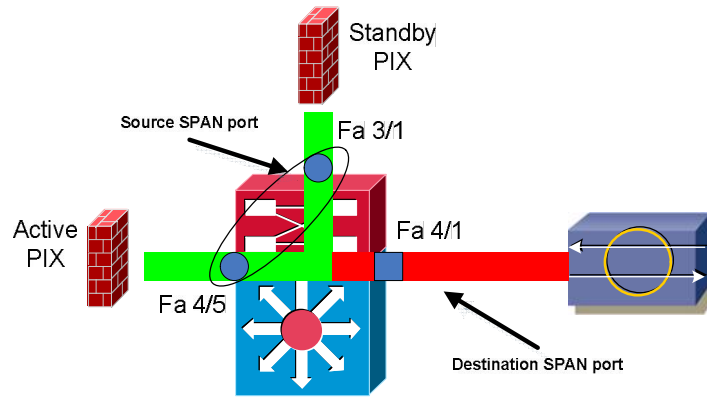


Traffic Capture from switch devices to IDS sensor

I) - Traffic capture using SPAN (Switch Port ANalyzer)



I-a) Cat OS SPAN configuration

Source ports/VLANs	Direction	Destination port	learning	multicast	Filter VACL (for trunk ports)
Fa 4/5	rx	Fa4/1	<input type="checkbox"/>	<input type="checkbox"/>	-
Fa3/1					-
Vlan 4					-

// Create a new session, if destination session exists then the session is overwritten.
 // PSPAN is port-based SPAN with ports 4/5 and 3/1 as sources and is 4/1 as
 // destination port.

```
Switch> (enable) set span 4/5,3/1 4/1 rx create
```

// VSPAN is VLAN-based SPAN with VLAN 4 as source and is 4/1 as
 // destination port.

```
Switch> (enable) set span 4 4/1 rx create
```

I-b) Cisco IOS SPAN configuration

Session [1 - 66]	Source ports/VLANs	Direction for source ports	Destination port/VLAN
2	Fa4/5	rx	Fa3/1
	4		

// Enable SPAN by setting the source interfaces 4/5 and 3/1 for the monitor session.

```
Router(config)#monitor session 2 source interface FastEthernet 4/5 3/1 rx
```

// Enable SPAN by setting the source VLAN 4 for the monitor session.

```
Router(config)#monitor session 2 source vlan 4 rx
```

// Interface Fa 4/1 is configured as SPAN destination port.

```
Router(config)#monitor session 2 destination interface FastEthernet 4/1
```