

Cisco CCNA (200-301)

Identifying the features of Syslog

Learning Objective: Identify syslog message parts and meaning

Description: Everything that occurs on a cisco device generates a message. You will see and learn how to interpret those messages.

- How to see syslog messages
 - By default log messages output to the console (Logging console is enabled by default)
 - If you want to see log messages from a remote connection (e.g. Telnet or SSH) you must enable it

- ```
NYEDGE1#terminal monitor
```

- Logging can be seen

```
NYEDGE1#show logging
```

- Logs are not stored permanently on router, it will store up to 8K (8192bytes) in RAM. Reboot and they are gone.

- Syslog Severity Levels

```
NYEDGE1#configure terminal
NYEDGE1(config)#logging console ?
```

- 

| Level        | Severity # | Severity Description                    | Syslog Defined |
|--------------|------------|-----------------------------------------|----------------|
| Emergencies  | 0          | System "Panic"                          | LOG_EMERG      |
| Alerts       | 1          | Immediate Action Required               | LOG_ALERT      |
| Critical     | 2          | Critical conditions (Failure indicated) | LOG_CRIT       |
| Error        | 3          | Error conditions (fixable)              | LOG_ERR        |
| Warnings     | 4          | Indicator of problem                    | LOG_WARNING    |
| Notification | 5          | Abnormal condition not an error         | LOG_NOTICE     |
| Information  | 6          | Operational Messages Only               | LOG_INFO       |
| Debugging    | 7          | Debugging Messages                      | LOG_DEBUG      |

NYEDGE1

```
NYEDGE1#config terminal
NYEDGE1(config)#logging 192.168.16.10
NYEDGE1(config)#service timestamps log localtime show-timezone msec
```

- PLABCSCO01

- ```
TFPTd32
```

Endnotes, External and Etc

4.5 Describe the use of syslog features including facilities and levels