

Logging configuration

- [logging](#)
 - [file size](#)
 - [permanent](#)
 - [remote server](#)
 - [remote loglevel](#)
 - [console loglevel](#)
 - [file loglevel](#)
 - [kernel](#)
 - [module cli](#)
 - [module dna](#)
 - [module fsm-pon](#)
 - [module igmp](#)
 - [module logmgr](#)
 - [module lldp](#)
 - [module usermgr](#)
 - [module dhcp](#)
 - [module snmp](#)
 - [module pppoe](#)

logging

Switch to logging configuration mode.

Syntax

```
logging
```

Parameters

The command does not contain any parameters.

Privilege group

```
config-logging
```

Command mode

CONFIG

Example

```
LTP-16N(configure)# logging
```

file size

Set the system log size.

Syntax

```
file size <VALUE>  
no file size
```

Parameters

<VALUE> — log size in bytes, range of values [1000-300000].

Default value

```
3000000
```

Privilege group

```
config-logging
```

Command mode

LOGGING

Example

```
LTP-16N(logging)# file size 20000
```

permanent

Configuring the saving of syslog files to non-volatile memory.

Syntax

```
[no] permanent
```

Parameters

The command does not contain any parameters.

Default value

Disabled

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# permanent
```

remote server

Configuring syslog server address to which the logs will be sent. It is possible to specify up to three servers with unique IP addresses.

Syntax

```
remote server ip <IP> [PORT]  
no remote server ip <IP>
```

Parameters

- <IP> — IP address specified as AAA. BBB. CCC. DDD, where each part takes the value [0..255];
- [PORT] — port, may take values [1-65535].

Default value

- <IP> — not specified;
- [PORT] — 514.

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# remote server ip 192.168.100.5 port 1000
```

remote loglevel

Setting the log level to be sent to the syslog server.

Syntax

```
remote loglevel <LOGLEVEL>  
no remote loglevel
```

Parameters

<LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# remote loglevel debug
```

console loglevel

Setting the logging level for console connection.

Syntax

```
console loglevel <LOGLEVEL>  
no console loglevel
```

Parameters

<LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# console loglevel debug
```

file loglevel

Setting the log level for syslog file.

Syntax

```
file loglevel <LOGLEVEL>  
no file loglevel
```

Parameters

<LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# file loglevel debug
```

kernel

Setting the log level for kernel.

Syntax

```
kernel loglevel <LOGLEVEL>  
no kernel loglevel
```

Parameters

<LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# kernel loglevel debug
```

module cli

Setting the log level for CLI module.

Syntax

```
module cli [SUBMODULE] loglevel <LOGLEVEL>  
no cli [SUBMODULE] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Values: [ipc | cfgdb | hash | log];
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module cli loglevel debug
LTP-16N(logging)# module cli ipc loglevel debug
```

module dna

Setting the log level for DNA module.

Syntax

```
module dna [SUBMODULE [PORT-ID]] loglevel <LOGLEVEL>
no dna [SUBMODULE [PORT-ID]] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Value: [pon-port | conf-task | olt | ont | bcm-api | tools | loglib | cfgdb];
- [PORT-ID] — interface index for the pon-port and ont submodules:
 - pon-port — value <1-16>. With capability to set ranges and/or enumerations.
 - ont — value <1-16/1-128>. The first number is the port index, the second is the ONT index. With capability to set ranges and/or enumerations.
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module dna loglevel debug
LTP-16N(logging)# module dna ont 1/1-5,10 loglevel debug
```

module fsm-pon

Setting the log level for FSM module.

Syntax

```
module fsm-pon [SUBMODULE] loglevel <LOGLEVEL>
no fsm-pon [SUBMODULE] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Values: [main-queue | callback-queue | info-queue | timers | task-queue | omci | listener | cfgdb];
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module fsm-pon loglevel debug
LTP-16N(logging)# module fsm-pon timers loglevel debug
```

module igmp

Setting the log level for IGMP module.

Syntax

```
module igmp [SUBMODULE] loglevel <LOGLEVEL>
no igmp [SUBMODULE] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Values: [main-task | conf-task | cfgdb | msg-queue | timers];
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module igmp loglevel debug
LTP-16N(logging)# module igmp conf-task loglevel debug
```

module logmgr

Setting the log level for log-mgr module.

Syntax

```
module logmgr [SUBMODULE] loglevel <LOGLEVEL>
no logmgr [SUBMODULE] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Values: [cfgdb];
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module logmgr loglevel debug
LTP-16N(logging)# module logmgr cfgdb loglevel debug
```

module lldp

Setting the log level for lldp module.

Syntax

```
module lldp [SUBMODULE] loglevel <LOGLEVEL>
no lldp [SUBMODULE] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Values: [cfgdb | task | timers | queue];
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module lldp loglevel debug
LTP-16N(logging)# module lldp cfgdb loglevel debug
```

module usermgr

Setting the log level for user-mgr module.

Syntax

```
module usermgr [SUBMODULE] loglevel <LOGLEVEL>
no usermgr [SUBMODULE] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Values: [cfgdb];
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module usermgr loglevel debug
LTP-16N(logging)# module usermgr cfgdb loglevel debug
```

module dhcp

Setting the log level for DHCP module.

Syntax

```
module dhcp [SUBMODULE] loglevel <LOGLEVEL>
no dhcp [SUBMODULE] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Values: [cfgdb | task | timers | queue];
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module dhcp loglevel debug
LTP-16N(logging)# module dhcp cfgdb loglevel debug
```

module snmp

Setting the log level for SNMP module.

Syntax

```
module dhcp [SUBMODULE] loglevel <LOGLEVEL>
no dhcp [SUBMODULE] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Values: [cfgdb | ipc | custom-layer];
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module snmp loglevel debug
LTP-16N(logging)# module snmp ipc loglevel debug
```

module pppoe

Setting the log level for PPPoE module.

Syntax


```
module pppoe [SUBMODULE] loglevel <LOGLEVEL>
no pppoe [SUBMODULE] loglevel
```

Parameters

- [SUBMODULE] — name of the submodule for which the logging will be changed. Values: [cfgdb | queue | task];
- <LOGLEVEL> — logging level. Values: [critical | error | warning | notice | info | debug].

Default value

notice — for module and all submodules

Privilege group

config-logging

Command mode

LOGGING

Example

```
LTP-16N(logging)# module pppoe loglevel debug
LTP-16N(logging)# module pppoe ipc loglevel debug
```