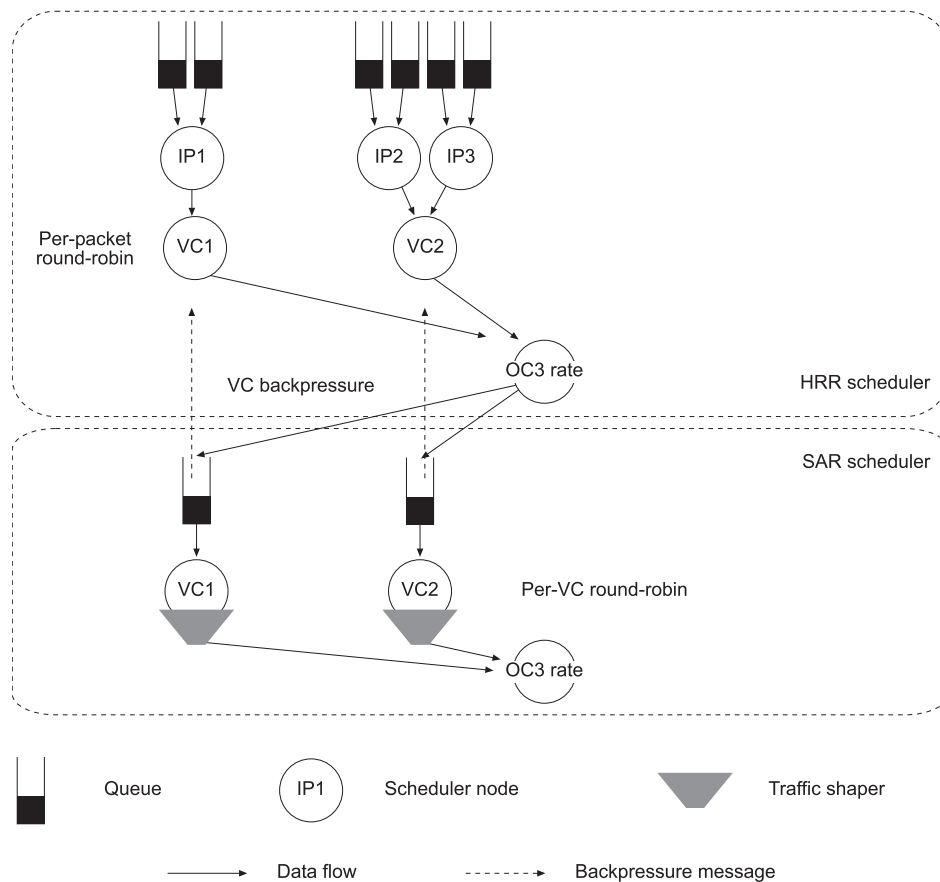


## Configuring Default Integrated Mode for ATM Interface

In the default integrated mode, the SAR scheduler is the dominant scheduler, and it backpressures the first-stage (HRR) scheduler per VC. Each VC buffers only a few hundred bytes.

Figure 1 shows the default integrated mode.

**Figure 1: Default Integrated Mode**



To configure default integrated mode:

1. From the desired port, set the QoS port mode to default integrated mode.

```
host1(config)#interface atm 2/0
host1(config-if)#no qos-mode-port
```



**TIP:** For ATM interfaces on ERX7xx models, ERX14xx models, and the ERX310 router, you must specify port 0.

2. Specify the VP shaping rate.

```
host1(config-if)#atm vp-tunnel 0 2000
```



**TIP:** Configuring an ATM VP tunnel sets a shaping rate in the SAR scheduler. Before configuring an ATM VP tunnel, there must be no PVCs with the same VPI that you are about to configure. Before using the **atm vp-tunnel** command, remove any PVCs from the configuration. You can reconfigure the PVCs after configuring the shapeless VP tunnel.

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3. Specify the shaping rate for the ATM subinterface.

```
host1(config-if)#interface atm 2/0.5  
host1(config-subif)#atm-pvc 5 0 5 aal5snap 768
```

- Related Topics**
- Per-Packet Queuing on the SAR Scheduler Overview
  - Guidelines for Configuring QoS over ATM
  - atm vp-tunnel
  - interface atm
  - qos-mode-port

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Published: 2009-12-16