



**TECNOLÓGICO
NACIONAL DE MÉXICO**



Ingeniería en Sistemas Computacionales

Conmutación y enrutamiento de redes 14:00 – 15:00

Unidad 1

Evidencia 2: Enrutamiento utilizando IPV6

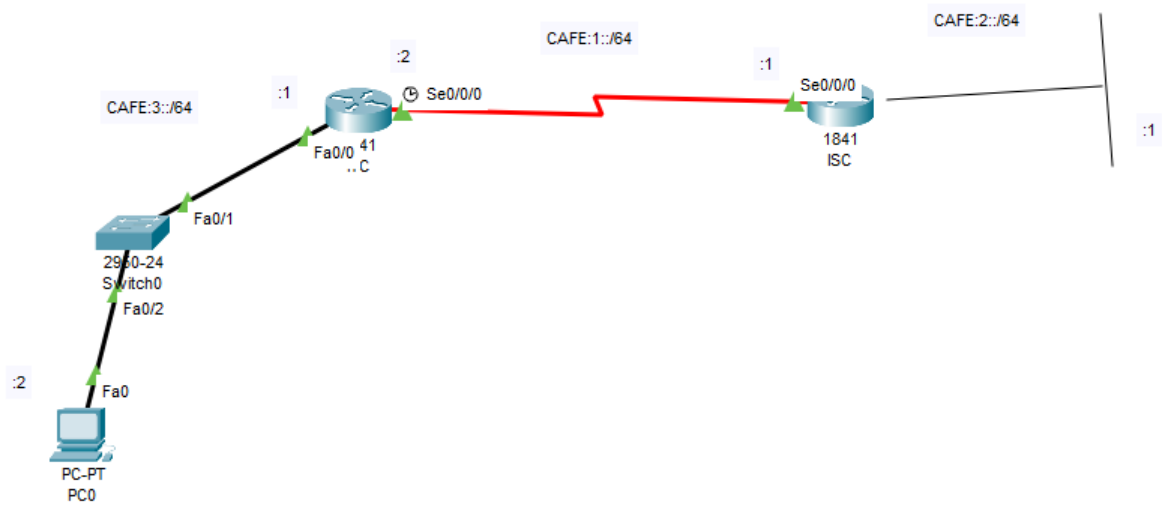
Docente: M.C. Angélica Salazar Ramírez

Alumno: Escobar Sánchez José Alejandro

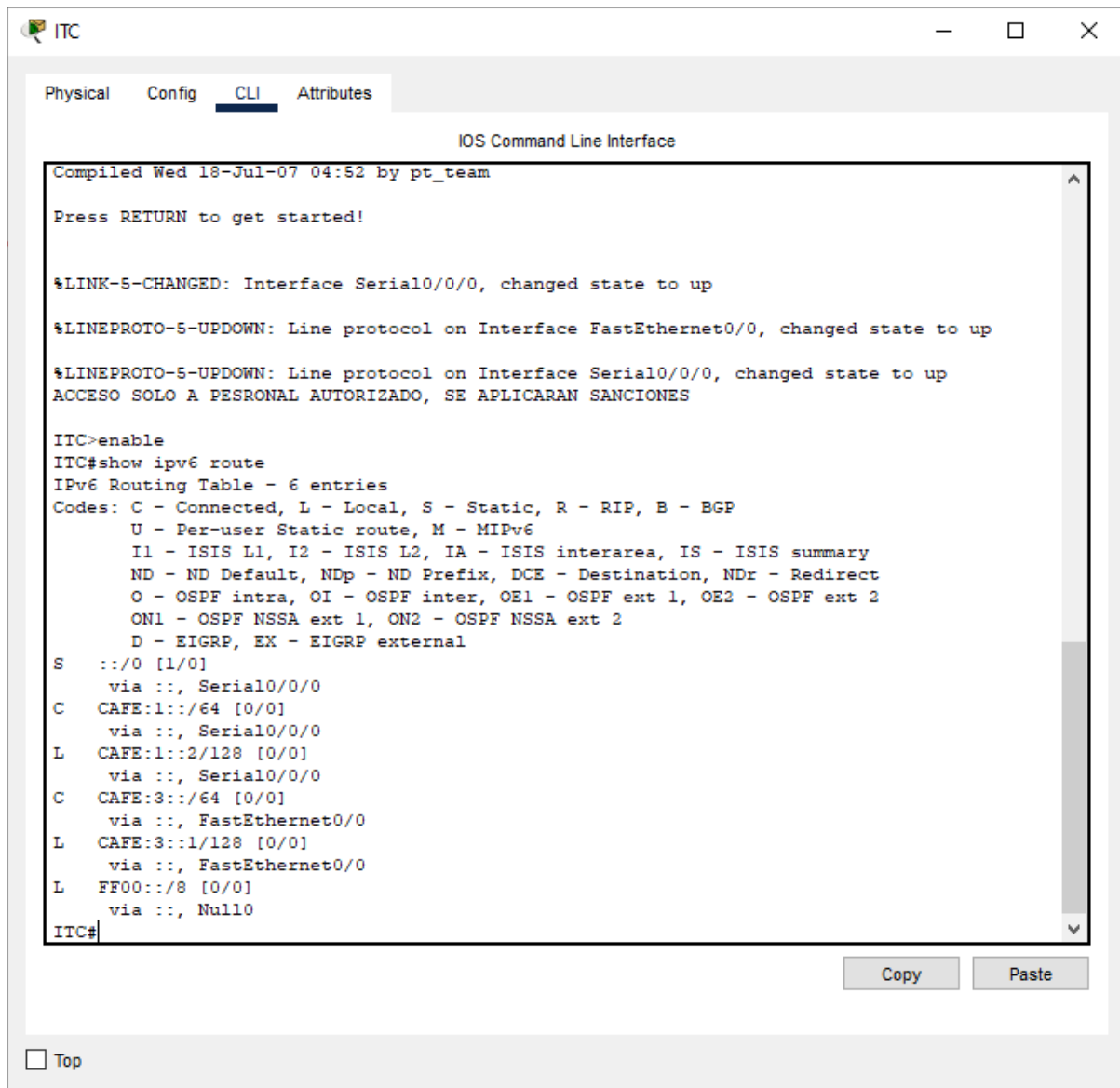
Control: 19170573

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Captura de la topología de red



Captura de 'show ipv6 route' de router ITC



The screenshot shows a terminal window titled 'ITC' with tabs for 'Physical', 'Config', 'CLI', and 'Attributes'. The 'CLI' tab is active, displaying the 'IOS Command Line Interface'. The terminal output shows the router's status and the results of the 'show ipv6 route' command. The output includes system messages about interface state changes, a warning in Spanish, and a list of IPv6 routes with their sources and metrics. The routes are categorized by type (S for static, C for connected, L for local) and include details like the interface and the metric in brackets.

```
Compiled Wed 18-Jul-07 04:52 by pt_team

Press RETURN to get started!

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

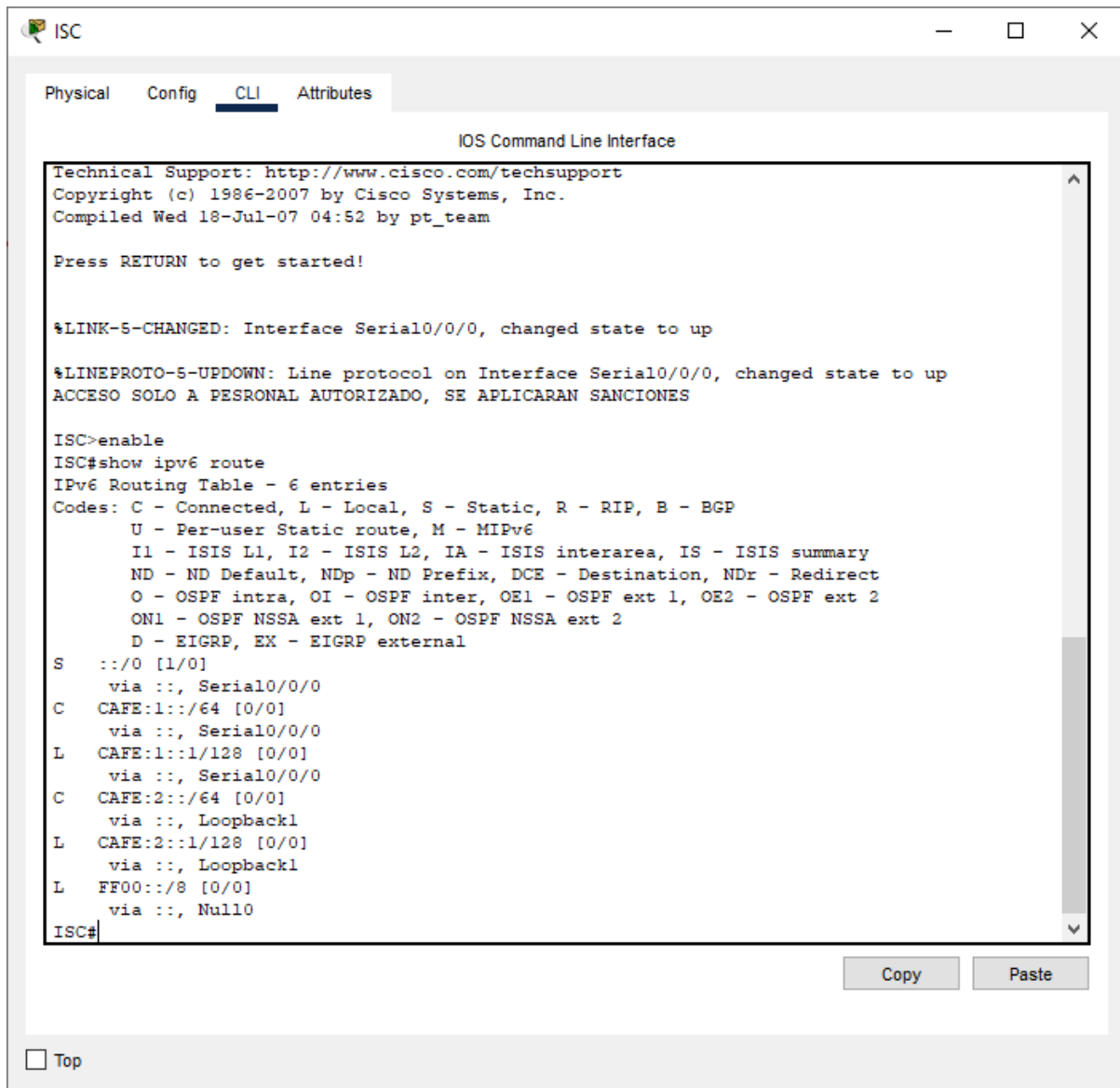
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up
ACCESO SOLO A PESRONAL AUTORIZADO, SE APLICARAN SANCIONES

ITC>enable
ITC#show ipv6 route
IPv6 Routing Table - 6 entries
Codes: C - Connected, L - Local, S - Static, R - RIP, B - BGP
        U - Per-user Static route, M - MIPv6
        I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary
        ND - ND Default, NDp - ND Prefix, DCE - Destination, NDr - Redirect
        O - OSPF intra, OI - OSPF inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
        ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2
        D - EIGRP, EX - EIGRP external
S   ::/0 [1/0]
    via ::, Serial0/0/0
C   CAFE:1::/64 [0/0]
    via ::, Serial0/0/0
L   CAFE:1::2/128 [0/0]
    via ::, Serial0/0/0
C   CAFE:3::/64 [0/0]
    via ::, FastEthernet0/0
L   CAFE:3::1/128 [0/0]
    via ::, FastEthernet0/0
L   FF00::/8 [0/0]
    via ::, Null0
ITC#
```

Buttons for 'Copy' and 'Paste' are visible at the bottom right of the terminal window. A 'Top' button is located at the bottom left of the application window.

Captura de 'show ipv6 route' de router ISC



The screenshot shows a terminal window titled "ISC" with tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is active, displaying the "IOS Command Line Interface". The output of the "show ipv6 route" command is shown, including the IPv6 Routing Table with 6 entries and a list of codes for various routing protocols. The output is as follows:

```
Technical Support: http://www.cisco.com/techsupport
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Compiled Wed 18-Jul-07 04:52 by pt_team

Press RETURN to get started!

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up
ACCESO SOLO A PESRONAL AUTORIZADO, SE APLICARAN SANCIONES

ISC>enable
ISC#show ipv6 route
IPv6 Routing Table - 6 entries
Codes: C - Connected, L - Local, S - Static, R - RIP, B - BGP
        U - Per-user Static route, M - MIPv6
        I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary
        ND - ND Default, NDp - ND Prefix, DCE - Destination, NDr - Redirect
        O - OSPF intra, OI - OSPF inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
        ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2
        D - EIGRP, EX - EIGRP external
S   ::0 [1/0]
    via ::, Serial0/0/0
C   CAFE:1::/64 [0/0]
    via ::, Serial0/0/0
L   CAFE:1::1/128 [0/0]
    via ::, Serial0/0/0
C   CAFE:2::/64 [0/0]
    via ::, Loopback1
L   CAFE:2::1/128 [0/0]
    via ::, Loopback1
L   FF00::/8 [0/0]
    via ::, Null0
ISC#
```

At the bottom of the terminal window, there are "Copy" and "Paste" buttons. Below the terminal window, there is a "Top" button with a checkbox next to it.