

# Day 2 FCNM LAB

Switch>

Basic mode (lowest level permission)

Switch>?

Exec commands:

- connect Open a terminal connection
- disable Turn off privileged commands
- disconnect Disconnect an existing network connection
- enable Turn on privileged commands
- exit Exit from the EXEC
- logout Exit from the EXEC
- ping Send echo messages
- resume Resume an active network connection
- show Show running system information
- ssh Open a secure shell client connection
- telnet Open a telnet connection
- terminal Set terminal line parameters
- traceroute Trace route to destination

Switch>enable

# Switch#

Enable mode (privileged mode)  
level-15 (highest privilege on switch)

## Switch#?

## Exec commands:

clear Reset functions  
clock Manage the system clock  
configure Enter configuration mode  
connect Open a terminal connection  
copy Copy from one file to another  
debug Debugging functions (see also 'undebg')  
delete Delete a file  
dir List files on a filesystem  
disable Turn off privileged commands  
disconnect Disconnect an existing network connection  
enable Turn on privileged commands  
erase Erase a filesystem  
exit Exit from the EXEC  
logout Exit from the EXEC  
more Display the contents of a file  
no Disable debugging informations  
ping Send echo messages  
reload Halt and perform a cold restart  
resume Resume an active network connection  
setup Run the SETUP command facility  
show Show running system information  
ssh Open a secure shell client connection

telnet Open a telnet connection

terminal Set terminal line parameters

traceroute Trace route to destination

undebug Disable debugging functions (see also 'debug')

write Write running configuration to memory, network, or terminal

Switch#configure terminal

Switch(config)#

Global configuration mode

Switch(config)#hostname

arun\_420\_sw1

arun\_420\_sw1(config)#

**arun\_420\_sw1(config)#exit**

**arun\_420\_sw1#**

**arun\_420\_sw1#exit**

**arun\_420\_sw1>**

**arun\_420\_sw1#show flash:**

**Directory of flash:/**

1 -rw- 4670455 <no date> 2960-lanbasek9-mz.150-2.SE4.bin

```
arun_420_sw1#show running-config
```

give the running config. Current  
unsaved commands

```
arun_420_sw1#write
```

Building configuration...

[OK]

```
arun_420_sw1#show startup-config
```

give the statup configuration. Saved  
commands

```
arun_420_sw1(config)#enable  
password hpcsa123
```

to set enable mode password

```
arun_420_sw1>enable
```

Password:

set password for basic mode also

```
arun_420_sw1(config)#
```

```
arun_420_sw1(config)#username  
test password test123
```

```
username <your_username>  
password <your_password>
```

```
arun_420_sw1#write  
saving command in startup  
configuration
```

To setup up console connection  
password

```
arun_420_sw1(config)#line console  
0
```

```
arun_420_sw1(config-line)#login  
local
```

```
arun_420_sw1#show running-config
```



To encrypt password and save it in  
startup configuration

```
arun_420_sw1(config)#enable secret  
hpcsa123
```

To disable commands entered

```
arun_420_sw1(config)#no enable  
password
```

```
arun_420_sw1(config)#no username  
test password test123
```

```
arun_420_sw1(config)#username  
test secret test123
```

it will save password in encrypted  
format

```
HPCSA_R1_42(config)#enable sec
```

```
HPCSA_R1_42(config)#enable secret test123
```

```
HPCSA_R1_42(config)#username hpcsa secret  
hpcsa123
```

```
HPCSA_R1_42(config)#exit
```

```
HPCSA_R1_42#
```

```
HPCSA_R1_42#write
```

```
Building configuration...
```

```
[OK]
```

```
HPCSA_R1_42#conf t
```

```
HPCSA_R1_42(config)#
```

```
HPCSA_R1_42(config)#line console 0
```

```
HPCSA_R1_42(config-line)#login local
```

