To configure the Cisco AXP Service Module, perform the following steps:

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Configuring the Cisco AXP Service Module Interface

Enter Configuration Mode on the Router

Configure IP connectivity to the Cisco AXP service module from the Cisco ISR

```
2800_w_axp# configure terminal 2800_w_axp(config)#
```

You can now make changes to the current running configuration file. Also refer to Example Configuration for Cisco 280x ISR and Cisco AXP Service Module.

Configure the ISE1/0 Interface

Enter interface configuration mode.

```
2800_w_axp(config)# interface Integrated-Service-Engine 1/0
```

The ISE1/0 port connects the service module to the router. `2800_w_axp(config-if)#`

Check for IP Connectivity

Note: In this example the segment, which is represented by the gigabit Ethernet connection between the Cisco ISR and Cisco AXP service module, must be given its own routable IP subnet. This IP subnet is different from the one used for the Cisco ISR FE0/0 interface.

Assign an IP address to the Cisco ISR Side of the ISE1/0 Connection

Use the `ip address` to assign the router IP address and subnet mask.

Example:

```
2800_w_axp(config-if)# ip address 192.168.2.1 255.255.255.0
```

Assign an IP address to the Cisco AXP service module side of the ISE1/0 connection

Use the `service-module ip address` command to assign the service module IP address and subnet mask.

Example:

```
2800_w_axp(config-if)# service-module ip address 192.168.2.2 255.255.255.0
```

Assign an IP Default Gateway

Use the `service-module ip default-gateway` command.

Example:

```
2800_w_axp(config-if)# service-module ip default-gateway 192.168.2.1
```

The Cisco AXP service module IP default gateway address is the Cisco ISR interface. The Cisco AXP service module sends outgoing traffic through this interface to the Cisco ISR using an internal gigabit ethernet connection.

Enable the ISE1/0 Interface

Enable the interface by taking it out of the default shutdown state. Use the `no shutdown` command to activate the interface.

Example:

```
2800_w_axp(config-if)# no shutdown
```

From the point of view of the Cisco 280x ISR, the Cisco AXP service module (ISE1/0) is now connected.

Save the Configuration

```
copy running-configuration startup-configuration
```

Exit configuration mode

Use the `end` command.

Example:

```
2800_w_axp(config-if)# end

2800_w_axp#
```

Session into the Service Module

Example:

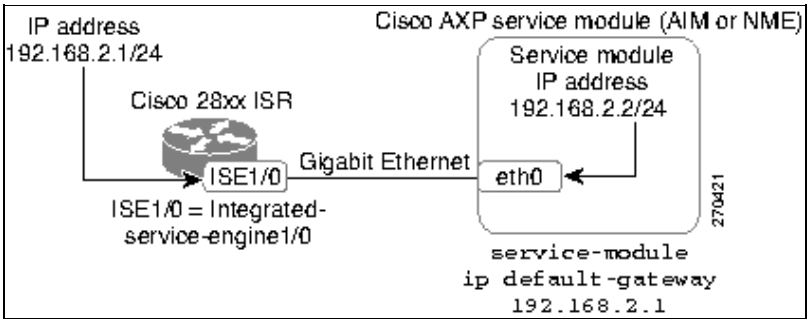
```
2800_w_axp# service-module Integrated-Service-Engine 1/0 session
```

```
Trying 192.168.2.1, 2066 ... Open

se-Module>
```

You are now on the Cisco AXP service module. The symbol (>), indicates that you are in Cisco AXP EXEC mode. The setup and configuration of the Cisco 280x ISR service module is summarized in Figure: Cisco ISR and Cisco AXP Service Module Configuration below.

Figure: Cisco ISR and Cisco AXP Service Module Configuration



Additional References

See the Packaging Applications on Cisco AXP.

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