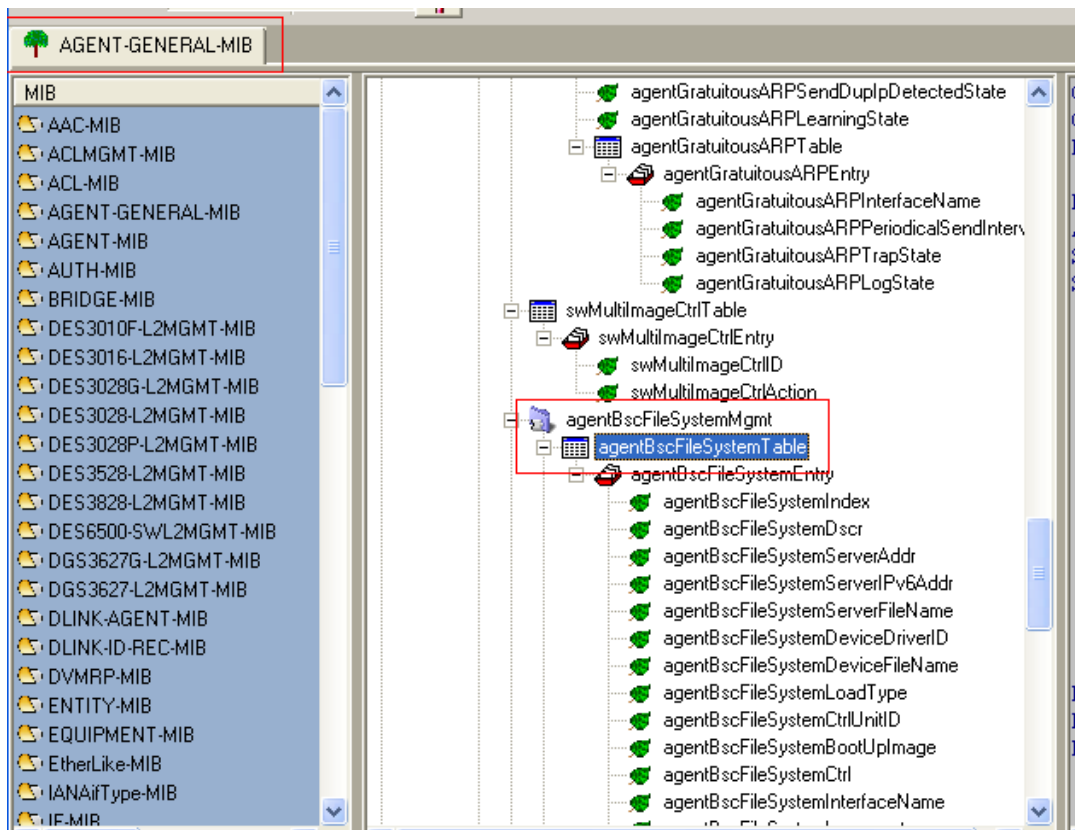
```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.1.2.18.1.1.3.3 a 10.90.90.101
1.3.6.1.4.1.171.12.1.2.18.1.1.5.3 s Backup_cfg 1.3.6.1.4.1.171.12.1.2.18.1.1.6.3 i 4
1.3.6.1.4.1.171.12.1.2.18.1.1.7.3 s STARTUP.CFG 1.3.6.1.4.1.171.12.1.2.18.1.1.8.3 i 3
1.3.6.1.4.1.171.12.1.2.18.1.1.12.3 i 3
```

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.1.2.18.1.1.3.3 a 10.9
0.90.101 1.3.6.1.4.1.171.12.1.2.18.1.1.5.3 s Backup_cfg 1.3.6.1.4.1.171.12.1.2.1
8.1.1.6.3 i 4 1.3.6.1.4.1.171.12.1.2.18.1.1.7.3 s STARTUP.CFG 1.3.6.1.4.1.171.12
.1.2.18.1.1.8.3 i 3 1.3.6.1.4.1.171.12.1.2.18.1.1.12.3 i 3
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.3.3 = IPAddress: 10.90.90.101
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.5.3 = STRING: "Backup_cfg"
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.6.3 = INTEGER: 4
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.7.3 = STRING: "STARTUP.CFG"
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.8.3 = INTEGER: 3
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.12.3 = INTEGER: 3
```

3. Download configuration file, named Backup_cfg from TFTP server, 10.90.90.101 to device with option increment.

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.1.2.18.1.1.3.3 a 10.90.90.101  
1.3.6.1.4.1.171.12.1.2.18.1.1.5.3 s Backup_cfg 1.3.6.1.4.1.171.12.1.2.18.1.1.7.3 s STARTUP.CFG  
1.3.6.1.4.1.171.12.1.2.18.1.1.14.3 i 1 1.3.6.1.4.1.171.12.1.2.18.1.1.8.3 i 3  
1.3.6.1.4.1.171.12.1.2.18.1.1.12.3 i 3
```

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.1.2.18.1.1.3.3 a 10.90.90.101  
0.90.101 1.3.6.1.4.1.171.12.1.2.18.1.1.5.3 s Backup_cfg 1.3.6.1.4.1.171.12.1.2.18.1.1.7.3 s STARTUP.CFG  
1.3.6.1.4.1.171.12.1.2.18.1.1.14.3 i 1 1.3.6.1.4.1.171.12.1.2.18.1.1.8.3 i 3  
1.3.6.1.4.1.171.12.1.2.18.1.1.12.3 i 3  
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.3.3 = IPAddress: 10.90.90.101  
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.5.3 = STRING: "Backup_cfg"  
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.7.3 = STRING: "STARTUP.CFG"  
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.14.3 = INTEGER: 1  
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.8.3 = INTEGER: 3  
SNMPv2-SMI::enterprises.171.12.1.2.18.1.1.12.3 = INTEGER: 3
```



Genmgmt.mib

Object name	agentBscFileSystemIndex
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.1
Module	AGENT-GENERAL-MIB
Base syntax	Integer
Composed syntax	Integer32
Access	Read-Only
Status	Current
Parent node	agentBscFileSystemEntry
First child	None
Description	The table index for the file entry. This object describes the type of the file. runtime-code(1), log-file(2), cfg-file(3), attack-log-file(7)

Object name	agentBscFileSystemDscr
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.2
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Only
Status	Current
Value list	1 : 0..64
Parent node	agentBscFileSystemEntry
First child	None
Description	The description for the purpose of the software file in

Object name	agentBscFileSystemServerAddr
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.3
Module	AGENT-GENERAL-MIB
Base syntax	IP Address
Composed syntax	IpAddress
Access	Read-Write
Status	Current
Parent node	agentBscFileSystemEntry
First child	None
Description	The IP address where the file to be downloaded is located where the file will be uploaded to.

Object name	agentBscFileSystemServerIPv6Addr
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.4
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	IPv6Address
Access	Read-Write
Status	Current
Value list	1 : 16..16
Parent node	agentBscFileSystemEntry
First child	None
Description	The IPv6 address where the file is to be downloaded o

Object name	agentBscFileSystemServerFileName
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.5
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Write
Status	Current
Value list	1 : 0..64
Parent node	agentBscFileSystemEntry
First child	None
Description	The name of the file to be downloaded from the TFTP to. If agentBscFileSystemDeviceFileName is not set, the bootup file as the runtime image for the switch.

Object name	agentBscFileSystemDeviceDriverID
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.6
Module	AGENT-GENERAL-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : none(1) 2 : a(2) 3 : b(3) 4 : c(4) 5 : d(5) 6 : e(6) 7 : f(7) 8 : g(8) 9 : h(9) 10 : i(10) 11 : j(11) 12 : k(12) 13 : l(13) 14 : m(14) 15 : n(15) 16 : o(16) 17 : p(17) 18 : q(18) 19 : r(19) 20 : s(20)

Object name	agentBscFileSystemDeviceFileName
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.7
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Write
Status	Current
Value list	1 : 0..64
Parent node	agentBscFileSystemEntry
First child	None
Description	The name of the file to be downloaded to the device, device. When downloading or uploading, the agentB

Object name	agentBscFileSystemLoadType
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.8
Module	AGENT-GENERAL-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1) 2 : upload(2) 3 : download(3)
Parent node	agentBscFileSystemEntry
First child	None
Description	This object allows the user to select a download or up Note: For systems which do not support change of this obje this object will cause the system to return a bad-value

Object name	agentBscFileSystemCtrlUnitID
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.9
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	UnitList
Access	Read-Write
Status	Current
Value list	1 : 0..3
Parent node	agentBscFileSystemEntry
First child	None
Description	Specifies to which unit of the switch stack the firmwa One or more units can be set to this list. Each bit from switch from unit ID 1 to unit ID 12. The list sets as NULL represents all stack switches.

Object name	agentBscFileSystemBootUpImage
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.10
Module	AGENT-GENERAL-MIB
Base syntax	Integer
Composed syntax	TruthValue
Access	Read-Write
Status	Current
Value list	1 : true(1) 2 : false(2)
Parent node	agentBscFileSystemEntry
First child	None
Description	<p>The result of the download will depend on whether the master unit provides the file system, when the boot_up parameter is set to true, the file will be downloaded to the boot_up image on the slave. If boot_up is set to false, the file will not be downloaded to this slave unit.</p> <p>Case 1: In the case where the master unit provides the file system, when the boot_up parameter is set to true, the file will be downloaded to the boot_up image on the slave. If boot_up is set to false, the file will not be downloaded to this slave unit.</p> <p>Case 2: In the case where the master unit does not provide file system, when the boot_up parameter is set to true, the file will be downloaded to the boot_up image on the slave unit. If boot_up is set to false, the file will not be downloaded to this slave unit.</p> <p>Case 3: In the case where the master unit and the slave unit both provide file system, the file will be downloaded to the specific file system specified, the downloaded file will be assigned as the boot image.</p>

Object name	agentBscFileSystemCtrl
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.12
Module	AGENT-GENERAL-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1) 2 : inactive(2) 3 : start(3)
Parent node	agentBscFileSystemEntry
First child	None
Description	<p>This object allows the user to download runtime software. The downloaded software will take effect when the system restarts. See Note(1)</p> <p>Note: For systems which do not support change of this object, setting these values will cause the system to return a bad value error.</p> <p>start(3) - activate firmware.</p>

Object name	agentBscFileSystemInterfaceName
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.13
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Write
Status	Current
Value list	1 : 0..12
Parent node	agentBscFileSystemEntry
First child	None
Description	This node is used to specify interface name when the is link local address.

Object name	agentBscFileSystemIncrement
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.14
Module	AGENT-GENERAL-MIB
Base syntax	Integer
Composed syntax	TruthValue
Access	Read-Write
Status	Current
Value list	1 : true(1) 2 : false(2)
Parent node	agentBscFileSystemEntry
First child	None
Description	This object indicates whether the previous configuration is valid or not after downloading the config file. True : keep valid False : erase.

Object name	agentBscFileSystemServerDNSAddr
Object ID	1.3.6.1.4.1.171.12.1.2.18.1.1.15
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	InetAddress
Access	Read-Write
Status	Current
Value list	1 : 0.255
Parent node	agentBscFileSystemEntry
First child	None
Description	The DNS address where the file is to be downloaded c