

show time

Use the **show time** command to display the current time of day in the system clock.

show time

Syntax Description This command has no keywords or arguments.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Examples This example shows how to display the current time:

```
Console> show time  
Wed Jan 12 2000, 14:18:52  
Console>
```

The output shows the day of the week, month, day, year, hour, minutes, and seconds.

Related Commands **set time**

show timezone

Use the **show timezone** command to display the current time zone and offset.

show timezone

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Examples This example shows how to display the current time zone and offset:

```
Console> show timezone
Timezone set to 'pst', offset from UTC is -8 hours
Console>
```

Related Commands **clear timezone**
set timezone

show top command to start the TopN process.

- **show top** *[N]* *[metric]* **[interval interval]** *[port_type]* **[background]** Number of ports displayed is **20**.
- Port statistics to report on is **util**.
- Sample duration is **30** seconds.
- Switch port type is **all**.

Usage Guidelines You can terminate TopN processes with the **background** option specified only by using the **clear top** *[report_num]* command.

TopN reports with the **background** option specified are not displayed on the screen unless you enter a **show top report** *[report_num]* command.

If you do not specify the **background** option, the output TopN results are dumped to the screen when the task is done, and the results are printed one time only and are not saved.

You can terminate TopN processes (without the **background** option) by pressing **Ctrl-C** in the same Telnet/console session, or by entering a **clear top** *[report_num]* command from a separate Telnet/console session. The prompt is not printed before the TopN report completely displays. Other commands are blocked until the report has displayed.

This example shows how to start the TopN process with the **background** option:

```
Console> show top 10 util interval 600 background
03/09/2000,14:05:38:MGMT-5: TopN report 2 started by telnet/172.20.22.7/.
Console>
03/09/2000,14:15:38:MGMT-5: TopN report 2 available.
```

This example shows how to start the TopN process without the **background** option:

```
Console> show top 10 util interval 600
Start Time:      03/19/2000,12:04:16
End Time:       03/19/2000,12:14:18
PortType:      all
Metric:        util
Port  Band-  Uti  Tx/Rx-bytes      Tx/Rx-pkts Tx/Rx-bcst Tx/Rx-mcst In-  Buf-
      width %                               -----
-----
1/1   100    0  65433            824        0        719      0   0
5/48  10     0  3543             45         0        34       0   0
5/47  10     0  45367           124        0       219      0   0
5/46  10     0  23456            49         0       108      0   0
Console>
```

This example shows how to start the TopN process for a specific port type:

```
Console> show top 5 10e interval 0
Start Time:      03/09/2000,11:03:21
End Time:       03/09/2000,11:03:21
PortType:      10Mbps Ethernet
Metric:        util
Port  Band-  Uti  Bytes      Pkts      Bcst      Mcst      Error  Over
      width %  (Tx + Rx) (Tx + Rx) (Tx + Rx) (Tx + Rx) (Rx)  flow
-----
2/1   10    0           0           0           0           0       0   0
3/12  auto  0           0           0           0           0       0   0
3/11  auto  0           0           0           0           0       0   0
3/10  auto  0           0           0           0           0       0   0
3/9   auto  0           0           0           0           0       0   0
Console>
```

show top report

show top report command to list all TopN processes and specific TopN reports.

Usage Guidelines

show top report
[*report_num*]

If you do not specify *report_num*, this command lists all the active TopN processes and all the available TopN reports for the switch. Each process is associated with a unique report number. All TopN processes (both with and without a background option) are shown in the list.

An asterisk displayed after the pending status field indicates that it is not a background TopN and the results are not saved.

This example shows how to display all the active TopN processes and all the available TopN reports for the switch:

```
Console> show top report
Rpt  Start time      Int N  Metric      Status  Owner (type/machine/user)
-----
  1  03/09/2000,11:34:00  60 20 Tx/Rx-Bytes done telnet/172.20.22.7/
  2  03/09/2000,11:34:08  600 10 Util      done telnet/172.34.39.6/
  4  03/09/2000,11:35:17  300 20 In-Errors  pending Console//
  5  03/09/2000,11:34:26  60 20 In-Errors  pending* Console//
Console>
```

■ show timezone

This example shows an attempt to display a TopN report 5 (shown in the first example) that is still in pending status:

```
Console> show top report 5
Rpt  Start time      Int N  Metric      Status  Owner (type/machine/user)
-----
  5  03/09/2000,11:34:26  60  20  In-Errors  pending*  Console//
Console>
```

This example shows how to display the available TopN report 2 (shown in the first example) for the switch:

```
Console> show top report 2
Start Time:      03/09/2000,11:34:00
End Time:        03/09/2000,11:34:33
PortType:        all
Metric:          util
Port  Band-  Uti  Tx/Rx-bytes      Tx/Rx-pkts  Tx/Rx-bcst  Tx/Rx-mcst  In-  Buf-
      width %                                     -----
-----
 /15  100    88  98765432109876543210  9876543210  98765      12345      123  321
5/48  10     75  44532              5389        87          2           0    0
5/47  10     67  5432               398         87          2           0    0
5/46  10     56  1432               398         87          2           0    0
5/45  10     54  432                398         87          2           0    0
5/44  10     48  3210               65          10          10          15   5
5/43  10     45  432                5398        87          2           2    0
5/42  10     37  5432               398         87          2           0    0
5/41  10     36  1432               398         87          2           0    0
5/40  10     14  2732               398         87          2           0    0
Console>
clear top
show top
```

show trace

Use the **show trace** command to display trace category and level.

show trace [all]

Syntax Description	all (Optional) Keyword to display all trace category and level information.
Defaults	This command has no default setting.
Command Types	Switch command.
Command Modes	Normal.

Examples This example shows how to display the active trace category and level information only:

```
Console> show trace
Trace monitor is enabled for this session.
Trace Category  Level
-----
HTTP            3
SYNFIG          5
Console>
```

This example shows how to display all trace category and level information:

```
Console> show trace all
Trace monitor is enabled for this session.
Trace Category  Level
-----
ACCT            off
ACL             off
BDD             off
CDP             off
CONFIG          off
COPS            off
DHCP            off
DIAG            off
DNS             off
DRIP            off
DTP             off
DUPFLASH        off
DUPNVRAM        off
DYNVLAN         off
EARL            off
ENVMON          off
EOBC            off
EPLD            off
ESSR            off
EVMGR           off
FCP             off
FDDI            off
```

show trace

```
FDDI                off
FILESYS             off
HAMGR               off
HTTP                off
GARP                off
GVRP                off
INBAND              off
IPC                 off
KERBEROS            off
L3AGE               off
L3SUP               off
LANE                off
LD                  off
LLC                 off
LTL                 off
MBUF                off
MCAST              off
MDG                 off
MEMDBG              off
MLS                 off
MLSM                off
MODPORT             off
NTP                 off
NVSYNC              off
OOB                 off
PAGP                off
PROTFILT            off
PPWR                off
PRUNING             off
PRIVATEVLAN         off
QOS                 off
RADIUS              off
REDUN               off
RSFC                off
RSVP                off
RUNTIMECFG          off
SCP                 off
SECURITY            off
SLP                 off
SNMP                off
SPAN                off
STP                 off
SYNCMGR             off
SYNFIG              off
SYSLOG              1
TACACS              off
TEST                off
TFTP                off
TFTPD               off
UDLD                off
VERB                off
VMPS                1
VTP                 off
Console>
```

show trunk

Use the **show trunk** command to display trunking information for the switch.

```
show trunk [mod[/port]] [detail]
```

Syntax Description	
<i>mod</i>	(Optional) Number of the module.
<i>port</i>	(Optional) Number of the port.
detail	(Optional) Keyword to show detailed information about the specified trunk port.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Usage Guidelines Entering the **show trunk** command without specifying a module or port number displays only the actively trunking ports. To display the trunking configuration for a port that is not actively trunking, specify the module and port number of the port you want to display. Entering the **show trunk** command displays untagged traffic received over the dot1q trunk. For ISL trunks, packets are tagged on all VLANs (including native VLANs).

In the **show trunk detail** command output, the Peer-Port field displays either the module and port number of the peer connection, or multiple or unknown. Multiple is displayed if connected to shared media, and unknown is displayed if DTP is not running on the other side.

If you enter the **show trunk** command on a trunk where a VTP domain mismatch exists, an asterisk is displayed after the trunk status and the following:

```
* - indicates vtp domain mismatch.
```

Examples This example shows how to display trunking information for the switch:

```
Console> (enable) show trunk
Port      Mode           Encapsulation  Status      Native vlan
-----  -
4/9       auto           isl             trunking    1
4/10      desirable     isl             trunking    1

Port      Vlans allowed on trunk
-----  -
4/9       1-1005
4/10      1-1005
Port      Vlans allowed and active in management domain
-----  -
4/9       1,4-5,1003,1005
4/10      1,4-5,1003,1005
```

```

Port      Vlans in spanning tree forwarding state and not pruned
-----
4/9      1005
4/10     1005
Console> (enable)

```

This example shows how to display detailed information about the specified trunk port:

```

Console> (enable) show trunk 1/1 detail
Port      Mode      Encapsulation  Status      Native vlan
-----
1/1      auto      negotiate      not-trunking  1

Port      Peer-Port  Mode      Encapsulation  Status
-----
1/1      2/3      auto      n-isl          not-trunking

Port      TrunkFramesTx      TrunkFramesRx      WrongEncap
-----
1/1      0                  0                  0

Port      Vlans allowed on trunk
-----
1/1      1-1005

Port      Vlans allowed and active in management domain
-----
1/1      1

Port      Vlans in spanning tree forwarding state and not pruned
-----
1/1
Console> (enable)

```

This example shows how to display detailed information about the specified trunk port that has a VTP domain mismatch:

```

Console> (enable) show trunk 3/1 detail
Port      Mode      Encapsulation  Status      Native vlan
-----
3/1      auto      negotiate      not-trunking*  1

Port      Peer-Port  Mode      Encapsulation  Status
-----
3/1      2/3      auto      n-isl          not-trunking

Port      TrunkFramesTx      TrunkFramesRx      WrongEncap
-----
3/1      0                  0                  0

Port      Vlans allowed on trunk
-----
3/1      1-1005

Port      Vlans allowed and active in management domain
-----
3/1      2

Port      Vlans in spanning tree forwarding state and not pruned
-----
3/1
Console> (enable)

```

Table 2-66 describes the fields in the **show trunk** command outputs.

Table 2-66 *show trunk Command Output Fields*

Field	Description
Port	Module and port numbers.
Mode	Trunk administrative status of the port (on, off, auto, desirable, or nonegotiate).
Encapsulation	Trunking type configured by administration.
Status	Status of whether the port is trunking or nontrunking.
Native vlan	Number of the native VLAN for the trunk link (the VLAN for which untagged traffic can be transmitted and received over the dot1q trunk).
Vlans allowed on trunk	Range of VLANs allowed to go on the trunk (default is 1 to 1000).
Vlans allowed and active in management domain	Range of active VLANs within the allowed range.
Vlans in spanning tree forwarding state and not pruned	Range of VLANs that actually go on the trunk with Spanning Tree Protocol forwarding state.
Peer-Port	Peer connection information (module and port number of peer connection, multiple, or unknown).
TrunkFramesTx	Number of ISL/802.1q frames transmitted on a port.
TrunkFramesRx	Number of ISL/802.1q frames received on a port.
WrongEncap	Number of frames with the wrong encapsulation received on a port.

Related Commands

set trunk

show uddl

Use the **show uddl** command to display UDLD information.

show uddl

show uddl port [*mod*[/*port*]]

Syntax Description	port	Keyword to specify module and ports or just modules.
	<i>mod</i>	(Optional) Number of the module for which UDLD information is displayed.
	<i>port</i>	(Optional) Number of the port for which UDLD information is displayed.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Examples This example shows how to find out whether or not UDLD is enabled:

```
Console> show uddl
UDLD      : enabled
Console>
```

This example shows how to display UDLD information for a specific module and port:

```
Console> show uddl port 2/1
UDLD      :enabled
Message Interval :60 seconds
Port      Admin Status  Aggressive Mode  Link State
-----
 2/1      enabled        disabled         undertermined
Console>
```

This example shows how to display UDLD information for all ports on a specific module:

```
Console> (enable) show uddl port 1
UDLD      :enabled
Message Interval :60 seconds
Port      Admin Status  Aggressive Mode  Link State
-----
1/1      disabled        disabled         not applicable
1/2      disabled        enabled          not applicable
Console>
```

Table 2-67 describes the fields in the **show uddl** command output.

Table 2-67 show uddl Command Output Fields

Field	Description
UDLD	Status of whether UDLD is enabled or disabled.
Port	Module and port numbers.
Admin Status	Status of whether administration status is enabled or disabled.
Aggressive Mode	Status of whether aggressive mode is enabled or disabled.
Link State	Status of the link: undetermined (detection in progress, UDLD has been disabled on the neighbors), not applicable (UDLD is not supported on the port, UDLD has been disabled on the port, or the port is disabled), shutdown (unidirectional link has been detected and the port disabled), bidirectional (bidirectional link has been detected).

Related Commands

set uddl
set uddl aggressive-mode
set uddl interval

show users

Use the **show users** command to show if the console port is active and to list all active Telnet sessions with the IP address or IP alias of the originating host.

show users [noalias]

Syntax Description	noalias (Optional) Keyword to indicate, not to display, the IP alias; the IP address is displayed.
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Defaults	This command has no default setting.
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Command Types	Switch command.
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Command Modes	Normal.
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Examples	This example shows how to display the users of the active Telnet sessions:
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```

Console> show users
Console Port
-----
Active

Telnet Sessions                               User
-----
172.16.10.75
172.16.10.75
171.31.1.203
Console>

```

The output shows the state of the console port (active or inactive) and the IP address or IP alias of each active Telnet session.

Related Commands	disconnect
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■ show users