



```
QurratulAin#
%SYS-5-CONFIG_I: Configured from console by console
```

```
QurratulAin#debug ppp authentication
PPP authentication debugging is on
QurratulAin#debug ppp negotiation
PPP protocol negotiation debugging is on
QurratulAin#
```

```
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname QurratulAinCisco
QurratulAinCisco(config)#username QurratulAin password 123
QurratulAinCisco(config)#exit
QurratulAinCisco#
%SYS-5-CONFIG_I: Configured from console by console

QurratulAinCisco#config t
Enter configuration commands, one per line. End with CNTL/Z.
QurratulAinCisco(config)#interface serial 2/0
QurratulAinCisco(config-if)#ip address 10.0.0.2 255.0.0.0
QurratulAinCisco(config-if)#no shutdown

QurratulAinCisco(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

QurratulAinCisco(config-if)#encapsulation ppp
QurratulAinCisco(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
```

```
QurratulAinCisco>
QurratulAinCisco>en
QurratulAinCisco#
QurratulAinCisco#interface serial 2/0
^
% Invalid input detected at '^' marker.
```

```
QurratulAinCisco#config t
Enter configuration commands, one per line. End with CNTL/Z.
QurratulAinCisco(config)#interface serial 2/0
QurratulAinCisco(config-if)#encapsulation ppp
QurratulAinCisco(config-if)#
QurratulAinCisco(config-if)#
```

```
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname QurratulAin
QurratulAin(config)#username QurratulAinCisco password 123
QurratulAin(config)#debug ppp authentication
^
```

% Invalid input detected at '^' marker.

```
QurratulAin(config)#debug
^
% Invalid input detected at '^' marker.
```

```
QurratulAin#config t
Enter configuration commands, one per line. End with CNTL/Z.
QurratulAin(config)#interface serial 0/0/0
^
```

% Invalid input detected at '^' marker.

```
QurratulAin(config)#interface serial 0 / 0 / 0
^
% Invalid input detected at '^' marker.
```

```
QurratulAin(config)#interface serial 2/0
QurratulAin(config-if)#ip address 10.0.0.1 255.0.0.0
QurratulAin(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
QurratulAin(config-if)#clock rate 64000
QurratulAin(config-if)#encapsulation ppp
QurratulAin(config-if)#
QurratulAin(config-if)#encapsulation ppp
QurratulAin(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
```

```
Serial2/0 PPP: Using default call direction
Serial2/0 PPP: Treating connection as a dedicated line
Serial2/0 PPP: Phase is ESTABLISHING, Active Open
```

```
Serial2/0 LCP: State is Open
```

```
Serial2/0 LCP: State is Open
```

```
Serial2/0 PPP: Phase is FORWARDING, Attempting Forward
Serial2/0 Phase is ESTABLISHING, Finish LCP
Serial2/0 Phase is UP
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
```

```
QurratulAin(config-if)#
```

